SBS
sbs.co.uk

Smith Brothers
Stores Limited

PRODUCT CATALOGUE

ACR, Heat Pumps & Cellar Cooling

Version 1

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HEATHROW – TW14 0TW
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LEEDS – LS10 1AX
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NOTTINGHAM - NG6 8UZ
T: 0115 822 3696 **E:** nottingham@sbs.co.uk

OLDHAM – OL1 4AS
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PETERBOROUGH – PE1 5UP
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RAINHAM – RM13 9DD
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SHEFFIELD - S9 5DE
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SOUTHAMPTON – SO53 4SE
T: 0238 062 3070 **E:** southampton@sbs.co.uk

Have an ACR query?
Email rac@sbs.co.uk

SBS
sbs.co.uk

CONTENTS

WHY SMITH BROTHERS?

Smith Brothers is a trusted wholesaler within the air conditioning & refrigeration sector. With unrivalled stock levels and UK wide distribution, we ensure a fast and reliable service through our branch network, spanning from Exeter to Dundee. Our commitment to excellence is reflected in our partnerships with industry-leading brands and service quality, which enables us to provide expert technical support to customers when required.

Smith Brothers was founded in 1897 by Walter Smith and remains family-owned, with 4th and 5th-generation family members active in the business today. It is the UK's largest and oldest family-owned commercial HVAC merchant, specialising in the distribution of pipework, valves, air conditioning, and all related fittings and ancillaries. The company has expanded its product offerings and geographic reach, with branches across England, Wales and Scotland, including the head office, which remains in Leicester. The company has continued to grow, expanding its turnover and branches and adapted to market needs over 125+ years of operation.

The company's success is built on strong relationships with a carefully selected supply chain, excellent stock management, and reduced lead times, all contributing to SBS's reputation for outstanding service and competitive pricing. With a turnover exceeding £200 million annually, SBS continues to invest in branch expansion, product development, and the growth of its people. The company's focus remains on providing high levels of service to meet the evolving needs of customers, adding value in every interaction.

> We shall maintain our desire to surpass our customer's expectations with a level of service that will continually add value to their changing needs.
>
> **Steve Smith, Managing Director**

SCAN ME

Company Video

EXCELLENT LOCAL STOCK LEVELS

UK WIDE DISTRIBUTION

TECHNICAL SUPPORT AVAILABLE

£200M+ TURNOVER PER ANNUM

VAST STOCKS OF DAIKIN, MIDEA & CELLAR COOLING

ONE-STOP SHOP FOR ALL YOUR ACR NEEDS

WHY SMITH BROTHERS?

SBS Promise

We make no secret of the promises we make to our customers when talking to the industry. Being transparent not only guarantees stakeholder backing but also notifies our support network, from suppliers to delivery drivers, of the level of performance we expect.

Our promises break down into 3 areas:

STAFF

With 125 years of industry experience, Smith Brothers have assembled a vast talent pool of highly knowledgeable and skilled staff members. Each branch has their own ACR specialist, ensuring expert assistance at every step. Our dedicated ACR Technical Managers are also available to support design specifications, ensuring you receive comprehensive, expert guidance from start to finish.

STOCK

While others may look to reduce stock levels to improve cash flow or minimise investment, Smith Brothers remains committed to holding high levels of key product stock. Our distribution hub for example is packed with a vast number of Daikin & Midea units (including VRV/F's) and Cellar Cooling equipment. Outside of our distribution centre, we have 21 branches strategically placed across the UK with unit sizes ranging from 15,000 to 40,000 sq. ft.

SERVICE

Our vision since the company was founded has been to offer value through service, ensuring our customers never fall short on their commitments. This is why each SBS branch has their own fleet of FORS Gold accredited commercial vehicles, which is complemented by a daily inter-branch stock transfer service. This gives us complete flexibility both locally and nationwide, ensuring deliveries will arrive on time.

ISO 9001

SBS has achieved ISO 9001 certification by demonstrating that our quality management systems and customer service consistently meet the required standards. This accreditation is a vital step for any organisation committed to maintaining high quality, improving processes, and meeting customer expectations.

ISO 14001

ISO 14001 is the globally recognised standard for environmental management systems (EMS). It provides a framework for companies like Smith Brothers to implement an EMS that continuously improves environmental performance. This is a significant milestone that reflects our commitment to environmental responsibility and sustainability.

Audited & Accountable to standards you can trust

FORS Gold

FORS (Fleet Operator Recognition Scheme) Gold is the highest level of certification awarded to companies in the transport and logistics sector that demonstrate exceptional commitment to safety, efficiency, and environmental sustainability. It highlights an organisation's dedication to maintaining high operational standards and promoting best practices within the industry.

Cyber Essentials

Cyber Essentials is a UK government-backed certification that helps businesses protect against common cyber threats. It outlines basic security measures, including secure configuration, firewalls, access control, patch management, and malware protection. Achieving the certification shows a commitment to cybersecurity and reassures customers and partners that the business takes steps to protect data and systems.

CORPORATE SOCIAL RESPONSIBILITY

Our CSR strategy is fully integrated into our decision-making process, which is regularly reviewed and improved when needed. This ongoing development ensures that Smith Brothers consistently acts responsibly within the HVAC sector, with the support and involvement of all stakeholders.

ENVIRONMENTAL COMMITMENT

SBS are ISO 14001 accredited, which signifies efforts in the business's operation to mitigate environmental impacts within our processes.

We have so far implemented a variety of green initiatives aimed at reducing waste and greenhouse gas emissions within the company. These initiatives include transitioning to hybrid/electric cars and installing EV charging points, promoting a Bike to Work scheme and adopting paperless technology where possible.

Our transportation services are backed up with FORS Gold certification, which tangibly confirms the commitment to reducing emissions, noise pollution and improving safety standards. The work done in this area was recognised by industry experts at The Great British Fleet Awards in April 2024, with Smith Brothers winning the Fleet Manager Superstar award.

If you're reading this text from a hard copy brochure, you'll notice on the back how our printed literature is done on carbon-balanced paper stock accredited by the World Land Trust and obtained from responsible sources which are Forest Stewardship Council (FSC) endorsed.

ETHICAL SOURCING

The business does not tolerate slavery or human trafficking in any part of our business, and is committed to ensuring this does not take place in our supply chain. Our commitment is set out clearly within the Modern Slavery Policy publicly viewable online at sbs.co.uk. These transparent and robust reporting systems promote best practices and ensure that commitments are ingrained throughout procedures, from staff recruitment to on-site factory visits.

At the time of publication, key personnel within the business are multilingual and can ensure nothing is 'lost in translation' during communications when confirming the standards required, even attending factory visits when needed.

With Smith Brothers also holding ISO 9001 accreditation, the auditing process also encompasses quality measures which ensure the manufacturing chain is not only fit for purpose, but also meets the necessary standards required within the HVAC marketplace.

SUSTAINABILITY

Smith Brothers was founded in 1897, over 125 years ago, and we're committed to being around for at least another 125 years and beyond. That's why we're dedicated to promoting sustainability within our business, ensuring our company continues to thrive while doing our part to protect the planet. Some examples are:

Hybrid/Electric Cars
The business has transitioned away from petrol/diesel to hybrid & electric cars

EV charging points
Installed at all Smith Brothers locations

EDI
Electronic Data Interchange implemented to significantly reduce paper usage

Bike to work scheme
Introduced to encourage staff members to cycle to work

Supply Chain
Together with our Supply Chain, we strive to deliver innovative solutions that not only meet the evolving needs of our customers but also contribute to a more sustainable future for generations to come. Recent initiatives include our high stock investment and overall promotion of **Heat Pump** equipment and **lower-GWP refrigerants.**

Copper Tube & Fittings
Smith Brothers' manufacturing partner for copper tube & fittings collaborates with the CuSP (Copper Sustainability Partnership), which aims to challenge, educate and inform the industry how copper plays a vital part in a more sustainable future.

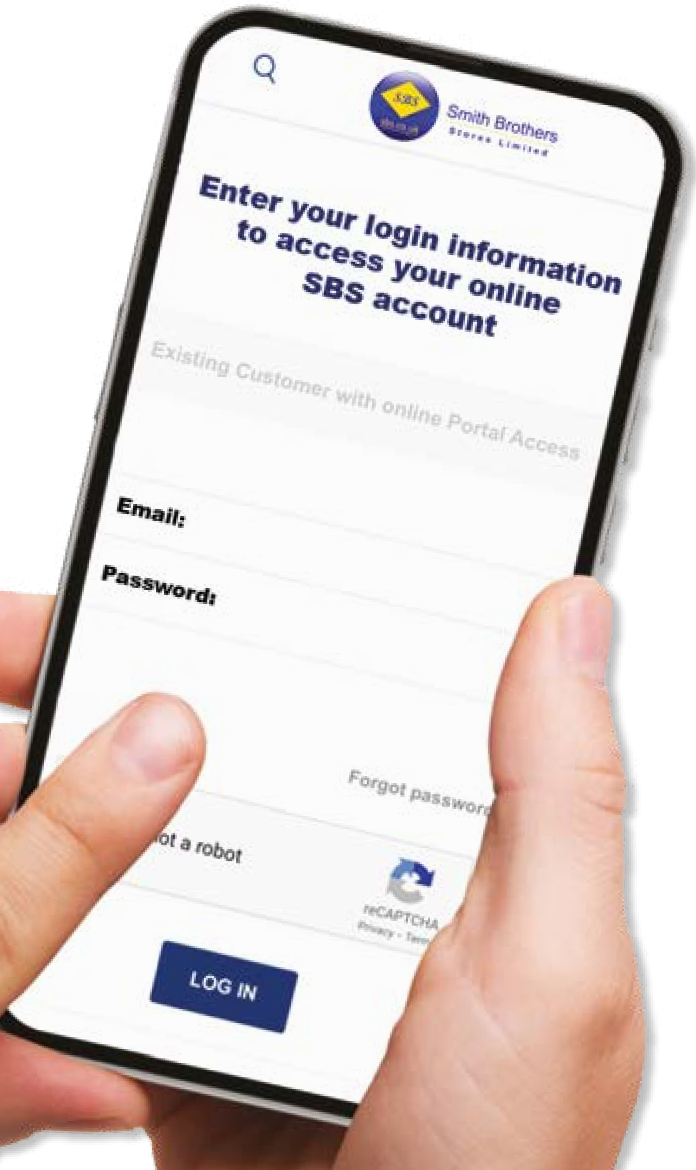
www.cuspuk.com

ONLINE - ACCOUNT MANAGEMENT

MANAGE YOUR ACCOUNT MORE EFFICIENTLY BY HAVING REAL-TIME ACCESS 24/7.

SCAN ME

Sign Up Today!



Enter your login information to access your online SBS account

Existing Customer with online Portal Access

Email:

Password:

ACCOUNT LEDGER

- ✓ Invoices
- ✓ Credit notes
- ✓ Payments

CREDIT ACCOUNT

- ✓ Current account balance
- ✓ Back-order information
- ✓ Period breakdown analysis
- ✓ Credit limit status

DELIVERY NOTES (POD'S)

- ✓ Corresponding POD for every order (collection & delivery)
- ✓ Match POD's with invoices

www.sbsonline.net

MAKING A PAYMENT

- ✓ Pay by card any time of the day
- ✓ Make a single bulk payment or individually select invoices

STATUS OF ORDER

- ✓ View order status - is it being picked or out for delivery?

CYBER ESSENTIALS
CERTIFIED

ORDER HISTORY

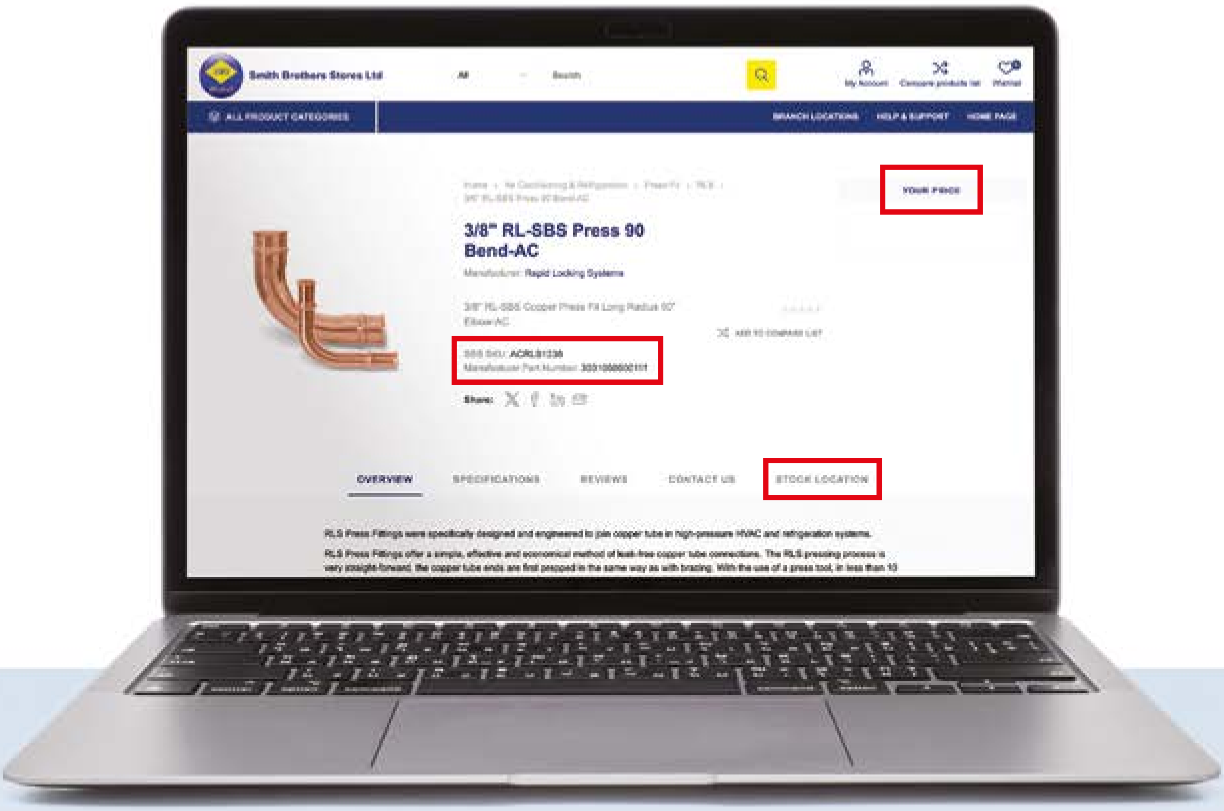
- ✓ Quotations - identify the branch & staff member who created the quote
- ✓ Orders - quick view facility & full PDF available

> “
>
> I was easily able to search products and all supporting data, manage our account, obtain pending orders, retrieve missing invoices and make online payments. I found it very convenient as I was able to obtain the information straight away rather than sending an email requesting the information.
>
> **Claire Cox,**
> **Combined Gas Services Ltd**

SCAN ME

Features Demonstration

ONLINE - ORDERING



3/8" RL-SBS Press 90 Bend-AC

Manufacturer: Rapid Locking Systems

3/8" RL-SBS Copper Press Fit Long Radius 90° Elbow AC

RLS Press Fittings were specifically designed and engineered to join copper tube in high-pressure HVAC and refrigeration systems.

RLS Press Fittings offer a simple, effective and economical method of leak-free copper tube connections. The RLS pressing process is very straight-forward, the copper tube ends are first prepped in the same way as with brazing. With the use of a press tool, in less than 10

PRODUCT INFORMATION AVAILABLE

- ✓ Branch stock status
- ✓ Product Codes (GTIN, EAN, & MPN)
- ✓ Over 15,000 HVAC products

SCAN ME

Order Demonstration

ORDER ONLINE ANYTIME, ANYWHERE…

- ✓ Account specific pricing
- ✓ Over 2,500 dedicated ACR products

www.sbsonline.net

Visit our award winning customer portal
www.sbsonline.net/air-conditioning

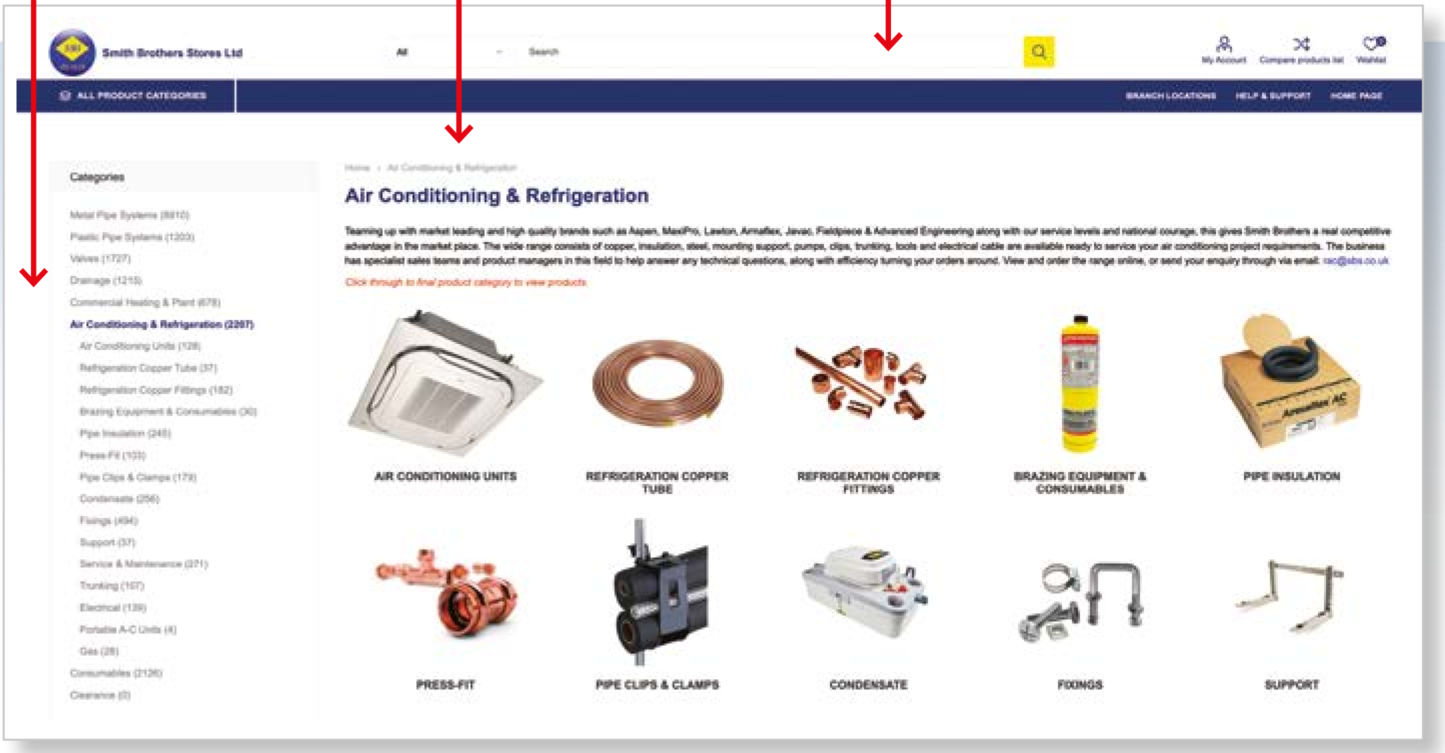
CONSTRUCTING EXCELLENCE
Midlands
CE EAST MIDLANDS AWARDS
WINNER
INNOVATION AWARD

EASY NAVIGATION

LEFT SIDE FILTERS

SEARCH THROUGH THE ACR CATEGORY

USE THE SEARCH BAR



Categories

- Metal Pipe Systems (8810)
- Plastic Pipe Systems (1203)
- Valves (1727)
- Drainage (1215)
- Commercial Heating & Plant (678)
- **Air Conditioning & Refrigeration (2207)**
  - Air Conditioning Units (128)
  - Refrigeration Copper Tube (37)
  - Refrigeration Copper Fittings (182)
  - Brazing Equipment & Consumables (30)
  - Pipe Insulation (245)
  - Press-Fit (103)
  - Pipe Clips & Clamps (179)
  - Condensate (256)
  - Fixings (494)
  - Support (37)
  - Service & Maintenance (271)
  - Trunking (107)
  - Electrical (139)
  - Portable A-C Units (4)
  - Gas (28)
- Consumables (2126)
- Clearance (0)

Air Conditioning & Refrigeration

Teaming up with market leading and high quality brands such as Aspen, MaxiPro, Lawton, Armaflex, Javac, Fieldpiece & Advanced Engineering along with our service levels and national courage, this gives Smith Brothers a real competitive advantage in the market place. The wide range consists of copper, insulation, steel, mounting support, pumps, clips, trunking, tools and electrical cable are available ready to service your air conditioning project requirements. The business has specialist sales teams and product managers in this field to help answer any technical questions, along with efficiency turning your orders around. View and order the range online, or send your enquiry through via email: rac@sbs.co.uk

Click through to final product category to view products

SCAN ME

ACR Product Range

Have a question? Get in touch

✉ **online@sbs.co.uk**

0116 222 7333

TESTIMONIALS

CUSTOMER

Most of the time, I require items the next day AM and SBS always deliver. With a wide range of products and high volume of stock, I always get the goods! Working with the Engineer to forward plan quantities of plant, tube and fittings, Smith Brothers always gives an idea of what stock we require on the projects. They are more than happy to get stock in knowing they can get it out the door the next day, if not the same day! I mainly deal with SBS Leicester who offer excellent customer service and always go that extra mile to ensure they meet our high demands. Prices are always on point. However, this isn't the main reason I use SBS - service is!

Ben Hewitt,
Multi-room Operations Manager,
WM Building Services

Customer rating:

★★★★★

STAFF MEMBER

Teamwork, commitment, hard work and communication are some of the key reasons Smith Brothers has continued to excel and grow throughout the years. Like myself nearly twenty years ago, anybody who joins the team quickly buys into the sense of unity and the general family feeling of the workplace. This positive working environment, in addition to the trust Smith Brothers management places on staff members to make key decisions and take ownership of any promises made to their customers, has allowed a positive culture to emerge over the years. Each member of staff plays their part to help deliver the service that Smith Brothers is renowned for and we have access to tools to hone our skills through our learning management platform, the SBS Academy. Our hard work and commitment are rewarded as the business continues to grow and we monitor, adapt and improve our services to suit the needs and requirements of our customers. I have learnt, adapted and achieved so much during my career at Smith Brothers and have the desire to continue to be a part of the business's ever-growing success.

Danny Mannion,
Branch Manager (Hull),
Smith Brothers Stores Ltd

Staff rating:

★★★★★

CUSTOMER

JCW have been well supported by Smith Brothers Stores for a number years. Their Leicester branch have provided us with expertise, pre-sale knowledge, on-time deliveries and excellent technical aftercare. This family owned business goes the extra mile to make sure our expectations are met and beyond. I would definitely rate them five out of five stars for their excellent service. We have been dealing with SBS since 2004.

Mick Stevenson,
National Installations Manager,
JCW Energy Services Ltd

Customer rating:

★★★★★

SUPPLIER

Our partnership with Smith Brothers spans over 30 years, during which we have grown together in the copper tube and fittings market. As a proud fifth-generation family business, we take great pride in investing in our people and fostering relationships built on trust and shared values. Today, we are honoured to supply their own brand of traditional copper fittings, further strengthening our collaboration. Over the last decade, their investment in ACR has evolved, and we've been privileged to support them by supplying high-quality ACR tube and fittings.

Smith Brothers' commitment to their customers and the industry is second to none, and we look forward to continuing our successful partnership for years to come. Smith Brothers is a longstanding and highly reputable business with strong family values - something we at Lawton Tubes deeply admire.

Adam Pugh,
National Key Accounts,
Lawton Tubes

Supplier rating:

★★★★★

> “
>
> Smith Brothers' commitment to their customers and the industry is second to none, and we look forward to continuing our successful partnership for years to come.
>
> **Adam Pugh,**
> **National Key Accounts,**
> **Lawton Tubes**

BRAND PARTNERS

DAIKIN

ROCHELLE NORTHERN
LIMITED

Midea

LAWTON
RCR

ASPEN
PUMPS

DIVERSITECH
INTERNATIONAL

Advanced

JAVAC

sauermann

Atkore
Unistrut

Conex Bänninger
>B< MaxiPro

RLS
EUROPE

Fieldpiece
Tools HVACR Pros Trust

HARP

siccom

BLUEDIAMOND
CONDENSATE REMOVAL PUMPS

kaimann
SAINT-GOBAIN

CORE
Core values, quality products

armacell

SANHUA

Pumps2go

METSEC

UNITRUNK

CASE STUDY

Site: Warwickshire Golf & County Club

Manufacturer: Midea

Products Used: Mini VRFs & DX Interface Kits

Contractor: Temp Air Solutions Ltd

The Project: Temp Air Solutions Ltd required a quick and cost-effective air conditioning system for the state-of-the-art gym at The Warwickshire Golf and Country Club.

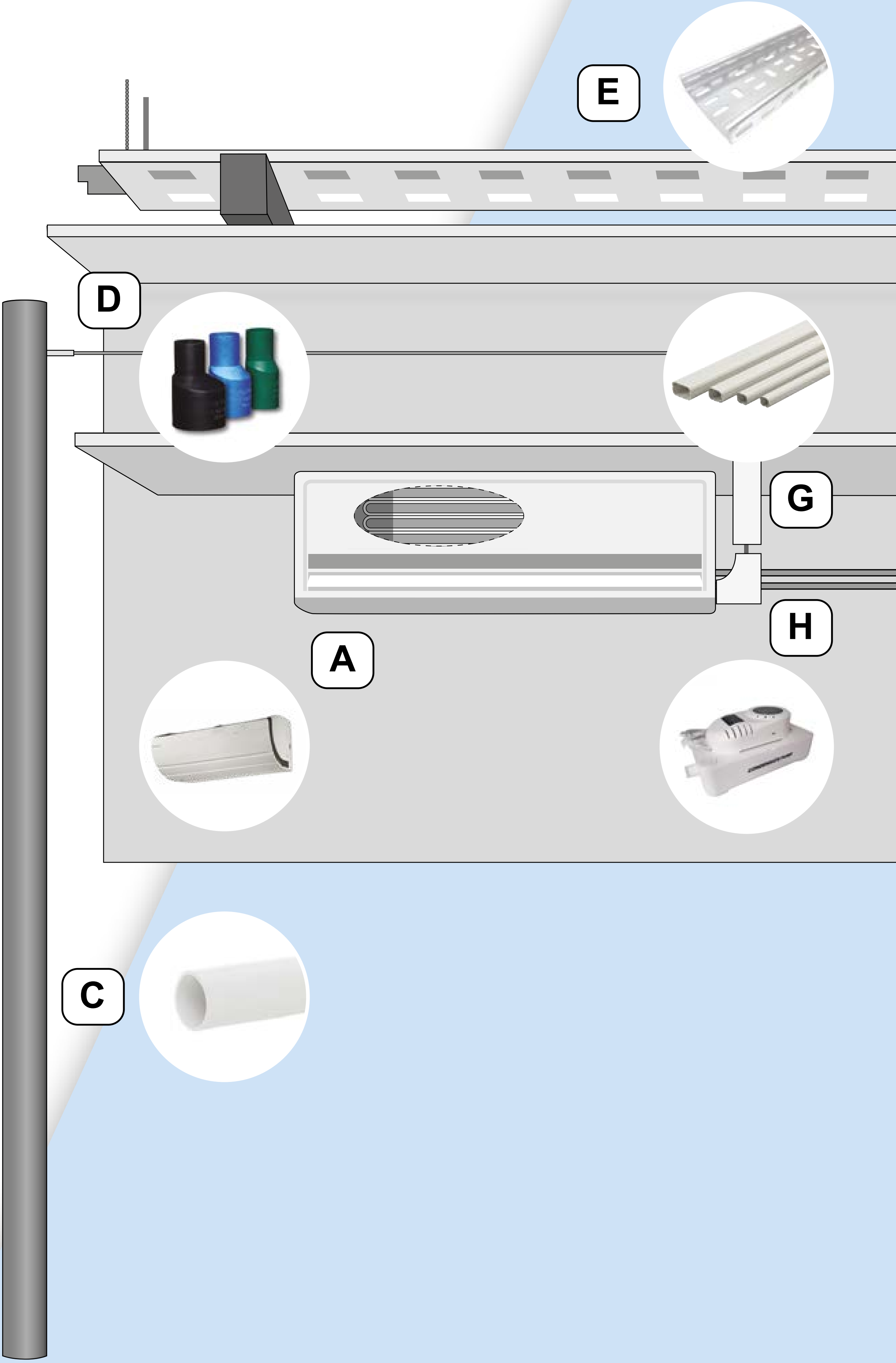
Ideally located close to the beautiful city of Warwick and historic town of Stratford-upon-Avon, The Warwickshire Country Club provides a clean, comfortable, and spacious environment to exercise, overlooking the stunning surroundings of the golf course and lake. The open-plan gym layout has been divided into specialised zones featuring cardio, free weights, resistance, and functional training areas. Effective and reliable air conditioning is extremely important in these areas to cool down the temperature to allow people to train harder and to reduce heat exhaustion.

Project

Therefore Temp Air Solutions opted for two Midea Mini VRF systems (20kW / 26kW) and two Midea DX interface kits to operate alongside existing 3rd party equipment to provide a comfortable workout environment for gym members and guests. Chosen for its slim and compact design Midea's Mini VRF provides significant savings on installation space and it is a cost effective solution with the ability to connect up to 20 indoor units to a single outdoor unit.

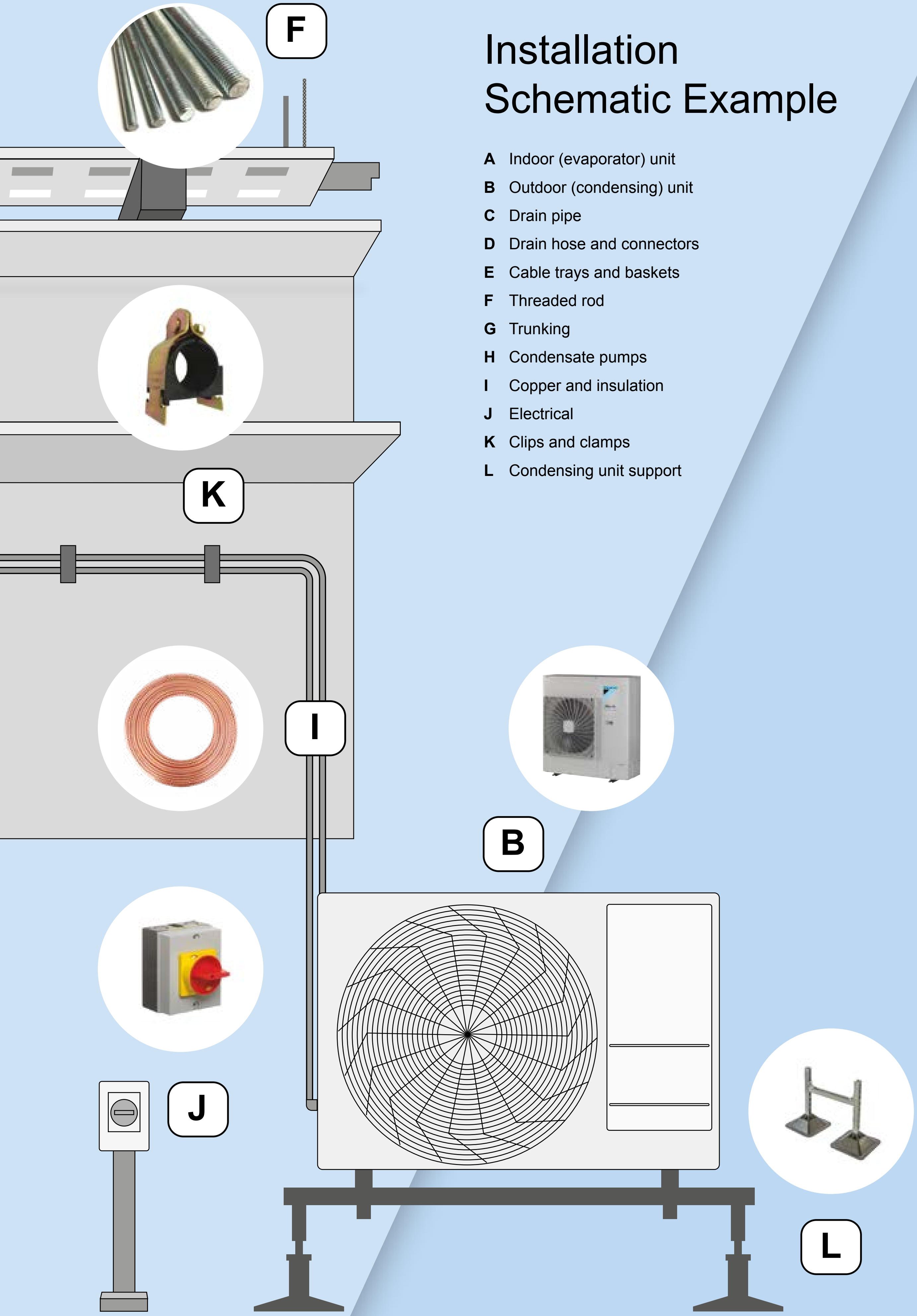
Feedback

Temp Air Solutions Ltd, who have over 25 years of air conditioning experience have selected Midea equipment for many projects over the years, however this was their first Midea VRF project. They were so impressed with the equipment and dedicated service provided, including free Midea commissioning assistance, they have already started working on the rollout of phase 2 of this project.


E
D
G
H
A
C

Installation Schematic Example

A	Indoor (evaporator) unit
B	Outdoor (condensing) unit
C	Drain pipe
D	Drain hose and connectors
E	Cable trays and baskets
F	Threaded rod
G	Trunking
H	Condensate pumps
I	Copper and insulation
J	Electrical
K	Clips and clamps
L	Condensing unit support



AIR CONDITIONING UNITS

- Splits
- Cassettes
- Ducted
- Floor
- Ceiling
- Outdoor
- VRV/F
- Ventilation
- Chillers
- Controls
- Spares
- DX Interface Kits

See a QR code top right?

You can view the range online!

Use the QR Codes to easily and conveniently access:

- **Stock availability information by branch**
- **Account pricing** (If logged into your account)

AIR CONDITIONING UNITS - DAIKIN

Splits

Daikin indoor units are designed with quality and efficiency in mind with their split units able to provide both heating and cooling all year round. The Daikin range is known for several features:

FEATURES

- **FLEXIBILITY:**
  Whether you are looking for wall-mounted, floor-standing or concealed ceiling units. They are available in a range of different sizes and colours to suit any room.
- **EFFICIENCY:**
  Offering ultimate performance and high efficiencies. An installation can save on energy bills and provide comfort all year long.
- **HIGH HEATING CAPACITY:**
  Daikin split systems such as Emura and Perfera can provide heating as low as -20°C.
- **FULL COMFORT (HEATING AND COOLING):**
  Daikin split systems provide both heating and cooling, offering exceptional comfort thanks to intelligent sensors and airflow techniques.
- **CONTROL OF UNITS:**
  All indoor units are individually controlled by a remote control or via the Onecta app. The app enables scheduling, controlling and monitoring of each air-to-air heat pump unit. Onecta is compatible with Amazon Alexa and Google Assistant.

A wide choice of indoor wall-mounted units capable of meeting the requirements of residential and commercial applications.

Splits

Technology Range

Complete climate control with humidification, air purification and ventilation with top efficiencies in heating and cooling.

R32 WALL MOUNTED (URURU SARARA)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FTXZ25N	2.5	Indoor	295 x 798 x 372	15	10 / 8	1/4" - 3/8"	1ph / 16
RXZ25N		Outdoor	693 x 795 x 300	50			
FTXZ35N	3.5	Indoor	295 x 798 x 372	15	10 / 8	1/4" - 3/8"	1ph / 16
RXZ35N		Outdoor	693 x 795 x 300	50			
FTXZ50N	5	Indoor	295 x 798 x 372	15	10 / 8	1/4" - 3/8"	1ph / 16
RXZ50N		Outdoor	693 x 795 x 300	50			

Design Range

Designed to be pleasing on the eye delivering superior efficiency and comfort. The Stylish range is one of the most compact and efficient wall-mounted units on the market, with a modern and sleek design.

FEATURES OF THE STYLISH RANGE:

- All fan coils are supplied with infrared remote controller ARC466A85
- New fan with Coanda effect for optimum air distribution and indoor comfort
- New grid eye sensor redirects air away from the occupants in the room
- Flash Streamer technology helps improve indoor air quality
- New Antibacterial Filter for arresting small particulates effectively
- Can be connected with R410A Mini VRV using BPMK boxes except for CTXA
- RXA20-35A8 can reduce the sound power by a further 6 dB(A)
- DCS Residential Ready

R32 WALL MOUNTED (EMURA)

SBS Code (MPN)		Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
						Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FTXJ20A	W9 - White B9 - Black S9 - Silver	2	Indoor	305 x 900 x 212	12	20 / 15	1/4" - 3/8"	1ph / 10
RXJ20A9			Outdoor	552 x 840 x 350	32			
FTXJ25A	W9 - White B9 - Black S9 - Silver	2.5	Indoor	305 x 900 x 212	12	20 / 15	1/4" - 3/8"	1ph / 13
RXJ25A9			Outdoor	552 x 840 x 350	32			
FTXJ35A	W9 - White B9 - Black S9 - Silver	3.5	Indoor	305 x 900 x 212	12	20 / 15	1/4" - 3/8"	1ph / 13
RXJ35A9			Outdoor	552 x 840 x 350	32			
FTXJ42A	W9 - White B9 - Black S9 - Silver	4.2	Indoor	305 x 900 x 212	12	30 / 20	1/4" - 1/2"	1ph / 13
RXJ42A9			Outdoor	734 x 954 x 408	49			
FTXJ50A	W9 - White B9 - Black S9 - Silver	5	Indoor	305 x 900 x 212	12	30 / 20	1/4" - 1/2"	1ph / 13
RXJ50A9			Outdoor	734 x 954 x 408	49			

AIR CONDITIONING UNITS - DAIKIN

Splits

R32 WALL MOUNTED (STYLISH)

SBS Code (MPN)		Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
						Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FTXA20C	W - White	2	Indoor	295 x 798 x 189	12	20 / 15	1/4" - 3/8"	1ph / 10
	B - Matte Black							
	S - Silver							
RXA20A8			Outdoor	550 x 840 x 350	32			
FTXA25C	W - White	2.5	Indoor	295 x 798 x 189	12	20 / 15	1/4" - 3/8"	1ph / 13
	B - Matte Black							
	S - Silver							
RXA25A8			Outdoor	550 x 840 x 350	32			
FTXA35C	W - White	3.5	Indoor	295 x 798 x 189	12	20 / 15	1/4" - 3/8"	1ph / 13
	B - Matte Black							
	S - Silver							
RXA35A8			Outdoor	550 x 840 x 350	32			
FTXA42C	W - White	4.2	Indoor	295 x 798 x 189	12	30 / 20	1/4" - 3/8"	1ph / 16
	B - Matte Black							
	S - Silver							
RXA42B8			Outdoor	734 x 870 x 373	50			
FTXA50C	W - White	5	Indoor	295 x 798 x 189	12	30 / 20	1/4" - 1/2"	1ph / 16
	B - Matte Black							
	S - Silver							
RXA50B8			Outdoor	734 x 870 x 373	50			

Higher Capacity Wall-Mounted Units

The Daikin Alpha, Advance, and Active wall mounted indoor ranges offer advanced climate control solutions for residential and commercial spaces. All three ranges provide a premium indoor air experience with smart features and Daikin's signature durability.

R32 WALL MOUNTED (ALPHA)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FAA71B	7.1	Indoor	290 x 1050 x 269	14	55 / 30	3/8" - 5/8"	1ph / 20
RZAG71NV1		Outdoor	870 x 1100 x 460	81			
FAA100B	10	Indoor	340 x 1200 x 262	18	85 / 30	3/8" - 5/8"	1ph / 32
RZAG100NV1		Outdoor	870 x 1100 x 460	85			
FAA71B	7.1	Indoor	290 x 1050 x 269	14	55 / 30	3/8" - 5/8"	3ph / 16
RZAG71NY1		Outdoor	870 x 1100 x 460	81			
FAA100B	10	Indoor	340 x 1200 x 262	18	85 / 30	3/8" - 5/8"	3ph / 16
RZAG100NY1		Outdoor	870 x 1100 x 460	85			

R32 WALL MOUNTED (ADVANCE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FAA71B	7.1	Indoor	290 x 1050 x 269	14	50 / 30	3/8" - 5/8"	1ph / 20
RZASG71MV1		Outdoor	770 x 900 x 320	60			
FAA100B	10	Indoor	340 x 1200 x 262	18	50 / 30	3/8" - 5/8"	1ph / 25
RZASG100MV1		Outdoor	990 x 940 x 320	70			
FAA100B	10	Indoor	340 x 1200 x 262	18	50 / 30	3/8" - 5/8"	3ph / 16
RZASG100MY1		Outdoor	990 x 940 x 320	70			

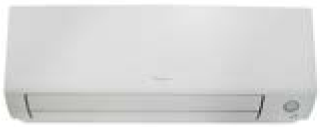
R32 WALL MOUNTED (ACTIVE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FAA71B	7.1	Indoor	290 x 1050 x 269	14	30 / 20	3/8" - 5/8"	1ph / 20
ARXM71R		Outdoor	734 x 954 x 401	49			
FAA100B	10	Indoor	340 x 1200 x 262	18	30 / 30	3/8" - 5/8"	1ph / 25
AZAS100MV1		Outdoor	990 x 940 x 320	72			
FAA100B	10	Indoor	340 x 1200 x 262	18	30 / 30	3/8" - 5/8"	3ph / 16
AZAS100MY1		Outdoor	990 x 940 x 320	72			

AIR CONDITIONING UNITS - DAIKIN

Splits

Standard Range



An attractive, wall-mounted design offering excellent indoor air quality.

FEATURES:

- All fan coils are supplied with infrared remote controller ARC466A86 (7-day schedule timer)
- All fan coils have auto restart after power failure
- Wired controller, KLIC-DDV3 and RTD-RA options cannot be combined
- Night set mode
- Air purification using Flash Streamer technology
- New static air filter treated with an active (Ionpure) substance to improve efficiencies
- Presence sensor and 2-area intelligent eye
- 5 fan speeds can be selected; from high to super low
- Heat boost function to reach set point quicker during start-up
- Can be connected with R410A Mini VRV using BPMK boxes
- RXM20-35A9 can reduce the sound power by a further 6 dB(A)
- DCS Residential Ready

R32 WALL MOUNTED PERFERA (MINI SKY AIR)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FTXM35A	3.5	Indoor	298 x 804 x 252	11.5	50 / 30	1/4" - 3/8"	1ph / 16
RZAG35B		Outdoor	734 x 870 x 373	52			
FTXM50A	5	Indoor	298 x 804 x 252	11.5	50 / 30	1/4" - 1/2"	1ph / 16
RZAG50B		Outdoor	734 x 870 x 373	52			
FTXM60A	6	Indoor	299 x 998 x 292	14.5	50 / 30	1/4" - 1/2"	1ph / 16
RZAG60B		Outdoor	734 x 870 x 373	52			

R32 WALL MOUNTED PERFERA (STANDARD INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FTXM20A	2	Indoor	298 x 804 x 252	11.5	20 / 15	1/4" - 3/8"	1ph / 10
RXM20A		Outdoor	610 x 923 x 367	36			
FTXM25A	2.5	Indoor	298 x 804 x 252	11.5	20 / 15	1/4" - 3/8"	1ph / 13
RXM25A9		Outdoor	610 x 923 x 367	36			
FTXM35A	3.5	Indoor	298 x 804 x 252	11.5	20 / 15	1/4" - 3/8"	1ph / 13
RXM35A9		Outdoor	610 x 923 x 367	36			
FTXM42A	4.2	Indoor	298 x 804 x 252	11.5	30 / 20	1/4" - 3/8"	1ph / 13
RXM42A		Outdoor	610 x 923 x 367	40			
FTXM50A	5	Indoor	298 x 804 x 252	11.5	30 / 20	1/4" - 1/2"	1ph / 13
RXM50A8		Outdoor	610 x 923 x 367	40			
FTXM60A	6	Indoor	298 x 997 x 292	14.5	30 / 20	1/4" - 1/2"	1ph / 16
RXM60A		Outdoor	734 x 954 x 401	49			
FTXM71A	7.1	Indoor	298 x 997 x 292	14.5	30 / 20	1/4" - 5/8"	1ph / 20
RXM71A		Outdoor	734 x 954 x 401	55			

AIR CONDITIONING UNITS - DAIKIN

Splits

Low Inverter Range

A discreet wall-mounted unit providing high efficiency and comfort.

FEATURES OF THE SENSIRA RANGE:

- Built-in WiFi as standard
- All fan coils are supplied with infrared remote controller ARC470A
- BRP069C47 comes with separate IR to enable WLAN connectivity
- Whisper-quiet in operation down to 20 dBA
- The unit’s compact dimensions make it ideal for renovation projects, especially for above door installation
- Space-saving contemporary wall-mounted design

R32 WALL MOUNTED RESIDENTIAL SENSIRA (LOW INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FTXF20F	2	Indoor	286 x 770 x 225	8	20 / 12	1/4" - 3/8"	1ph / 16
RXF20F		Outdoor	556 x 740 x 343	24			
FTXF25F	2.5	Indoor	286 x 770 x 225	8	20 / 12	1/4" - 3/8"	1ph / 16
RXF25F		Outdoor	556 x 740 x 343	24			
FTXF35F	3.5	Indoor	286 x 770 x 225	8.5	20 / 12	1/4" - 3/8"	1ph / 16
RXF35F		Outdoor	556 x 740 x 343	24			
FTXF42F	4.2	Indoor	286 x 770 x 255	9	20 / 12	1/4" - 3/8"	1ph / 16
RXF42F		Outdoor	556 x 740 x 343	28			
FTXF50F	5	Indoor	286 x 770 x 225	13.5	30 / 20	1/4" - 1/2"	1ph / 16
RXF50F		Outdoor	610 x 923 x 367	40			
FTXF60F	6	Indoor	295 x 990 x 263	13.5	30 / 20	1/4" - 1/2"	1ph / 20
RXF60D9		Outdoor	734 x 870 x 373	50			
FTXF71F	7.1	Indoor	295 x 990 x 263	13.5	30 / 20	1/4" - 1/2"	1ph / 20
RXF71D9		Outdoor	734 x 870 x 373	50			

R32 WALL MOUNTED COMFORA (LOW INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FTXP20N9	2	Indoor	286 x 770 x 225	8.5	20 / 12	1/4" - 3/8"	1ph / 16
RXP20N9		Outdoor	556 x 740 x 343	24			
FTXP25N9	2.5	Indoor	286 x 770 x 225	8.5	20 / 12	1/4" - 3/8"	1ph / 16
RXP25N9		Outdoor	556 x 740 x 343	24			
FTXP35N9	3.5	Indoor	286 x 770 x 225	9	20 / 12	1/4" - 3/8"	1ph / 16
RXP35N9		Outdoor	556 x 740 x 343	24			
FTXP50N9	5	Indoor	286 x 770 x 225	9	30 / 20	1/4" - 1/2"	1ph /13
RXP50N8		Outdoor	610 x 923 x 367	40			
FTXP60N	6	Indoor	295 x 990 x 263	13.5	30 / 20	1/4" - 1/2"	1ph / 16
RXP60N9		Outdoor	734 x 954 x 401	50			
FTXP71N	7.1	Indoor	295 x 990 x 263	13.5	30 / 20	1/4" - 1/2"	1ph / 16
RXP71N9		Outdoor	734 x 954 x 401	50			

AIR CONDITIONING UNITS - DAIKIN

Cassettes

The Daikin cassette ranges are ceiling-mounted air conditioning units designed for efficient and unobtrusive climate control in both commercial and residential spaces. Their range includes advanced technology to ensure consistent air distribution, improved energy efficiency, and easy integration into various room layouts. These cassettes deliver a modern, stylish, and versatile solution for maintaining ideal indoor conditions.

R32 COMPACT ROUNDFLOW CASSETTE

The FCAG series is known for its compact, sleek design and energy-efficient performance, offering quiet operation and precise temperature control.

R32 COMPACT ROUNDFLOW CASSETTE (MINI SKY AIR)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FCAG35B	3.5	Indoor	204 x 840 x 840	18	50 / 30	1/4" - 3/8"	1ph / 16
RZAG35B		Outdoor	734 x 870 x 373	52			
FCAG50B	5	Indoor	204 x 840 x 840	19	50 / 30	1/4" - 1/2"	1ph / 16
RZAG50B		Outdoor	734 x 870 x 373	52			
FCAG60B	6	Indoor	204 x 840 x 840	19	50 / 30	1/4" - 1/2"	1ph / 20
RZAG60B		Outdoor	734 x 870 x 373	52			

R32 COMPACT ROUNDFLOW CASSETTE (STANDARD INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FCAG35B	3.5	Indoor	204 x 840 x 840	18	20 / 15	1/4" - 3/8"	1ph / 13
RXM35A9		Outdoor	610 x 923 x 367	36			
FCAG50B	5	Indoor	204 x 840 x 840	19	30 / 20	1/4" - 1/2"	1ph / 13
RXM50A8		Outdoor	610 x 923 x 367	40			
FCAG60B	6	Indoor	204 x 840 x 840	19	30 / 20	1/4" - 1/2"	1ph / 16
RXM60A		Outdoor	734 x 954 x 401	49			

R32 COMPACT ROUNDFLOW CASSETTE (ADVANCE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FCAG71B	7.1	Indoor	204 x 840 x 840	21	50 / 30	3/8" - 5/8"	1ph / 20
RZASG71MV1		Outdoor	770 x 900 x 320	60			
FCAG100B	10	Indoor	246 x 840 x 840	23	50 / 30	3/8" - 5/8"	1ph / 25
RZASG100MV1		Outdoor	990 x 940 x 320	70			
FCAG125B	12.5	Indoor	246 x 840 x 840	23	50 / 30	3/8" - 5/8"	1ph / 32
RZASG125MV1		Outdoor	990 x 940 x 320	70			
FCAG140B	14	Indoor	246 x 840 x 840	23	50 / 30	3/8" - 5/8"	1ph / 32
RZASG140MV1		Outdoor	990 x 940 x 320	78			
FCAG100B	10	Indoor	246 x 840 x 840	23	50 / 30	3/8" - 5/8"	3ph / 16
RZASG100MY1		Outdoor	990 x 940 x 320	70			
FCAG125B	12.5	Indoor	246 x 840 x 840	23	50 / 30	3/8" - 5/8"	3ph / 16
RZASG125MY1		Outdoor	990 x 940 x 320	70			
FCAG140B	14	Indoor	246 x 840 x 840	23	50 / 30	3/8" - 5/8"	3ph / 16
RZASG140MY1		Outdoor	990 x 940 x 320	78			

R32 COMPACT ROUNDFLOW CASSETTE (ACTIVE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FCAG71B	7.1	Indoor	204 x 840 x 840	21	30 / 20	3/8" - 5/8"	1ph / 16
ARXM71R		Outdoor	734 x 954 x 401	49			
FCAG100B	10	Indoor	246 x 840 x 840	23	30 / 30	3/8" - 5/8"	1ph / 25
AZAS100MV1		Outdoor	990 x 940 x 320	72			
FCAG125B	12.5	Indoor	246 x 840 x 840	23	30 / 30	3/8" - 5/8"	1ph / 32
AZAS125MV1		Outdoor	990 x 940 x 320	72			
FCAG140B	14	Indoor	246 x 840 x 840	23	30 / 30	3/8" - 5/8"	1ph / 32
AZAS140MV1		Outdoor	990 x 940 x 320	79			
FCAG100B	10	Indoor	246 x 840 x 840	23	30 / 30	3/8" - 5/8"	3ph / 16
AZAS100MY1		Outdoor	990 x 940 x 320	72			
FCAG125B	12.5	Indoor	246 x 840 x 840	23	30 / 30	3/8" - 5/8"	3ph / 16
AZAS125MY1		Outdoor	990 x 940 x 320	72			
FCAG140B	14	Indoor	246 x 840 x 840	23	30 / 30	3/8" - 5/8"	3ph / 16
AZAS140MY1		Outdoor	990 x 940 x 320	79			

AIR CONDITIONING UNITS - DAIKIN

Cassettes

R32 High COP Roundflow Cassette

This unit delivers exceptional energy efficiency with its high coefficient of performance (COP), ensuring reduced energy consumption while maintaining optimal comfort. Its 360° airflow design ensures even distribution of air across the room, and the compact, sleek design allows for easy installation in ceilings. Ideal for commercial spaces, this cassette unit combines performance with quiet operation and advanced features for a superior indoor environment.

R32 HIGH COP ROUNDFLOW CASSETTE (ALPHA)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FCAHG71H	7.1	Indoor	288 x 840 x 840	25	55 / 30	3/8" - 5/8"	1ph / 20
RZAG71NV1		Outdoor	870 x 1100 x 460	81			
FCAHG100H	10	Indoor	288 x 840 x 840	25	85 / 30	3/8" - 5/8"	1ph / 32
RZAG100NV1		Outdoor	870 x 1100 x 460	85			
FCAHG125H	12.5	Indoor	288 x 840 x 840	25	85 / 30	3/8" - 5/8"	1ph / 32
RZAG125NV1		Outdoor	870 x 1100 x 460	95			
FCAHG140H	14	Indoor	288 x 840 x 840	25	85 / 30	3/8" - 5/8"	1ph / 32
RZAG140NV1		Outdoor	870 x 1100 x 460	95			
FCAHG71H	7.1	Indoor	288 x 840 x 840	25	55 / 30	3/8" - 5/8"	3ph / 16
RZAG71NY1		Outdoor	870 x 1100 x 460	81			
FCAHG100H	10	Indoor	288 x 840 x 840	25	85 / 30	3/8" - 5/8"	3ph / 16
RZAG100NY1		Outdoor	870 x 1100 x 460	85			
FCAHG125H	12.5	Indoor	288 x 840 x 840	25	85 / 30	3/8" - 5/8"	3ph / 16
RZAG125NY1		Outdoor	870 x 1100 x 460	95			
FCAHG140H	14	Indoor	288 x 840 x 840	25	85 / 30	3/8" - 5/8"	3ph / 16
RZAG140NY1		Outdoor	870 x 1100 x 460	95			

R32 Fully Flat Cassette

FAA series provides additional features like wider airflow and enhanced comfort, making it ideal for larger spaces.

FEATURES:

- Discreet unit that blends well with the existing ceiling grid
- SEER/SCOP A++/A+
- Supports BREEAM requirements
- One of the quietest unit on the market
- Easy installation through a single ceiling tile with no overlap of surrounding tiles

R32 FULLY FLAT CASSETTE (MINI SKY AIR)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FFA35A9	3.5	Indoor	260 x 575 x 575	16	50 / 30	1/4" - 3/8"	1ph / 16
RZAG35B		Outdoor	734 x 870 x 373	52			
FFA50A9	5	Indoor	260 x 575 x 575	17.5	50 / 30	1/4" - 1/2"	1ph / 16
RZAG50B		Outdoor	734 x 870 x 373	52			
FFA60A9	6	Indoor	260 x 575 x 575	17.5	50 / 30	1/4" - 1/2"	1ph / 20
RZAG60B		Outdoor	734 x 870 x 373	52			

R32 FULLY FLAT CASSETTE (STANDARD INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FFA25A9	2.5	Indoor	260 x 575 x 575	16	20 / 15	1/4" - 3/8"	1ph / 13
RXM25A9		Outdoor	610 x 923 x 367	36			
FFA35A9	3.5	Indoor	260 x 575 x 575	16	20 / 15	1/4" - 3/8"	1ph / 13
RXM35A9		Outdoor	610 x 923 x 367	36			
FFA50A9	5	Indoor	260 x 575 x 575	17.5	30 / 20	1/4" - 1/2"	1ph / 13
RXM50A8		Outdoor	610 x 923 x 367	40			
FFA60A9	6	Indoor	260 x 575 x 575	17.5	30 / 20	1/4" - 1/2"	1ph / 16
RXM60A		Outdoor	734 x 954 x 401	49			

AIR CONDITIONING UNITS - DAIKIN

Ducted

These systems are designed to be installed out of sight, typically in ceilings or under floors, providing even airflow and temperature control across multiple zones. Key features include:

- **COMPACT DESIGN:**
  The units are slim and space-saving, allowing for easy installation in tight spaces.
- **QUIET OPERATION:**
  Designed for minimal noise, ensuring a comfortable environment.
- **ENERGY EFFICIENCY:**
  Incorporates inverter technology and advanced controls for improved energy savings.
- **FLEXIBLE CONTROLS:**
  Compatible with Daikin’s smart controls, allowing for remote temperature management.

Overall, Daikin’s Indoor Ducted range offers efficient, quiet, and versatile climate control with a clean, unobtrusive installation.

R32 SLIM DUCTED (MINI SKY AIR)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FDXM35F9	3.5	Indoor	200 x 750 x 620	21	50 / 30	1/4” - 3/8”	1ph / 16
RZAG35B		Outdoor	734 x 870 x 373	52			
FDXM50F9	5	Indoor	200 x 1150 x 620	28	50 / 30	1/4” - 1/2”	1ph / 16
RZAG50B		Outdoor	734 x 870 x 373	52			
FDXM60F9	6	Indoor	200 x 1150 x 620	28	50 / 30	1/4” - 1/2”	1ph / 20
RZAG60B		Outdoor	734 x 870 x 373	52			

R32 SLIM DUCTED (STANDARD INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FDXM25F9	2.5	Indoor	200 x 750 x 620	21	20 / 15	1/4” - 3/8”	1ph / 13
RXM25A9		Outdoor	610 x 923 x 367	36			
FDXM35F9	3.5	Indoor	200 x 750 x 620	21	20 / 15	1/4” - 3/8”	1ph / 13
RXM35A9		Outdoor	610 x 923 x 367	36			
FDXM50F9	5	Indoor	200 x 1150 x 620	28	30 / 20	1/4” - 1/2”	1ph / 13
RXM50A8		Outdoor	610 x 923 x 367	40			
FDXM60F9	6	Indoor	200 x 1150 x 620	28	30 / 20	1/4” - 1/2”	1ph / 16
RXM60A		Outdoor	734 x 954 x 401	49			

R32 DUCTED (MINI SKY AIR)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FBA35A9	3.5	Indoor	245 x 700 x 800	28	50 / 30	1/4” - 3/8”	1ph / 16
RZAG35B		Outdoor	734 x 870 x 373	52			
FBA50A9	5	Indoor	245 x 700 x 800	28	50 / 30	1/4” - 1/2”	1ph / 16
RZAG50B		Outdoor	734 x 870 x 373	52			
FBA60A9	6	Indoor	245 x 1000 x 800	35	50 / 30	1/4” - 1/2”	1ph / 20
RZAG60B		Outdoor	734 x 870 x 373	52			

R32 DUCTED (STANDARD INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FBA35A9	3.5	Indoor	245 x 700 x 800	28	20 / 15	1/4” - 3/8”	1ph / 13
RXM35A9		Outdoor	610 x 923 x 367	36			
FBA50A9	5	Indoor	245 x 700 x 800	28	30 / 20	1/4” - 1/2”	1ph / 13
RXM50A8		Outdoor	610 x 923 x 367	40			
FBA60A9	6	Indoor	245 x 1000 x 800	35	30 / 20	1/4” - 1/2”	1ph / 16
RXM60A		Outdoor	734 x 954 x 401	49			

R32 ULTRA HIGH STATIC DUCTED (ALPHA & ADVANCE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FDA125A	12.5	Indoor	300 x 1400 x 700	45	85 / 30	3/8” - 5/8”	1ph / 32
RZAG125NV1		Outdoor	870 x 1100 x 460	92			
FDA125A	12.5	Indoor	300 x 1400 x 700	45	50 / 30	3/8” - 5/8”	1ph / 32
RZASG125MV1		Outdoor	990 x 940 x 320	70			
FDA125A	12.5	Indoor	300 x 1400 x 700	45	85 / 30	3/8” - 5/8”	3ph / 16
RZAG125NY1		Outdoor	870 x 1100 x 460	92			
FDA125A	12.5	Indoor	300 x 1400 x 700	45	50 / 30	3/8” - 5/8”	3ph / 16
RZASG125MY1		Outdoor	990 x 940 x 320	70			
FDA200A	20	Indoor	470 x 1490 x 1100	104	100 / 30	3/8” - 7/8”	3ph / 20
RZA200D		Outdoor	870 x 1100 x 460	117			
FDA250A	25	Indoor	470 x 1490 x 1100	115	100 / 30	3/8” - 7/8”	3ph / 20
RZA250D		Outdoor	870 x 1100 x 460	117			

AIR CONDITIONING UNITS - DAIKIN

Ducted

R32 DUCTED (ALPHA)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FBA71A9	7.1	Indoor	245 x 1000 x 800	35	55 / 30	3/8" - 5/8"	1ph / 20
RZAG71NV1		Outdoor	870 x 1100 x 460	81			
FBA100A	10	Indoor	245 x 1400 x 800	46	85 / 30	3/8" - 5/8"	1ph / 32
RZAG100NV1		Outdoor	870 x 1100 x 460	85			
FBA125A	12.5	Indoor	245 x 1400 x 800	46	85 / 30	3/8" - 5/8"	1ph / 32
RZAG125NV1		Outdoor	870 x 1100 x 460	95			
FBA140A	14	Indoor	245 x 1400 x 800	46	85 / 30	3/8" - 5/8"	1ph / 32
RZAG140NV1		Outdoor	870 x 1100 x 460	95			
FBA71A9	7.1	Indoor	245 x 1000 x 800	35	55 / 30	3/8" - 5/8"	3ph / 16
RZAG71NY1		Outdoor	870 x 1100 x 460	81			
FBA100A	10	Indoor	245 x 1400 x 800	46	85 / 30	3/8" - 5/8"	3ph / 16
RZAG100NY1		Outdoor	870 x 1100 x 460	85			
FBA125A	12.5	Indoor	245 x 1400 x 800	46	85 / 30	3/8" - 5/8"	3ph / 16
RZAG125NY1		Outdoor	870 x 1100 x 460	95			
FBA140A	14	Indoor	245 x 1400 x 800	46	85 / 30	3/8" - 5/8"	3ph / 16
RZAG140NY1		Outdoor	870 x 1100 x 460	95			

R32 DUCTED (ADVANCE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FBA71A9	7.1	Indoor	245 x 1000 x 800	35	50 / 30	3/8" - 5/8"	1ph / 20
RZASG71MV1		Outdoor	770 x 900 x 320	60			
FBA100A	10	Indoor	245 x 1400 x 800	46	50 / 30	3/8" - 5/8"	1ph / 25
RZASG100MV1		Outdoor	990 x 940 x 320	70			
FBA125A	12.5	Indoor	245 x 1400 x 800	46	50 / 30	3/8" - 5/8"	1ph / 32
RZASG125MV1		Outdoor	990 x 940 x 320	70			
FBA140A	14	Indoor	245 x 1400 x 800	46	50 / 30	3/8" - 5/8"	1ph / 32
RZASG140MV1		Outdoor	990 x 940 x 320	78			
FBA100A	10	Indoor	245 x 1400 x 800	46	50 / 30	3/8" - 5/8"	3ph / 16
RZASG100MY1		Outdoor	990 x 940 x 320	70			
FBA125A	12.5	Indoor	245 x 1400 x 800	46	50 / 30	3/8" - 5/8"	3ph / 16
RZASG125MY1		Outdoor	990 x 940 x 320	70			
FBA140A	14	Indoor	245 x 1400 x 800	46	50 / 30	3/8" - 5/8"	3ph / 16
RZASG140MY1		Outdoor	990 x 940 x 320	77			

R32 DUCTED (ACTIVE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FBA71A9	7.1	Indoor	245 x 1000 x 800	35	30 / 20	3/8" - 5/8"	1ph / 16
ARXM71R		Outdoor	734 x 954 x 401	49			
FBA100A	10	Indoor	245 x 1400 x 800	46	30 / 30	3/8" - 5/8"	1ph / 25
AZAS100MV1		Outdoor	990 x 940 x 320	72			
FBA125A	12.5	Indoor	245 x 1400 x 800	46	30 / 30	3/8" - 5/8"	1ph / 32
AZAS125MV1		Outdoor	990 x 940 x 320	72			
FBA140A	14	Indoor	245 x 1400 x 800	46	30 / 30	3/8" - 5/8"	1ph / 32
AZAS140MV1		Outdoor	990 x 940 x 320	79			
FBA100A	10	Indoor	245 x 1400 x 800	46	30 / 30	3/8" - 5/8"	3ph / 16
AZAS100MY1		Outdoor	990 x 940 x 320	72			
FBA125A	12.5	Indoor	245 x 1400 x 800	46	30 / 30	3/8" - 5/8"	3ph / 16
AZAS125MY1		Outdoor	990 x 940 x 320	72			
FBA140A	14	Indoor	245 x 1400 x 800	46	30 / 30	3/8" - 5/8"	3ph / 16
AZAS140MY1		Outdoor	990 x 940 x 320	79			

AIR CONDITIONING UNITS - DAIKIN

Floor

The floor-mounted range offers flexible and efficient climate control for various spaces. These compact units are easily installed against walls, providing quiet operation and effective heating and cooling.

They are ideal for rooms with limited ceiling space. Featuring energy-efficient technology and a discreet design, the units can be conveniently controlled via Daikin’s smart systems, ensuring enhanced comfort and flexibility in diverse environments.

FLOOR STANDING CASED (STANDARD INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FVXM25B	2.5	Indoor	600 x 750 x 238	17	20 / 15	1/4" - 3/8"	1ph / 13
RXM25A9		Outdoor	610 x 923 x 367	36			
FVXM35B	3.5	Indoor	600 x 750 x 238	17	20 / 15	1/4" - 3/8"	1ph / 13
RXM35A9		Outdoor	610 x 923 x 367	36			
FVXM50B	5	Indoor	600 x 750 x 238	17	30 / 20	1/4" - 1/2"	1ph / 13
RXM50A8		Outdoor	734 x 954 x 401	40			

FLOOR STANDING (ALPHA)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FVA71A	7.1	Indoor	1850 x 600 x 270	42	55 / 30	3/8" - 5/8"	1ph / 20
RZAG71NV1		Outdoor	870 x 1100 x 460	81			
FVA100A	10	Indoor	1850 x 600 x 350	50	85 / 30	3/8" - 5/8"	1ph / 32
RZAG100NV1		Outdoor	870 x 1100 x 460	85			
FVA125A	12.5	Indoor	1850 x 600 x 350	50	85 / 30	3/8" - 5/8"	1ph / 32
RZAG125NV1		Outdoor	870 x 1100 x 460	95			
FVA140A	14	Indoor	1850 x 600 x 350	50	85 / 30	3/8" - 5/8"	1ph / 32
RZAG140NV1		Outdoor	870 x 1100 x 460	95			
FVA71A	7.1	Indoor	1850 x 600 x 270	42	55 / 30	3/8" - 5/8"	3ph / 16
RZAG71NY1		Outdoor	870 x 1100 x 460	81			
FVA100A	10	Indoor	1850 x 600 x 350	50	85 / 30	3/8" - 5/8"	3ph / 16
RZAG100NY1		Outdoor	870 x 1100 x 460	85			
FVA125A	12.5	Indoor	1850 x 600 x 350	50	85 / 30	3/8" - 5/8"	3ph / 16
RZAG125NY1		Outdoor	870 x 1100 x 460	95			
FVA140A	14	Indoor	1850 x 600 x 350	50	85 / 30	3/8" - 5/8"	3ph / 16
RZAG140NY1		Outdoor	870 x 1100 x 460	95			

AIR CONDITIONING UNITS - DAIKIN

Floor

FLOOR STANDING (ADVANCE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FVA71A	7.1	Indoor	1850 x 600 x 270	42	50 / 30	3/8" - 5/8"	1ph / 20
RZASG71MV1		Outdoor	770 x 900 x 320	60			
FVA100A	10	Indoor	1850 x 600 x 350	50	50 / 30	3/8" - 5/8"	1ph / 25
RZASG100MV1		Outdoor	990 x 940 x 320	70			
FVA125A	12.5	Indoor	1850 x 600 x 350	50	50 / 30	3/8" - 5/8"	1ph / 32
RZASG125MV1		Outdoor	990 x 940 x 320	70			
FVA140A	14	Indoor	1850 x 600 x 350	50	50 / 30	3/8" - 5/8"	1ph / 32
RZASG140MV1		Outdoor	990 x 940 x 320	78			
FVA100A	10	Indoor	1850 x 600 x 350	50	50 / 30	3/8" - 5/8"	3ph / 16
RZASG100MY1		Outdoor	990 x 940 x 320	70			
FVA125A	12.5	Indoor	1850 x 600 x 350	50	50 / 30	3/8" - 5/8"	3ph / 16
RZASG125MY1		Outdoor	990 x 940 x 320	70			
FVA140A	14	Indoor	1850 x 600 x 350	50	50 / 30	3/8" - 5/8"	3ph / 16
RZASG140MY1		Outdoor	990 x 940 x 320	77			

FLOOR STANDING (ACTIVE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FVA100A	10	Indoor	1850 x 600 x 350	50	30 / 30	3/8" - 5/8"	1ph / 25
AZAS100MV1		Outdoor	990 x 940 x 320	72			
FVA125A	12.5	Indoor	1850 x 600 x 350	50	30 / 30	3/8" - 5/8"	1ph / 32
AZAS125MV1		Outdoor	990 x 940 x 320	72			
FVA140A	14	Indoor	1850 x 600 x 350	50	30 / 30	3/8" - 5/8"	1ph / 32
AZAS140MV1		Outdoor	990 x 940 x 320	79			
FVA100A	10	Indoor	1850 x 600 x 350	50	30 / 30	3/8" - 5/8"	3ph / 16
AZAS100MY1		Outdoor	990 x 940 x 320	72			
FVA125A	12.5	Indoor	1850 x 600 x 350	50	30 / 30	3/8" - 5/8"	3ph / 16
AZAS125MY1		Outdoor	990 x 940 x 320	72			
FVA140A	14	Indoor	1850 x 600 x 350	50	30 / 30	3/8" - 5/8"	3ph / 16
AZAS140MY1		Outdoor	990 x 940 x 320	79			

CONCEALED FLOOR STANDING (MINI SKY AIR)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FNA35A9	3.5	Indoor	620 x 790 x 200	23	50 / 30	1/4" - 3/8"	1ph / 16
RZAG35B		Outdoor	734 x 870 x 373	52			
FNA50A9	5	Indoor	620 x 1190 x 200	30	50 / 30	1/4" - 1/2"	1ph / 16
RZAG50B		Outdoor	734 x 870 x 373	52			
FNA60A9	6	Indoor	620 x 1190 x 200	30	50 / 30	1/4" - 1/2"	1ph / 20
RZAG60B		Outdoor	734 x 870 x 373	52			

CONCEALED FLOOR STANDING (STANDARD INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FNA25A9	2.5	Indoor	620 x 790 x 200	23	20 / 15	1/4" - 3/8"	1ph / 13
RXM25A9		Outdoor	610 x 923 x 367	36			
FNA35A9	3.5	Indoor	620 x 790 x 200	23	20 / 15	1/4" - 3/8"	1ph / 13
RXM35A9		Outdoor	610 x 923 x 367	36			
FNA50A9	5	Indoor	620 x 1190 x 200	30	30 / 20	1/4" - 1/2"	1ph / 13
RXM50A9		Outdoor	610 x 923 x 367	40			
FNA60A9	6	Indoor	620 x 1190 x 200	30	30 / 20	1/4" - 1/2"	1ph / 16
RXM60A		Outdoor	734 x 954 x 401	49			

AIR CONDITIONING UNITS - DAIKIN

Ceiling

Installed on the ceiling, these units are perfect for spaces where wall-mounted units are not feasible. They provide powerful airflow and uniform comfort across the room.

CEILING SUSPENDED (MINI SKY AIR)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FHA35A9	3.5	Indoor	235 x 960 x 690	24	50 / 30	1/4" - 3/8"	1ph / 16
RZAG35B		Outdoor	734 x 870 x 373	52			
FHA50A9	5	Indoor	235 x 960 x 690	25	50 / 30	1/4" - 1/2"	1ph / 16
RZAG50B		Outdoor	734 x 870 x 373	52			
FHA60A9	6	Indoor	235 x 1270 x 690	31	50 / 30	1/4" - 1/2"	1ph / 20
RZAG60B		Outdoor	734 x 870 x 373	52			

CEILING SUSPENDED (STANDARD INVERTER)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FHA35A9	3.5	Indoor	235 x 960 x 690	24	20 / 15	1/4" - 3/8"	1ph / 13
RXM35A9		Outdoor	610 x 923 x 367	36			
FHA50A9	5	Indoor	235 x 960 x 690	25	30 / 20	1/4" - 1/2"	1ph / 13
RXM50A9		Outdoor	610 x 923 x 367	40			
FHA60A9	6	Indoor	235 x 1270 x 690	31	30 / 20	1/4" - 1/2"	1ph / 16
RXM60A9		Outdoor	734 x 954 x 401	49			

CEILING SUSPENDED (ALPHA)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FHA71A9	7.1	Indoor	235 x 1270 x 690	32	55 / 30	3/8" - 5/8"	1ph / 20
RZAG71NV1		Outdoor	870 x 1100 x 460	81			
FHA100A	10	Indoor	235 x 1590 x 690	38	85 / 30	3/8" - 5/8"	1ph / 32
RZAG100NV1		Outdoor	870 x 1100 x 460	85			
FHA125A	12.5	Indoor	235 x 1590 x 690	38	85 / 30	3/8" - 5/8"	1ph / 32
RZAG125NV1		Outdoor	870 x 1100 x 460	85			
FHA140A	14	Indoor	235 x 1590 x 690	38	85 / 30	3/8" - 5/8"	1ph / 32
RZAG140NV1		Outdoor	870 x 1100 x 460	85			
FHA71A9	7.1	Indoor	235 x 1270 x 690	32	55 / 30	3/8" - 5/8"	3ph / 16
RZAG71NY1		Outdoor	870 x 1100 x 460	81			
FHA100A	10	Indoor	235 x 1590 x 690	38	85 / 30	3/8" - 5/8"	3ph / 16
RZAG100NY1		Outdoor	870 x 1100 x 460	85			
FHA125A	12.5	Indoor	235 x 1590 x 690	38	85 / 30	3/8" - 5/8"	3ph / 16
RZAG125NY1		Outdoor	870 x 1100 x 460	85			
FHA140A	14	Indoor	235 x 1590 x 690	38	85 / 30	3/8" - 5/8"	3ph / 16
RZAG140NY1		Outdoor	870 x 1100 x 460	85			

CEILING SUSPENDED (ADVANCE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FHA71A9	7.1	Indoor	235 x 1270 x 690	32	50 / 30	3/8" - 5/8"	1ph / 20
RZASG71MV1		Outdoor	770 x 900 x 320	60			
FHA100A	10	Indoor	235 x 1590 x 690	38	50 / 30	3/8" - 5/8"	1ph / 25
RZASG100MV1		Outdoor	990 x 940 x 320	70			
FHA125A	12.5	Indoor	235 x 1590 x 690	38	50 / 30	3/8" - 5/8"	1ph / 32
RZASG125MV1		Outdoor	990 x 940 x 320	70			
FHA140A	14	Indoor	235 x 1590 x 690	38	50 / 30	3/8" - 5/8"	1ph / 32
RZASG140MV1		Outdoor	990 x 940 x 320	78			
FHA100A	10	Indoor	235 x 1270 x 690	38	50 / 30	3/8" - 5/8"	3ph / 16
RZASG100MY1		Outdoor	990 x 940 x 320	70			
FHA125A	12.5	Indoor	235 x 1590 x 690	38	50 / 30	3/8" - 5/8"	3ph / 16
RZASG125MY1		Outdoor	990 x 940 x 320	70			
FHA140A	14	Indoor	235 x 1590 x 690	38	50 / 30	3/8" - 5/8"	3ph / 16
RZASG140MY1		Outdoor	990 x 940 x 320	77			

AIR CONDITIONING UNITS - DAIKIN

Ceiling

CEILING SUSPENDED (ACTIVE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FHA71A9	7.1	Indoor	235 x 1270 x 690	32	30 / 20	3/8" - 5/8"	1ph / 16
ARXM71A		Outdoor	734 x 954 x 401	49			
FHA100A	10	Indoor	235 x 1590 x 690	38	30 / 30	3/8" - 5/8"	1ph / 25
AZAS100MV1		Outdoor	990 x 940 x 320	72			
FHA125A	12.5	Indoor	235 x 1590 x 690	38	30 / 30	3/8" - 5/8"	1ph / 32
AZAS125MV1		Outdoor	990 x 940 x 320	72			
FHA140A	14	Indoor	235 x 1590 x 690	38	30 / 30	3/8" - 5/8"	1ph / 32
AZAS140MV1		Outdoor	990 x 940 x 320	79			
FHA100A	10	Indoor	235 x 1590 x 690	38	30 / 30	3/8" - 5/8"	3ph / 16
AZAS100MY1		Outdoor	990 x 940 x 320	72			
FHA125A	12.5	Indoor	235 x 1590 x 690	38	30 / 30	3/8" - 5/8"	3ph / 16
AZAS125MY1		Outdoor	990 x 940 x 320	72			
FHA140A	14	Indoor	235 x 1590 x 690	38	30 / 30	3/8" - 5/8"	3ph / 16
AZAS140MY1		Outdoor	990 x 940 x 320	79			

Daikin’s under-ceiling cassettes are perfect for rooms, shops, or offices that lack false ceilings. With three-step fan speed options, they offer versatile comfort. The Alphas model also features an EDP setting, making it ideal for cooling communication, computer, and server rooms.

UNDER CEILING CASSETTE (ALPHA)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FUA71A	7.1	Indoor	198 x 950 x 950	25	55 / 30	3/8" - 5/8"	1ph / 20
RZAG71NV1		Outdoor	870 x 1100 x 460	81			
FUA100A	10	Indoor	198 x 950 x 950	26	85 / 30	3/8" - 5/8"	1ph / 32
RZAG100NV1		Outdoor	870 x 1100 x 460	85			
FUA125A	12.5	Indoor	198 x 950 x 950	26	85 / 30	3/8" - 5/8"	1ph / 32
RZAG125NV1		Outdoor	870 x 1100 x 460	85			
FUA71A	7.1	Indoor	198 x 950 x 950	25	55 / 30	3/8" - 5/8"	3ph / 16
RZAG71NY1		Outdoor	870 x 1100 x 460	81			
FUA100A	10	Indoor	198 x 950 x 950	26	85 / 30	3/8" - 5/8"	3ph / 16
RZAG100NY1		Outdoor	870 x 1100 x 460	85			
FUA125A	12.5	Indoor	198 x 950 x 950	26	85 / 30	3/8" - 5/8"	3ph / 16
RZAG125NY1		Outdoor	870 x 1100 x 460	85			

UNDER CEILING CASSETTE (ACTIVE)

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
FUA71A	7.1	Indoor	198 x 950 x 950	25	50 / 30	3/8" - 5/8"	1ph / 20
RZASG71MV1		Outdoor	770 x 900 x 320	60			
FUA100A	10	Indoor	198 x 950 x 950	26	50 / 30	3/8" - 5/8"	1ph / 25
RZASG100MV1		Outdoor	990 x 940 x 320	70			
FUA125A	12.5	Indoor	198 x 950 x 950	26	50 / 30	3/8" - 5/8"	1ph / 32
RZAG125MV1		Outdoor	990 x 940 x 320	70			
FUA100A	10	Indoor	198 x 950 x 950	26	50 / 30	3/8" - 5/8"	3ph / 16
RZAG100MY1		Outdoor	990 x 940 x 320	70			
FHA125A	12.5	Indoor	198 x 950 x 950	26	50 / 30	3/8" - 5/8"	3ph / 16
RZAG125MY1		Outdoor	990 x 940 x 320	70			

AIR CONDITIONING UNITS - DAIKIN

Outdoor Units (Sky Air)

The Daikin outdoor units product range offers a variety of solutions designed to work seamlessly with their indoor units, providing efficient heating and cooling for both residential and commercial spaces. These units feature advanced inverter technology for optimal energy efficiency, robust performance, and quieter operation. Daikin's outdoor units are built for durability and reliability in all weather conditions, with options that include both compact and high-performance models to meet diverse climate control needs.

The range of outdoors within the range is listed below:

- **RXM** (Standard Inverter)
- **RXJ** (Emura)
- **RXA** (Stylish)
- **RXP** (Comfora)
- **RXF** (Sensira)
- **RXZ** (Ururu Sarara)

RXF35E

To help customers understand model differences, Daikin have introduced their A-Series for the R32 Sky Air range.
The three ranges focus on; Price, Performance and Efficiency.

- **ALPHA SERIES:**
  This Series is for those wanting to get ahead and take full advantage of all the technical benefits in order to meet all application requirements (Efficiency). Models within this range are: RZAG-B (Mini Sky Air) & RZAG-N.

- **ADVANCE SERIES:**
  The Series helps meet a set of broader application needs by offering more features and benefits. (Performance). Models within this range are: RZASG-M & RZA-D

- **ACTIVE SERIES:**
  The outdoor unit is rapidly effective and efficient, offering excellent value for money (Price). Models within this range are: ARXM-A & AZAS-M

RZASG100MV1

Multi-Splits

CTXF-F RANGE

The competitively priced CTXF-F Sensira range of indoor units with built-in wifi can **ONLY** be contacted with MXF multi-split outdoor units.

CTXF-F

		Indoor Unit		
		CTXF20F	CTXF25F	CTXF35F
Outdoor Unit	2MXF40A	●	●	●
	2MXF50A	●	●	●
	3MXF52A9	●	●	●
	3MXF68A9	●	●	●

Units		CTXF20F	CTXF25F	CTXF35F	2MXF40A	2MXF50A	3MXF52A9	3MXF68A9
Weight	kg	8	8	8.5	36	41	57	62
Dimensions H x W x D	mm	286 x 770 x 225	286 x 770 x 225	286 x 770 x 225	550 x 765 x 285	550 x 765 x 285	734 x 958 x 340	734 x 958 x 340
Pipework Liquid - Gas	Inch	N/A	N/A	N/A	1/4" - 3/8" x2	1/4" - 3/8" x2	1/4" - 3/8" x3	1/4" - 3/8" x3
Max Length to 1 unit	m				20	20	25	25
Max Total Length	m				30	30	50	50
Power Supply/Max Fuse	A				1ph / 16	1ph / 16	1ph / 16	1ph / 20

MXM RANGE

Multi Series R-32 Inverters offer the ability to connect up to five fan coils to one outdoor unit. With the MXM range it is possible to install indoor units throughout a house or small commercial premises and only use one outdoor unit. Each indoor unit will have its own controller and will be able to operate in heating and cooling modes.

MXM-A9

AIR CONDITIONING UNITS - DAIKIN

Outdoor Units (Sky Air)

HEATING AND COOLING

Connectable Indoor Units	Wall mounted																						Floor Standing				Roundflow cassette			Fully flat cassette				Concealed ceiling							Ceiling suspended			Concealed floor standing			
	FTXJ-AW/ S/B					C/FTXA-CW/S/B						C/FTXM-A(9)								FTXP-N9			C/FVXM-A9				FCAG-B			FFA-A9				FDXM-F9				FBA-A9			FHA-A9			FNA-A9			
	20	25	35	42	50	15	20	25	35	42	50	15	20	25	35	42	50	60	71	20	25	35	20	25	35	50	35	50	60	25	35	50	60	25	35	50	60	35	50	60	35	50	60	25	35	50	60
2MXM40A9	●	●	●			●	●	●	●			●	●	●	●					●	●	●	●	●	●									●	●												
2MXM50A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●				●	●	●		●	●	●											
2MXM68A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
3MXM40A9	●	●	●			●	●	●	●			●	●	●	●					●	●	●	●	●	●		●			●	●			●	●			●			●			●	●		
3MXM52A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●		●	●	●		●	●	●		●	●		●	●	●	●	●	●	
3MXM68A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM68A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM80A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXM90A9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Outdoor Units			2MXM40A9	2MXM50A9	2MXM68A9	3MXM40A9	3MXM52A9	3MXM68A9	4MXM68A9	4MXM80A9	5MXM90A9
Capacity	Nominal Cooling	kW	4.0	5.0	6.8	4.0	5.2	6.8	6.8	8.0	9.0
	Nominal Heating	kW	4.2	5.6	8.6	4.6	6.8	8.6	8.6	9.6	10.0
Dimensions	Height x Width x Depth	mm	552 x 852 x 350	552 x 852 x 350	734 x 974 x 408	734 x 974 x 408	734 x 974 x 408	734 x 974 x 408	734 x 974 x 408	734 x 974 x 408	734 x 974 x 408
Weight		kg	36	41	60	57	57	62	63	67	68
Electrical Details	Power Supply	Phase	1ph	1ph	1ph	1ph	1ph	1ph	1ph	1ph	1ph
		Hz	50	50	50	50	50	50	50	50	50
		V	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240
	Maximum Input Current (MCA)	A	9.8	12.94	16.94	14.31	14.59	17.19	17.36	17.04	21.70
	Max Fuse Size	A	16	16	20	16	20	20	20	25	32
Refrigerant Circuit	Refrigerant Type		R-32	R-32	R-32	R-32	R-32	R-32	R-32	R-32	R-32
	Refrigerant Charge	kg	0.88	1.15	2.00	1.80	1.80	2.00	2.00	2.40	2.40
Sound Pressure (Cooling)	Nom	dBA	46	48	48	46	46	48	48	48	52
Sound Power (Cooling)		dBA	60	60	61	59	59	61	61	61	64
Piping Limits	Max. Length (OU- IU)	m	20	20	25	25	25	25	25	25	25
	Max. Level Difference (IU- IU)	m	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Max. Level Difference (IU- OU)	m	15	15	15	15	15	15	15	15	15
	Total piping length (Actual)	m	30	30	50	50	50	50	60	70	75
Piping Connections	Liquid	inches (mm)	2x 1/4 (6.4)	2x 1/4 (6.4)	2x 1/4 (6.4)	3x 1/4 (6.4)	3x 1/4 (6.4)	3x 1/4 (6.4)	4x 1/4 (6.4)	4x 1/4 (6.4)	5x 1/4 (6.4)
	Gas	inches (mm)	2x 3/8 (9.5)	1x 3/8 (9.5)	1x 3/8 (9.5)	1x 3/8 (9.5)	1x 3/8 (9.5)	1x 3/8 (9.5)	2x 3/8 (9.5)	1x 3/8 (9.5)	2x 3.8 (9.5)
				1x 1/2 (12.7)	1x 1/2 (12.7)	2x 1/2 (12.7)	2x 1/2 (12.7)	2x 1/2 (12.7)	2x 1/2 (12.7)	1x 1/2 (12.7)	1x 1/2 (12.7)
										2x 5/8 (15.9)	2x 5/8 (15.9)
Operating range (Cooling)	Min / Max	°CDB	-10 / 46	-10 / 46	-10 / 46	-10 / 46	-10 / 46	-10 / 46	-10 / 46	-10 / 46	-10 / 46
Operating range (Heating)	Min / Max	°CWB	-15 / 18	-15 / 18	-15 / 18	-15 / 18	-15 / 18	-15 / 18	-15 / 18	-15 / 18	-15 / 18
Number of Connected Indoor Units			2	2	2	3	3	3	4	4	5
Air Flow Rate (Cooling)	Nom	m^3/min	33.0	34.0	42.5	42.0	42.0	42.5	42.5	45.2	49.0

SUPPORTING ACCESSORIES

SBS Code	Description
ACSBP550	Wall Bracket (90kg load & 550mm Arm)
ACCCT790	PVC Collection Tray Small (390 x 790mm)
ACCUGM	Condensing Unit Guard (1120 x 1120 x 640mm)
ACSBH550	Wall Bracket (140kg load & 550mm Arm)
ACCCT940	PVC Collection Tray Large (420 x 940mm)
ACCUGL	Condensing Unit Guard (1420 x 1120 x 640mm)
SFFX600	Rubber Foot with Strut (600 x 180 x 95mm)

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Full Daikin Price List

AIR CONDITIONING UNITS - DAIKIN

VRV

A VRV unit (Variable Refrigerant Volume) is a type of HVAC (Heating, Ventilation, and Air Conditioning) system that uses variable refrigerant flow technology to provide both heating and cooling for commercial and residential buildings. It’s a flexible and energy-efficient system that can control the temperature in multiple zones or rooms independently.

KEY FEATURES INCLUDE:

1. **Variable Refrigerant Flow (VRF)**
2. **Multiple Indoor Units**
3. **Energy Efficiency**
4. **Flexibility**
5. **Environmentally Friendly**

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Your Enquiry

VRV 5 (R32)

The Daikin VRV 5 range, using R32 refrigerant, is an advanced, energy-efficient HVAC system suitable for both residential and commercial applications. It features environmentally friendly R32 refrigerant, which has a lower global warming potential (GWP) than R410A, along with inverter-driven compressors and advanced technologies that enhance performance and energy savings. The system supports various indoor units and configurations, offering flexible installation and customisable comfort for different spaces. Its VRV technology allows simultaneous heating and cooling in different zones, optimising comfort, while smart controls enable remote management and monitoring, making the VRV 5 a highly efficient and adaptable solution for climate control.

TOP SUSTAINABILITY:

- Reduced CO_2 equivalent thanks to the use of R32 refrigerant (lower GWP)
- 15% less refrigerant charge
- Top sustainability over the entire lifecycle

BUILDING FOR THE FUTURE

- A wide range able to handle complex configurations
- Maximum flexibility
- True continuous heating during defrost (for REYA-A system)
- Fully compliant with the latest product standard
- Third-party CB certified by a Notified Body

AUTOMATIC AND REAL-TIME LEAK DETECTION, ALARM AND REFRIGERANT RECOVERY

- Shîrudo technology minimises the risk of direct CO_2 eq. impact from a refrigerant leak.
- The system is continuously self-monitoring, immediate detection of refrigerant leak

For more information or details on the capable indoor units, send your request to: **ac-tech@sbs.co.uk**

VRV 5 CONDENSING UNITS (HEAT RECOVERY SINGLE MODULES)

SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Power Supply/Max Fuse (A)	Max Total Length (m)	Pipework Liquid - Gas (Inch)
REYA8A	8	1685 x 930 x 765	213	3ph / 20	1000	3/8" - 3/4"
REYA10A	10	1685 x 930 x 765	213	3ph / 25	1000	3/8" - 3/4"
REYA12A	12	1685 x 930 x 765	213	3ph / 32	1000	1/2" - 7/8"
REYA14A	14	1685 x 1240 x 765	296	3ph / 32	1000	1/2" - 7/8"
REYA16A	16	1685 x 1240 x 765	296	3ph / 40	1000	1/2" - 7/8"
REYA18A	18	1685 x 1240 x 765	319	3ph / 40	1000	1/2" - 7/8"
REYA20A	20	1685 x 1240 x 765	319	3ph / 50	1000	1/2" - 1 1/8"

VRV 5 S-SERIES (MINI VRV)

SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Phase	Max Total Length (m)	Pipework Liquid - Gas (Inch)
RXYSA4AV1	4	869 x 1100 x 460	102	1ph	300	3/8" - 5/8"
RXYSA4AY1	4	869 x 1100 x 460	102	3ph	300	3/8" - 5/8"
RXYSA5AV1	5	869 x 1100 x 460	102	1ph	300	3/8" - 5/8"
RXYSA5AY1	5	869 x 1100 x 460	102	3ph	300	3/8" - 5/8"
RXYSA6AV1	6	869 x 1100 x 460	102	1ph	300	3/8" - 5/8"
RXYSA6AY1	6	869 x 1100 x 460	102	3ph	300	3/8" - 5/8"

Please note: These are not the only VRV 5 units available through Daikin, other models and capacities are available that Smith Brothers can easily source. It is what we have coded and either stock or quote on a regular basis.

AIR CONDITIONING UNITS - DAIKIN

VRV

VRV IV (R410A)

The range is a versatile and energy-efficient system designed for both residential and commercial applications. Using the R410A refrigerant, it provides several advantages:

EFFICIENCY:
The VRV IV system offers excellent energy efficiency due to advanced technology such as inverter-driven compressors and heat recovery options. This helps to reduce operational costs while maintaining high performance.

FLEXIBLE CONFIGURATION:
The VRV IV allows for various configurations to suit different building layouts, including both heating and cooling in multiple zones simultaneously. It can support a wide variety of indoor units (e.g., wall-mounted, ducted, and ceiling cassettes).

INTELLIGENT CONTROL:
The system integrates with advanced controls, offering remote management and smart thermostats for enhanced user experience and operational flexibility.

COMPACT AND QUIET:
The VRV IV units are compact, making them suitable for both large and smaller spaces, and operate quietly, ensuring minimal disruption in the environment.

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For more information or details on the capable indoor units, send your request to: **ac-tech@sbs.co.uk**

VRV IV S-SERIES LOW HEIGHT COMPACT (MINI VRV)

SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Power Supply/Max Fuse (A)	Total Piping Length/Max Rise (m)	Pipework Liquid - Gas (Inch)
RXYSCQ4TV1	4	823 x 940 x 460	89	1ph / 32	300 / 30	3/8" - 5/8"
RXYSCQ5TV1	5	823 x 940 x 460	89	1ph / 32	300 / 30	3/8" - 5/8"
RXYSCQ6TV1	6	823 x 940 x 460	89	1ph / 32	300 / 30	3/8" - 3/4"

VRV IV S-SERIES (STANDARD MINI VRV)

SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Power Supply/Max Fuse (A)	Max Length (m)	Pipework Liquid - Gas (Inch)
RXYSQ4TV9	4	1345 x 900 x 320	104	1ph / 32	300	3/8" - 5/8"
RXYSQ5TV9	5	1345 x 900 x 320	104	1ph / 32	300	3/8" - 5/8"
RXYSQ6TV9	6	1345 x 900 x 320	104	1ph / 32	300	3/8" - 3/4"
RXYSQ6TY9	6	1345 x 900 x 320	104	3ph / 16	300	3/8" - 3/4"

VRV IV S-SERIES (HIGH CAPACITY MINI VRV)

SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Power Supply/Max Fuse (A)	Max Length (m)	Pipework Liquid - Gas (Inch)
RXYSQ8TY1	8	1430 x 940 x 320	144	3ph / 25	300	3/8" - 3/4"
RXYSQ10TY1	10	1615 x 940 x 460	175	3ph / 25	300	3/8" - 7/8"
RXYSQ12TY1	12	1615 x 940 x 460	180	3ph / 32	300	1/2" - 1 1/8"

Please note: These are not the only VRV IV units available through Daikin, other models and capacities are available that Smith Brothers can easily source. It is what we have coded and either stock or quote on a regular basis.

AIR CONDITIONING UNITS - DAIKIN

VRV

VRV IV+ HEAT PUMP (WITH CONTINUOUS HEATING)

SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Power Supply/Max Fuse (A)	Max Length (m)	Pipework Liquid - Gas (Inch)
RYYQ8U	8	1685 x 930 x 765	252	3ph / 20	165	3/8" - 3/4"
RYYQ10U	10	1685 x 930 x 765	252	3ph / 25	165	3/8" - 7/8"
RYYQ12U	12	1685 x 930 x 765	252	3ph / 32	165	1/2" - 1 1/8"
RYYQ14U	14	1685 x 1240 x 765	319	3ph / 32	165	1/2" - 1 1/8"
RYYQ16U	16	1685 x 1240 x 765	319	3ph / 40	165	1/2" - 1 1/8"
RYYQ18U	18	1685 x 1240 x 765	378	3ph / 40	165	5/8" - 1 1/8"
RYYQ20U	20	1685 x 1240 x 765	378	3ph / 50	165	5/8" - 1 1/8"

VRV IV+ HEAT PUMP (NON CONTINUOUS HEATING)

SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Power Supply/Max Fuse (A)	Max Length (m)	Pipework Liquid - Gas (Inch)
RXYQ10U	10	1685 x 930 x 765	198	3ph / 25	165	3/8" - 7/8"
RXYQ12U	12	1685 x 930 x 765	198	3ph / 32	165	1/2" - 1 1/8"
RXYQ14U	14	1685 x 1240 x 765	275	3ph / 32	165	1/2" - 1 1/8"
RXYQ18U	18	1685 x 1240 x 765	308	3ph / 40	165	5/8" - 1 1/8"

VRV IV+ CONDENSING UNITS (HEAT RECOVERY)

SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Power Supply/Max Fuse (A)	Max Total Length (m)	Pipework Liquid - Discharge - Gas (Inch)
REYQ8U	8	1685 x 930 x 765	230	3 ph / 20	1000	3/8" - 5/8" - 3/4"
REYQ10U	10	1685 x 930 x 765	230	3 ph / 25	1000	3/8" - 3/4" - 7/8"
REYQ12U	12	1685 x 930 x 765	230	3 ph / 32	1000	1/2" - 3/4" - 1 1/8"
REYQ14U	14	1685 x 1240 x 765	314	3 ph / 32	1000	1/2" - 7/8" - 1 1/8"
REYQ16U	16	1685 x 1240 x 765	314	3 ph / 40	1000	1/2" - 7/8" - 1 1/8"
REYQ18U	18	1685 x 1240 x 765	317	3 ph / 40	1000	5/8" - 7/8" - 1 1/8"
REYQ20U	20	1685 x 1240 x 765	317	3 ph / 50	1000	5/8" - 1 1/8" - 1 1/8"

VRV IV-Q CONDENSING UNIT (HEAT PUMP)

SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Power Supply/Max Fuse (A)	Max Length/Rise (m)	Pipework Liquid - Gas (Inch)
RXYQQ8U	8	1685 x 930 x 765	198	3ph / 20	120 / 50	3/8" - 3/4"
RXYQQ10U	10	1685 x 930 x 765	198	3ph / 25	120 / 50	3/8" - 7/8"
RXYQQ12U	12	1685 x 930 x 765	198	3ph / 32	120 / 50	1/2" - 1 1/8"
RXYQQ14U	14	1685 x 1240 x 765	275	3ph / 32	120 / 50	1/2" - 1 1/8"
RXYQQ16U	16	1685 x 1240 x 765	275	3ph / 40	120 / 50	1/2" - 1 1/8"
RXYQQ18U	18	1685 x 1240 x 765	308	3ph / 40	120 / 50	5/8" - 1 1/8"
RXYQQ20U	20	1685 x 1240 x 765	308	3ph / 50	120 / 50	5/8" - 1 1/8"

VRV IV W+ WATER COOLED CONDENSING UNITS

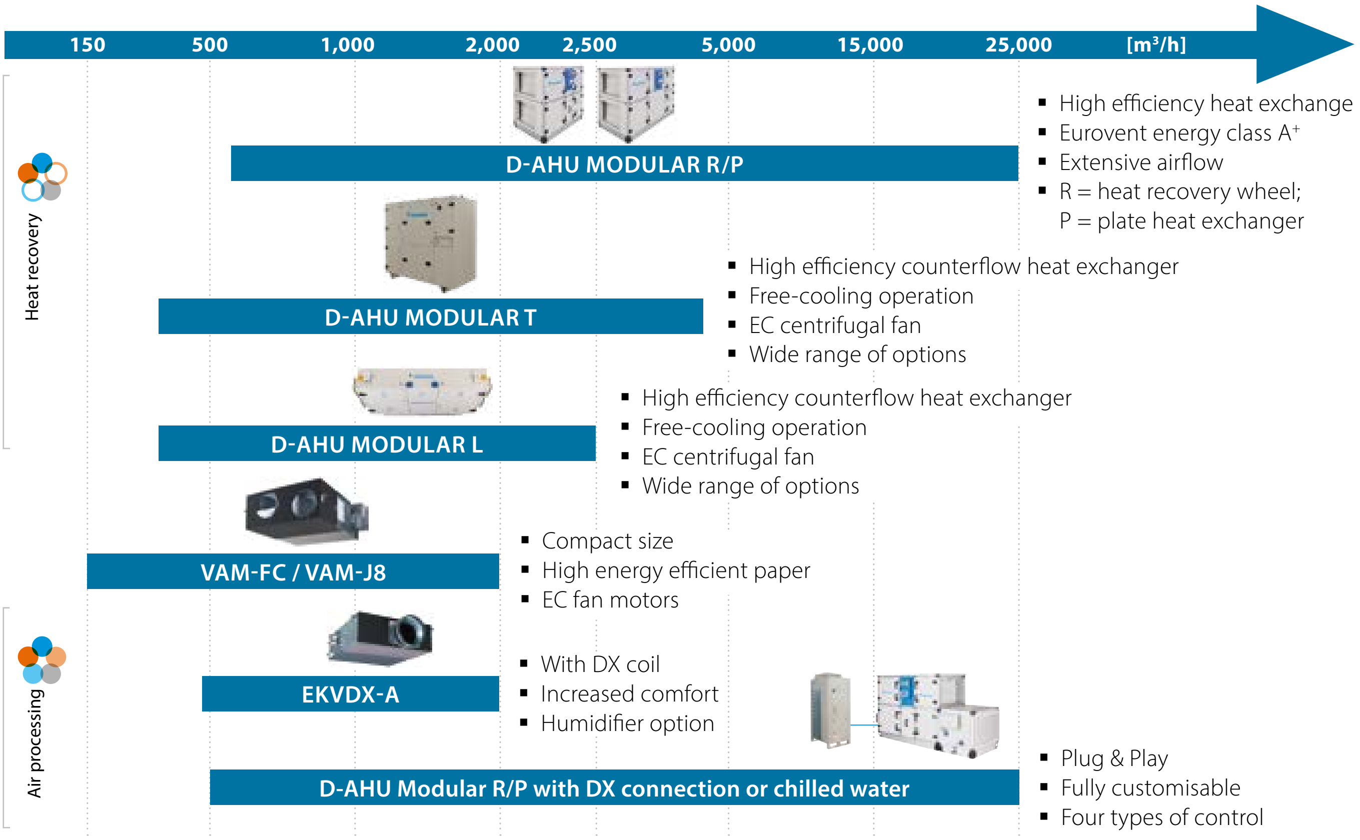
SBS Code (MPN)	HP	Dimensions H x W x D (mm)	Weight (kg)	Power Supply/Max Fuse (A)	Max Length/Rise outdoor above IU (m)
RWEYQ8T9	8	980 x 767 x 560	185	3ph / 25	165 / 50
RWEYQ10T9	10	980 x 767 x 560	185	3ph / 25	165 / 50
RWEYQ12T9	12	980 x 767 x 560	185	3ph / 25	165 / 50
RWEYQ14T9	14	980 x 767 x 560	185	3ph / 25	165 / 50

Please note: These are not the only VRV IV units available through Daikin, other models and capacities are available that Smith Brothers can easily source. It is what we have coded and either stock or quote on a regular basis.

AIR CONDITIONING UNITS - DAIKIN
Ventilation (AHU's & VAM units)

Daikin offers a variety of solutions, from small heat recovery ventilation to large-scale air handling units. Their solutions provide fresh air ventilation to homes or commercial outlets such as offices, hotels, stores and more. Proper ventilation is a key component of climate control in buildings and part of EU requirements. Daikin's heat recovery units can recover both sensible and latent heat, substantially reducing the air conditioning load by up to 40%. The range starts from as low as 150 m³/h to 2,000 m³/h (VAM) and goes up to 25,000 m³/h (Modular AHU).

Daikin offers a range of R-410A inverter condensing units to be used in combination with Daikin AHUs for ultimate control over the fresh air. There are four control possibilities when combining AHU and Daikin outdoor units hence offering all the required flexibility for any installation. Indoor units can be combined with the same outdoor unit to reduce the installation costs. For false-ceiling installations where space is a constraint, the VKM can fit perfectly to deliver fresh air at a comfortable temperature and it has an optional humidification element.



- High efficiency heat exchange
- Eurovent energy class A⁺
- Extensive airflow
- R = heat recovery wheel;
  P = plate heat exchanger

- High efficiency counterflow heat exchanger
- Free-cooling operation
- EC centrifugal fan
- Wide range of options

- High efficiency counterflow heat exchanger
- Free-cooling operation
- EC centrifugal fan
- Wide range of options

- Compact size
- High energy efficient paper
- EC fan motors

- With DX coil
- Increased comfort
- Humidifier option

- Plug & Play
- Fully customisable
- Four types of control

Modular L
- Pre-configured sizes
- Plug & Play concept
- EC Fan technology
- High efficiency aluminium counterflow plate heat exchanger
- Low height unit
- For false ceiling applications

Modular T
- Pre-configured sizes
- Plug & Play concept
- EC Fan technology
- High efficiency aluminium counterflow plate heat exchanger
- Compact floor standing unit

Modular R/P
- Pre-configured sizes
- Plug & Play concept
- EC Fan technology
- Mod R - Heat recovery wheel (sorption and sensible technology)
- Mod P – High-efficiency aluminium counterflow plate heat exchanger
- Compact design

VAM-FC/J8
VAM-FC/J utilise paper heat exchangers to exchange heat energy. This can be in the form of sensible and latent capacity. Suitable for the majority of fresh air applications. Efficiencies in excess of 80% according to the JIS standard.

AIR CONDITIONING UNITS - DAIKIN

Chillers

The Daikin Chillers offer advanced, energy-efficient cooling solutions for large-scale applications, providing reliable performance for cooling systems, integrating seamlessly with HVAC setups to deliver optimal comfort and efficiency.

KEY FEATURES INCLUDE:

1. **Variety of Types:** Daikin offers air-cooled and water-cooled chillers to suit different installation environments and cooling requirements.
2. **Energy Efficiency:** With inverter technology and high-efficiency compressors, Daikin chillers reduce energy consumption while maintaining top-tier performance.
3. **Advanced Controls:** Integrated smart controls and remote monitoring options ensure easy operation, efficient energy management, and enhanced system performance.
4. **Flexible Solutions:** Suitable for a wide range of applications, including office buildings, industrial facilities, and district cooling systems.
5. **Environmentally Friendly:** Designed with eco-friendly refrigerants and low environmental impact, Daikin chillers prioritise sustainability.

Overall, Daikin chillers deliver cutting-edge, reliable, and efficient cooling solutions that are tailored to meet the needs of modern, large-scale cooling applications.

Daikin is the world’s first company to introduce an air cooled scroll chiller series with R-32 refrigerant

AIR CONDITIONING UNITS - DAIKIN

Controls & Spares

Controls

The Daikin Control Panels offer intuitive, efficient solutions for managing HVAC systems with ease, providing seamless integration and precise control over indoor climate conditions. Designed to optimise system performance and energy efficiency, Daikin control panels are ideal for both residential and commercial applications.

KEY FEATURES INCLUDE:

1. **User-Friendly Interface:** Simple and intuitive controls that make it easy to manage temperature, humidity, and air quality settings.
2. **Smart Integration:** Compatible with Daikin's advanced HVAC systems, allowing for centralised control and remote access via smartphones or web applications.
3. **Energy Efficiency:** Helps optimise energy use by providing real-time monitoring and adjustments, ensuring cost-effective operation.
4. **Customisable Settings:** Flexible programming options allow users to tailor settings to specific needs, ensuring maximum comfort and efficiency.
5. **Advanced Diagnostics:** Built-in diagnostics and system alerts for quick identification of potential issues, enhancing system reliability and reducing downtime.

BRC1H52W

Daikin Control Panels provide an efficient, user-friendly way to manage HVAC systems, offering enhanced comfort, energy savings, and easy integration for any environment.

Spares

Smith Brothers offers genuine Daikin spares and replacement parts designed to maintain the performance and longevity of their air conditioning systems. From filters and remote controls to compressors and fan motors, Daikin spares are engineered to meet the brand's strict standards for reliability and efficiency. Available for a wide variety of models, these parts ensure optimal functionality, helping to extend the lifespan of units while providing customers with peace of mind.

The fault code table can be useful to help identify the spares needed and providing orders are placed in time, next day delivery is possible.

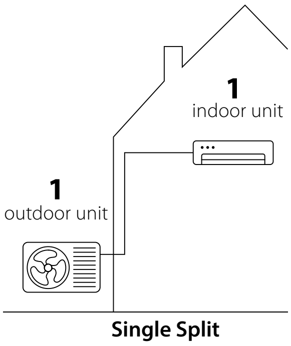
OVER 13,000
Genuine Daikin Spares
available to order

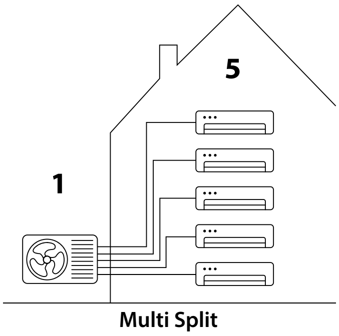
E: **rac@sbs.co.uk**

DAIKIN

Small to medium commercial applications

Daikin's market leading split units are designed with quality and efficiency in mind, providing both heating and cooling to ensure comfort all year round.





Medium to large commercial applications

Sky Air *A-series*

Specifications to suit your individual needs.

The Sky Air A-series with ultra-efficient R-32 technology, available in three models:

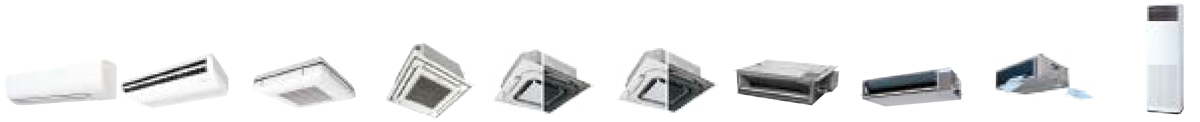
Alpha, Advance and Active.

With over 45 different indoor unit models.

Sky Air *Alpha-series*

Sky Air *Advance-series*

Sky Air *Active-series*



	Wall Mounted	Ceiling Suspended	Under Ceiling Cassette	Fully Flat	Roundflow Cassette	High COP Cassette	Slim Duct	Ducted	High Static Duct	Floor Standing
Alpha	✓	✓	✓ (RZAG-N only)	✓	✓	✓ (RZAG-N only)	✓	✓	✓ (RZAG-N only)	✓ (RZAG-N only)
Advance	✓	✓	✓	✓	✓		✓	✓	✓	✓
Active	✓	✓			✓			✓		✓ (AZAS-M only)

D-carbonise *with* **Daikin**

VRV 5

Large commercial applications

Leading the way into decarbonising the HVAC industry

VRV 5 *S-series*

VRV 5 *Heat Recovery*

VRV 5 *Heat Pump*

Top sustainability

- Contains latest green R-32 refrigerant
- 15% less refrigerant charge
- Top sustainability over the entire lifecycle, thanks to market-leading real-life seasonal efficiency

Building for the future

- Leak detection built in to give easy and fast install
- Complete range of R-32 mini and maxi VRV heat pumps and heat recovery now available
- The best partner for your BREEAM or LEED project thanks to lower GWP refrigerant

Maximum flexibility out of the box

- With Shîrudo technology, your VRV5 system takes care of small room applications in your building, no additional leak detection required*
- Fully compliant with the latest product standard IEC60335-2-40 (Ed.7) which has been 3rd party certified

Widest range of R-32 VRV indoor and outdoor units

Automatic and real-time leak detection, alarm and refrigerant recovery

Daikin App

Lower CO2 equivalents

Industry-leading real life efficiencies

SHÎRUDO TECHNOLOGY

Flexibility to take care of every room

SCAN ME

Price List

* Compliance check with EN378 needed on a site by site basis

AIR CONDITIONING UNITS - MIDEA

Cassettes

Midea provides intelligent indoor climate control solutions for commercial applications, offering efficient systems for heating, cooling, hot water, and air purification. Their split range includes versatile options such as wall-mounted, ducted, cassette, and ceiling & floor mounted units, designed to meet diverse needs and ensure optimal comfort and performance in any commercial setting.

BREEZELESS+ ROUNDFLOW CASSETTE

The super slim Midea Breezeless+ cassettes have low heights starting from just 205mm, allowing for easy installation in shallow ceilings. The new cassette allows optimum comfort to be achieved, tailored to each unique user’s preference via various modes; Air Blast, Gentle Flow and Power Breezeless mode.

- **BREEZELESS+ EFFECT**
- **360° AIRFLOW OUTLET**
- **‘FOLLOW ME’ SENSITIVE COOLING**
- **FRESH AIR INLET & DRAIN PUMP**
- **LED FASCIA DISPLAY**
- **INDEPENDENT VANE CONTROL**
- **SUPER SLIM DESIGN**
- **TWIN COMBINATIONS**

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
MIDMCD124HRFNXGA18	5	Indoor	205 x830 x 830	21.6	30 / 20	1/4" - 1/2"	1ph / 16
MIDMOX330U18HFN8QGA		Outdoor	554 x 805 x 330	32.5			
MIDMCD124HRFNXGA	7	Indoor	205 x830 x 830	21.6	50 / 25	3/8" - 5/8"	1ph / 20
MIDMOX430U24HFN8QGA		Outdoor	673 x 890 x 342	43.9			
MIDMCD136HRFN8GA	10	Indoor	245 x 830 x 830	27.2	75 / 30	3/8" - 5/8"	1ph / 32
MIDMOD30U36HFN8QGA		Outdoor	810 x 946 x 410	66.9			
MIDMCD136HRFNXGA30	10	Indoor	245 x 830 x 830	27.2	75 / 30	3/8" - 5/8"	3ph / 16
MIDMOD30U36HFN8RGA		Outdoor	810 x 946 x 410	80.5			
MIDMCD142HRFNXGA	12	Indoor	287 x 830 x 830	29.3	75 / 30	3/8" - 5/8"	1ph / 32
MIDMOD30U42HFN8QGA		Outdoor	810 x 946 x 410	71			
MIDMCD148HRFNXGA	14	Indoor	287 x 830 x 830	29.3	75 / 30	3/8" - 5/8"	1ph / 32
MIDMOE30U48HFN8QGA		Outdoor	1333 x 952 x 415	91.5			
MIDMCD148HRFNXGA	14	Indoor	287 x 830 x 830	29.3	75 / 30	3/8" - 5/8"	3ph / 16
MIDMOE30U48HFN8RGA		Outdoor	1333 x 952 x 415	103.7			
MIDMCD155HRFNXGA	17	Indoor	287 x 830 x 830	29.3	75 / 30	3/8" - 5/8"	3ph / 16
MIDMOE30U55HFN8RGA		Outdoor	1333 x 952 x 415	107			

BREEZELESS+ COMPACT ROUND FLOW CASSETTE

The Midea Breezeless+ Compact Roundflow Cassette is the perfect solution for commercial, office or retail spaces. It features a 360° air outlet which provides even airflow circulation to cool or heat every corner of a room and keep a constant temperature.

- **HIGH ENERGY EFFICIENCY (UP TO SEER 6.8/SCOP 4.1)**
- **BREEZELESS+ EFFECT**
- **360° AIRFLOW OUTLET**
- **I-ECO DASHBOARD**
- **ADJUSTABLE VANE & LONG AIRFLOW**
- **SELF-CLEANING OUTDOOR UNIT**
- **TWIN, TRIPLE, DOUBLE-TWIN COMBINATIONS**
- **SMARTHOME APP**
- **LED FASCIA DISPLAY**

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
MIDMCA4U12HRFNXGA	3.5	Indoor	245 x 570 x 570	16.1	25 / 10	1/4" - 3/8"	1ph / 16
MIDMOX23012HFN8QGA		Outdoor	555 x 765 x 303	26.6			
MIDMCA4U18HRFNXGAM	5	Indoor	245 x 570 x 570	16.2	30 / 20	1/4" - 1/2"	1ph / 16
MIDMOX330U18HFN8QGA		Outdoor	554 x 805 x 330	32.5			

AIR CONDITIONING UNITS - MIDEA

Splits

AG ECO (WALL MOUNTED)

Midea's AG Eco wall mounted range is highly efficient (SEER A++) and ideal for heating and cooling spaces in homes or offices. Available from 2kW to 8kW, the range has a unique design and the latest inverter technology for an easy and economical set-up and operation at an affordable price.

- **SLEEK AND ELEGANT DESIGN**
- **3D AIR FLOW WITH VERTICAL & HORIZONTAL SWING**
- **TURBO FUNCTION**
- **'FOLLOW ME' SENSITIVE COOLING**
- **OPTIONAL MULTI-FUNCTION CONTROL BOARD**
- **WI-FI CONTROL**

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
MIDAG2ECO09NXD0IU	2.5	Indoor	291 x 726 x 210	8	25 / 10	1/4" - 3/8"	1ph / 16
MIDAG2ECO09N8D0OU		Outdoor	495 x 720 x 270	23.5			
MIDAG2ECO12NXD0IU	3.5	Indoor	295 x 835 x 208	8.7	25 / 10	1/4" - 3/8"	1ph / 16
MIDAG2ECO12N8D0OU		Outdoor	495 x 720 x 270	23.7			
MIDAG2ECO18NXD0IU	5	Indoor	320 x 969 x 241	11.2	30 / 20	1/4" - 1/2"	1ph / 16
MIDAG2ECO18N8D0OU		Outdoor	554 x 874 x 330	33.5			
MIDAG2ECO24NXD0IU	7	Indoor	336 x 1083 x 244	13.6	50 / 25	3/8" - 5/8"	1ph / 20
MIDAG2ECO24N8D0OU		Outdoor	673 x 955 x 342	43.9			

BREEZELESS E (WALL MOUNTED)

The highly efficient i-Cube Breezeless E wall mounted units feature the 'i-Eco dashboard' so users can see the energy consumption data of the systems on their Smarthome App. The units also benefit from a rapid cooling and heating function which cools or heats a room in just 10 minutes. When the 'Follow Me' feature is activated, the remote acts as the thermostat, helping to further extend the units range and adjust comfort levels accordingly.

- **RAPID COOLING & HEATING**
- **I-COMFORT MODES (BREEZELESS & BREEZEAWAY)**
- **I-HEALTH UV LAMP**
- **I-ECO DASHBOARD**
- **OPTIONAL MULTI-FUNCTIONING BOARD**
- **BUILT IN WI-FI**

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
MIDCB109HRFN8I	2.5	Indoor	299 x 812 x 199	9.1	25 / 10	1/4" - 3/8"	1ph / 16
MIDCB109HFNXO		Outdoor	495 x 720 x 270	22.7			
MIDCB112HRFN8I	3.5	Indoor	299 x 812 x 199	9.3	25 / 10	1/4" - 3/8"	1ph / 16
MIDCB112HFNXO		Outdoor	495 x 720 x 270	22.9			
MIDCB118HRFN8-I	5	Indoor	320 x 968 x 225	12.3	30 / 20	1/4" - 1/2"	1ph / 16
MIDCB118HFNXO		Outdoor	554 x 805 x 330	32.3			
MIDCB124HRFN8-I	7	Indoor	238 x 1030 x 338	14.26	50 / 25	3/8" - 5/8"	1ph / 20
MIDCB124HFNXO		Outdoor	673 x 890 x 342	41.91			

PENROSE XT (WALL MOUNTED)

Available from 2.6kW to 5.5kW, the Midea Penrose XT wall mounted series achieves market leading energy efficiency with a SEER of 8.8 (A+++) and SCOP of 4.6 (A++). The stylish units, with attractive mirror finish provide complete cooling for the whole room.

- **COMPLETE COOLING FOR THE WHOLE ROOM**
- **FLASH HEATING**
- **VERTICAL HEATING FLOW**
- **LOW NOISE OPERATION (DOWN TO 19DB (A))**
- **HEALTHY ENVIRONMENT**
- **ENERGY SAVINGS**

SBS Code (MPN)	Output (kW)	Unit	Dimensions H x W x D (mm)	Weight (kg)	Outdoor Unit		
					Max Length/Rise (m)	Pipework Liquid - Gas (Inch)	Power Supply/Max Fuse (A)
MIDMSXTBU-09HRFN8	2.5	Indoor	321 x 920 x 211	11.3	25 / 10	1/4" - 3/8"	1ph / 16
MIDMOX230-09HFN8		Outdoor	555 x 765 x 303	26.4			
MIDMSXTBU-12HRFN8	3.5	Indoor	321 x 920 x 211	11.3	25 / 10	1/4" - 3/8"	1ph / 16
MIDMOX230-12HFN8		Outdoor	555 x 765 x 303	26.4			
MIDMSXTBU-18HRFN8	5	Indoor	321 x 920 x 211	11.3	30 / 20	1/4" - 1/2"	1ph / 16
MIDMOX301-18HFN8		Outdoor	554 x 805 x 330	33.5			

AIR CONDITIONING UNITS - MIDEA

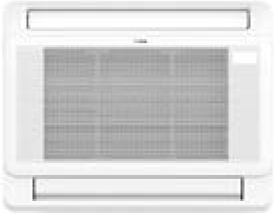
Console Units & Ducted

CEILING & FLOOR

This stylish range of Midea units can be installed either horizontally on the ceiling or vertically against the wall. Perfect for spaces which do not have suspended ceilings the units feature ‘3D air flow’, which supplies an even and comfortable airflow.

- **3D AIRFLOW**
- **FRESH AIR INLET**
- **VERTICAL OR HORIZONTAL INSTALLATION**
- **LED DISPLAY**
- **TWIN COMBINATIONS**
- **REMOTE SIGNAL**
- **AUTO RESTART**
- **EASY MAINTENANCE & SERVICE**
- **SMARTHOME APP**

SBS Code	Unit	Phase	Output (kW)
MIDMUEU18HRFNXGA	Indoor	1	5
MIDMOX330U18HFN8QGA	Outdoor		
MIDMUE24HRFNXGA	Indoor	1	7
MIDMOX430U24HFN8QGA	Outdoor		
MIDMUE36HRFNXGA	Indoor	1	10
MIDMOD30U36HFN8QGA	Outdoor		
MIDMUE36HRFNXGA30	Indoor	3	10
MIDMOD30U36HFN8RGA	Outdoor		
MIDMUE48HRFNXGA42	Indoor	1	12
MIDMOD30U42HFN8QGA	Outdoor		
MIDMUE48HRFNXGA	Indoor	3	14
MIDMOE30U48HFN8RGA	Outdoor		
MIDMUE55HRFNXGA	Indoor	3	17
MIDMOE30U55HFN8RGA	Outdoor		



CONSOLE UNITS

Simple, stylish, and compact, Midea console units fit into any interior. The units are designed to be installed on the floor or lower wall depending on your requirements. The units have an easy-to-remove front panel which provides easy access to filters, refrigerant pipes and electrical connections.

- **ELEGANT DESIGN**
- **EFFICIENT COOLING & HEATING**
- **QUIETER OPERATION**
- **AIR QUALITY**
- **3D AIRFLOW**
- **SMARTHOME APP**
- **EASY INSTALLATION & MAINTENANCE**
- **REMOTE CONTROL TEMPERATURE SENSOR**

SBS Code	Unit	Output (kW)
MIDMFA2U12HRFNXGA	Indoor	3.5
MIDMOX23012HFN8QGA	Outdoor	
MIDMFA2U17HRFNXGA	Indoor	5
MIDMOX330U18HFN8QGA	Outdoor	

A6 DUCTED

With its compact design, the Midea A6 Ducted range can be easily mounted in a ceiling void in a commercial office or retail space and offers flexible control and easy maintenance.

- **FLEXIBLE AIR INTAKE POSITION**
- **BUILT-IN DRAIN PUMP**
- **MULTI-CHANNEL AIR FLOW DISTRIBUTION**
- **VERTICAL MOUNTING**
- **LED CHASSIS MOUNTED DISPLAY**
- **FRESH AIR INLET**
- **FLEXIBLE CONTROL & EASY MAINTENANCE**
- **TWIN COMBINATIONS**
- **REMOTE SIGNAL**
- **SMARTHOME APP**

AIR CONDITIONING UNITS - MIDEA

Outdoor Units

The Midea product range of outdoor units offers a variety of solutions designed to work seamlessly with their indoor units, providing efficient heating and cooling for both residential and commercial spaces. These units feature advanced technology for optimal efficiency, robust performance, and quieter operation. Units are built with durability and reliability in mind, regardless of weather conditions, The range of units within the range is listed below:

- **AG2ECO** (suitable only with ECO indoor range)
- **CB1** (Breezeless E)
- **MOX** (Breezeless+ Cassette, Pentrose XT, Console, Duct, Floor & Ceiling)
- **MOD** (Breezeless+ Cassette (not Compact), Duct, Floor & Ceiling)
- **MOE** (Breezeless+ Cassette (not Compact), Duct, Floor & Ceiling)

4.1kW & 5.3kW

6.15kW & 7.9kW

8.2kW, 10.6kW & 12.3kW

MULTI-SPLITS

The Multi-Split series is the ideal solution for efficient 2, 3, 4 or 5-zone air conditioning with a single outdoor unit. On a single system it is possible to connect a range of different indoors with varying capacities. All indoor units can be individually controlled and pipe lengths of up 80 metres can be accommodated.

- **FULL FLEXIBILITY WITH MIX & MATCH COMBINATIONS - MIX UNIT TYPE & CAPACITY**
- **CONTROL EACH UNIT INDIVIDUALLY**
- **UP TO 130% DIVERSITY**
- **UP TO 80 METRES TOTAL PIPEWORK**
- **UP TO 5 ZONES FROM A SINGLE OUTDOOR UNIT**
- **INDOOR CAPACITY FROM: COOLING 2.6 KW TO 8.25 KW / HEATING 3 KW TO 8.53 KW**
- **WI-FI CONTROL AS STANDARD WITH THE FULL MULTI INDOOR RANGE**

No of ports	Unit	kW
M2 - Up to 2 indoors	Cooling	4.1 to 6.34
	Heating	4.4 to 6.66
M3 - Up to 3 indoors	Cooling	6.15 to 8.69
	Heating	6.59 to 8.69
M4 - Up to 4 indoors	Cooling	8.2 to 13.78
	Heating	8.79 to 14.4
M5 - Up to 5 indoors	Cooling	12.3 to 14
	Heating	12.3 to 14.94

SBS Code	No of Ports	Output (kW)
MIDM2OH14HFN8Q	2	4
MIDM2OE18HFN8Q	2	5
MIDM3OG21HFN8Q	3	6
MIDM3OA27HFN8Q	3	8
MIDM4OB36HFN8Q	4	10
MIDM5OE42HFN8Q	5	12

AIR CONDITIONING UNITS - MIDEA

Multi-Split Compatible Units

AG ECO (WALL MOUNTED)

IR Controller RG10-S
(included)

BREEZELESS E (WALL MOUNTED)

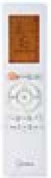
IR Controller RG10-S
(included)

PENROSE XT (WALL MOUNTED)

IR Controller RG10-S
(included)

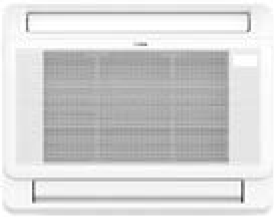
COMPACT ROUNDFLOW CASSETTE

Wired Controller
KJR-120M1
(included)



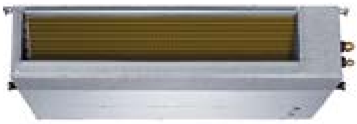
IR Controller
RG10-S/B
(included)

CONSOLE



IR Controller RG10-S
(included)

A6 DUCTED



Wired Controller
KJR-120M1
(included)

IR Controller
RG10-S
(included)

Midea’s compact indoor air conditioning units offer several benefits, making them a popular choice for residential and commercial spaces. Some of the key advantages include:

- **SPACE-SAVING**
  Ideal for small rooms or tight spaces.
- **ENERGY EFFICIENT**
  Reduces energy consumption and lowers bills.
- **QUIET OPERATION**
  Minimal noise for a comfortable environment.
- **AIR FILTRATION**
  Helps remove dust and allergens.
- **EASE OF USE**
  User-friendly controls, remote, and smart options.
- **AFFORDABLE**
  Competitive pricing for the features offered.
- **DURABLE**
  Reliable and long-lasting.
- **QUICK COOLING/HEATING**
  Fast comfort for your space.

AIR CONDITIONING UNITS - MIDEA
Multi-Split Combination Tables

SBS CODE: MIDM2OH14HFN8Q

One Unit (kW)	Two Units (kW)
2.5	2.5 + 2.5
3.5	
4	
5	

SBS CODE: MIDM2OE18HFN8Q

One Unit (kW)	Two Units (kW)
2.5	2.5 + 2.5
3.5	2.5 + 3.5
4	3.5 + 3.5
5	

SBS CODE: MIDM3OG21HFN8Q

One Unit (kW)	Two Units (kW)	Three Units (kW)
2.5	2.5 + 2.5	2.5 + 2.5 + 2.5
3.5	2.5 + 3.5	
4	2.5 + 4	
5	2.5 + 5	
	3.5 + 3.5	

SBS CODE: MIDM3OA27HFN8Q

One Unit (kW)	Two Units (kW)		Three Units (kW)
2.5	2.5 + 2.5	3.5 + 3.5	2.5 + 2.5 + 2.5
3.5	2.5 + 3.5	3.5 + 4	2.5 + 2.5 + 3.5
4	2.5 + 4	3.5 + 5	2.5 + 3.5 + 3.5
5	2.5 + 5		3.5 + 3.5 + 3.5

SBS CODE: MIDM4OE28HFN8Q

One Unit (kW)	Two Units (kW)		Three Units (kW)	Four Units (kW)
2.5	2.5 + 2.5	3.5 + 4	2.5 + 2.5 + 2.5	2.5 + 2.5 + 2.5 + 2.5
3.5	2.5 + 3.5	3.5 + 5	2.5 + 2.5 + 3.5	
4	2.5 + 4	3.5 + 7	2.5 + 2.5 + 4	
5	2.5 + 5	4 + 4	2.5 + 2.5 + 5	
7	2.5 + 7	4 + 5	2.5 + 3.5 + 3.5	
	3.5 + 3.5	5 + 5	3.5 + 3.5 + 3.5	

SBS CODE: MIDM4OB36HFN8Q

One Unit (kW)	Two Units (kW)		Three Units (kW)		Four Units (kW)	
2.5	2.5 + 2.5	3.5 + 3.5	2.5 + 2.5 + 2.5	2.5 + 3.5 + 7	2.5 + 2.5 + 2.5 + 2.5	2.5 + 2.5 + 3.5 + 3.5
3.5	2.5 + 3.5	3.5 + 4	2.5 + 2.5 + 3.5	2.5 + 4 + 4	2.5 + 2.5 + 2.5 + 3.5	2.5 + 2.5 + 3.5 + 4
4	2.5 + 4	3.5 + 5	2.5 + 2.5 + 4	2.5 + 4 + 5	2.5 + 2.5 + 2.5 + 4	2.5 + 2.5 + 3.5 + 5
5	2.5 + 5	3.5 + 7	2.5 + 2.5 + 5	2.5 + 5 + 5	2.5 + 2.5 + 2.5 + 5	2.5 + 3.5 + 3.5 + 3.5
7	2.5 + 7	4 + 4	2.5 + 2.5 + 7	3.5 + 3.5 + 3.5		3.5 + 3.5 + 3.5 + 3.5
		5 + 5	2.5 + 3.5 + 3.5	3.5 + 3.5 + 4		
			2.5 + 3.5 + 4	3.5 + 3.5 + 5		
			2.5 + 3.5 + 5			

SBS CODE: MIDM5OE42HFN8Q

One Unit (kW)	Two Units (kW)		Three Units (kW)		Four Units (kW)		Five Units (kW)
2.5	2.5 + 2.5	3.5 + 3.5	2.5 + 2.5 + 2.5	2.5 + 3.5 + 5	2.5 + 2.5 + 2.5 + 2.5	2.5 + 2.5 + 3.5 + 7	2.5 + 2.5 + 2.5 + 2.5 + 2.5
3.5	2.5 + 3.5	3.5 + 5	2.5 + 2.5 + 3.5	2.5 + 5 + 5	2.5 + 2.5 + 2.5 + 3.5	2.5 + 3.5 + 3.5 + 3.5	2.5 + 2.5 + 2.5 + 2.5 + 3.5
4	2.5 + 4	3.5 + 7	2.5 + 2.5 + 4	3.5 + 3.5 + 3.5	2.5 + 2.5 + 2.5 + 4	2.5 + 3.5 + 3.5 + 4	2.5 + 2.5 + 2.5 + 2.5 + 4
5	2.5 + 5	4 + 4	2.5 + 2.5 + 5	3.5 + 3.5 + 4	2.5 + 2.5 + 2.5 + 5	2.5 + 3.5 + 3.5 + 5	2.5 + 2.5 + 2.5 + 2.5 + 5
7	2.5 + 7	4 + 5	2.5 + 2.5 + 7	3.5 + 4 + 4	2.5 + 2.5 + 2.5 + 7	3.5 + 3.5 + 3.5 + 3.5	2.5 + 2.5 + 2.5 + 3.5 + 3.5
		5 + 5	2.5 + 3.5 + 3.5	3.5 + 4 + 5	2.5 + 2.5 + 3.5 + 3.5	3.5 + 3.5 + 3.5 + 4	2.5 + 2.5 + 3.5 + 3.5 + 3.5
			2.5 + 3.5 + 7	3.5 + 3.5 + 5	2.5 + 2.5 + 3.5 + 4	3.5 + 3.5 + 3.5 + 5	
			2.5 + 3.5 + 4	3.5 + 5 + 5	2.5 + 2.5 + 3.5 + 5		
			2.5 + 4 + 4	3.5 + 3.5 + 7			
			2.5 + 4 + 5				

AIR CONDITIONING UNITS - MIDEA
VRF

Midea's VRF systems offer advanced climate control solutions with exceptional energy efficiency and flexibility. The VRF Mini, V6R Heat Recovery, and V8 Heat Pump series models are designed to meet diverse commercial and residential needs. The VRF Mini is ideal for smaller spaces, delivering reliable performance with compact design. The V6R Heat Recovery system provides simultaneous heating and cooling for multiple zones, while the V8 Heat Pump series offers powerful heating and cooling with a focus on energy savings.

8/10kW

12/14/16kW

18kW

MINI VRF FULL DC INVERTER (R410A)

Available in capacity ranges from 7.2kW to 61.5kW, Midea's Mini VRF range is slim and compact, resulting in significant savings on installation space. Perfect for commercial and residential applications such as small offices, apartments, and shops, up to 20 indoor units can be connected to a single outdoor unit, saving time, space, and money.

- **WIDE APPLICATION RANGE**
  The outdoor unit is available in capacity ranges from 7.2kW to 61.5kW. It is perfect for commercial and residential applications such as small offices, apartments and shops.

- **WIDE RANGE OF INDOOR UNITS**
  Midea provides 11 ranges and more than 100 models of VRF indoor units. These have been proven to meet a wide range of applications, including hotels, hospitals, office blocks, airports and sports stadiums.

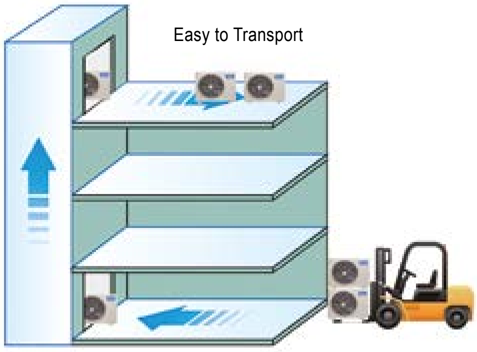
- **WIDE OPERATION RANGE**
  Mini VRF Series operates stably under extreme conditions, ranging from minus -15°C to 55°C.

- **LONG PIPING LENGTH**
  The Mini VRF provides a total piping length possibility of 560m, a maximum height difference between outdoor and indoor units of 50m. The height difference between indoor units can be up to 30m. These generous allowances facilitate an extensive array of system designs.

- **EASY INSTALLATION**
  No special area is required for outdoor units. All outdoor units can be transported by elevator, which greatly simplifies installation and reduces time and labour. The Mini VRF system's indoor and outdoor units are almost as easy to install as residential air conditioning systems, making them ideal for small offices and shops.

- **SPACE SAVING DESIGN**
  The Mini VRF units are slimmer and more compact, resulting in significant savings in installation space. In some large residential and light commercial areas, such as restaurants, shops and larger houses, it would usually need more than one indoor unit, which in turn requires multiple outdoor units. Midea's Mini VRF system solves this problem, and retains the aesthetics of the building.

- **AUTO ADDRESSING**
  Outdoor unit can distribute addresses for indoor units automatically. Wireless and wired controllers can query and modify each indoor units address.



Easy Installation

Auto Addressing

AIR CONDITIONING UNITS - MIDEA
VRF

V6R HEAT RECOVERY (R410A)

Midea's V6R range is the industry's first 3 pipe Heat Recovery VRF with zonal leak detection that guarantees the system's safe and reliable operation. Available from 8HP to 54HP, the exclusive range is extremely versatile and can meet the needs of small, medium, or large sized applications.

The system isolates the MS zone that detects a refrigerant leak, reducing refrigerant loss and minimising risks to room occupants. Unaffected zones continue to operate safely, while dry contacts to third-party controls can trigger alarms and activate ventilation fans. This isolation considerably shortens the time required to repair the leak.

- **ZONAL LEAK DETECTION**
  The system only isolates the MS zone that detects a refrigerant leak, reducing the risk of system refrigerant loss whilst limiting any potential risk to room occupants. Non-effected zones will continue to operate safely, whilst dry contacts to 3rd party controls can activate alarms and enable ventilation extract fans. Overall, the time required to repair the cause of leak is significantly reduced.

- **WIDE CAPACITY RANGE**
  - Single module from 8HP to 18HP
  - Double module from 16HP to 36HP
  - Triple module from 24HP to 54HP

- **FLEXIBLE & EAST TO INSTALL**
  Each outdoor unit is lightweight with long piping lengths of up to a total of 1000m, an improved height difference of 110m between outdoor and indoor levels and up to 30m height difference between indoor units.

- **FRESH AIR SUPPLY**
  Offering a wide operating range in cooling mode, heating mode and simultaneous cooling and heating mode the V6R can also be connected to a fresh air unit or HRV to supply continuous fresh air.

- **MULTIPLE PORT MS BOXES**
  Combined with the intelligent MS Box, which adds further flexibility by offering multiple port options of 4,6,8,10 or 12 and up to 5 indoor units connected to one port - the V6R can meet any design brief or site restrictions.

- **DOMESTIC HOT WATER & UNDERFLOOR HEATING**
  The V6R range is a multipurpose solution and can achieve space cooling/heating and domestic hot water (25°C to 80°C) simultaneously by connecting to a Midea high-temperature hydro module. The hot water can be used for domestic hot water and underfloor heating, improving room comfort.

V8 HEAT PUMP SERIES (R410A)

Midea's V8 Heat Pump range is available from 8HP up to 32HP, the world's largest single VRF unit capacity. The range has SUPERSENSE sensors distributed throughout the refrigerant system, which can determine the refrigerant's status, ensuring stable operation and high reliability.

- Wide Application Range (8hp to 32hp)
- Wide Operation Range
  -15°C to 55°C Cooling
  -30°C to 30°C Heating
- Long-Piping Capability (up to 1100m)
- Supersense (up to 19 sensors)
- Shieldbox (fully sealed electric control box)
- Auto Dust Clean Function
- Easy Installation And Service
- Auto Addressing
- Energy Saving
  - Low Standby Power Consumption
  - Evaporation Temperature Alteration (meta)

AIR CONDITIONING UNITS - MIDEA
Ventilation & Controllers

HEAT RECOVERY VENTILATION

Midea heat recovery ventilation ensures effective fresh air in any application. The exceptionally quiet units can greatly reduce energy losses and room temperature fluctuations caused by the ventilation process.

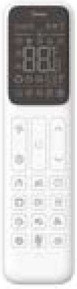
- **ENHANCED EFFICIENCY**
  Midea heat recovery ventilation (HRV) can greatly reduce energy losses and room temperature fluctuations caused by the ventilation process.
- **EASY INSTALLATION**
  The unit's slim and compact design means the HRV can easily be installed where space is limited. No drain piping needed, thanks to sensible & latent heat transfer at heat exchanger.
- **FLEXIBLE CONTROL**
  2-Core Wired 7 Day Controller can be used to control multiple units together.
- **HIGH-EFFICIENCY FILTERS**
  Built-in as standard, F7 filter for air supply side and M5 filter for exhaust air.
- **$C0_2$ SENSOR**
  Built-in as standard allows control of fan speed according to CO_2 concentration.
- **MULTIPLE MODES**
  - Heat Exchange
  - Bypass
  - Air Supply
  - Exhaust
  - Auto

CONTROLLERS

Midea offers a range of controllers, designed to integrate with all of their systems and provide centralised control and monitoring capabilities.

WIRED

A user-friendly selection of wired controllers, with functions to suit any environmental requirements. Clear LED display screens, 24 hour or weekly timers, auto functions and error reporting are just some of the functions available in the Midea wired controller range.



WIRELESS REMOTE CONTROLLER

A user friendly wireless controller which offers many functions including; 24 hour timer, temperature control, fan speeds, system addressing and 'follow-me' sensitive cooling.

TOUCH SCREEN CENTRALISED CONTROLLERS

The centralised controller is a multi-functional device that can control up to 64 units within a maximum connection length of 1,200m. Users can use group control or individual control to set the temperature independently for each unit.

BMS & CLOUD GATEWAYS

BMS Gateways available via LonWorks, ModBUS and BACnet interfaces.

DX INTERFACE KITS

The DX Interface is a control box that allows Midea VRF outdoor units to connect to third party equipment with a heating or cooling coil. The cooling/heating requirements can then be provided via the Midea outdoor units.

- **HIGH FLEXIBILITY WITH CAPACITY ADJUSTMENT**
  Available in three basic sizes which can be optimally adjusted. Cooling: 9 – 56kW & Heating 10 – 63kW. Multiple interfaces can be installed together for up to 90kW Cooling and 90kW Heating.
- **FLEXIBLE CONTROLS**
  Can be controlled via standard Midea controller or 3rd Party controller via 0-10VDC.
- **WIDE APPLICATION RANGE**
  Up to 61.5 kW available from a single sideflow outdoor unit.
- **LED MOUNTED DISPLAY**
  Built-in display for easy troubleshooting.
- **FLEXIBLE INSTALLATION**
  Can be installed with both Heat Pump & Heat Recovery VRF.

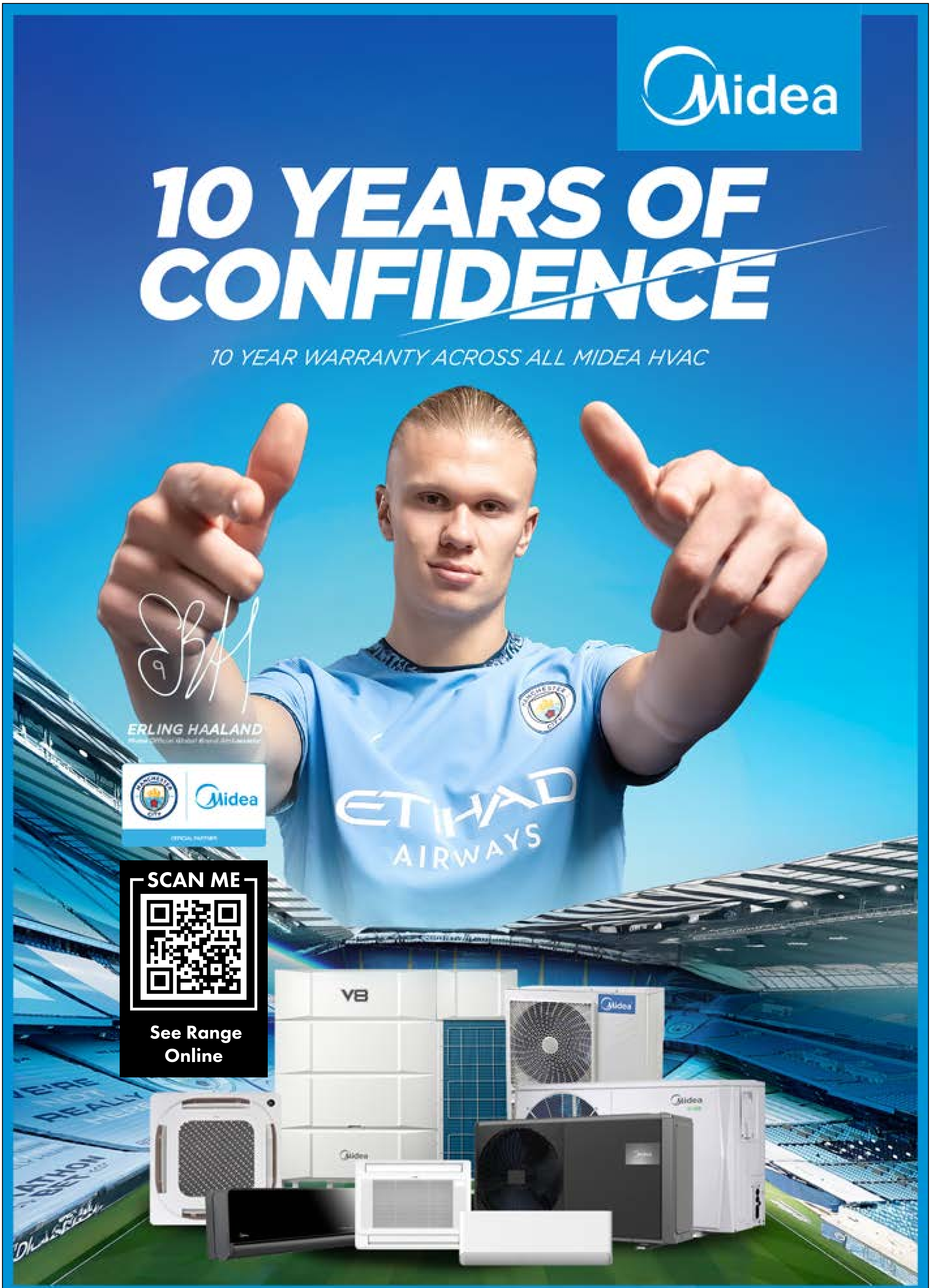
AQUA THERMAL SUPER SERIES CHILLERS

The high energy efficiency Aqua Thermal range of modular chillers can be installed singularly, or for large capacity installations, modules can be installed together. Suitable for commercial applications, the modular design future proofs the building to ensure any long-term expansion plans can be met.

65/75kW

110/140kW

- **MODULAR DESIGN**
  Multiple modules can be installed together for large capacity installations (units can be added on later for extensions to services).
- **SPACE SAVING AND SIMPLIFIED INSTALLATION**
  Single unit covers an area of only 1.92m^2, which saves lots of space for group control. The hydraulic model has the water pump components inside the unit, which can make the installation easier and therefore save time and money.
- **BACK UP FUNCTION**
  In a combination system, if one unit fails, other units can be used for back up and continued operation.
- **DUTY CYCLE OPERATION**
  In combination systems, all units operate in cycles of duty to keep equal running time, allowing higher stability, better reliability and longer lifespan.
- **THREE USER LEVELS**
  Three user levels ensure end users can easily access control functions and allow engineers convenient access to operating parameters.
- **GROUP CONTROL FOR UP TO 16 UNITS WITH ONE WIRED CONTROLLER**
  Each unit can connect with one controller for setting and one controller for monitoring.
- **WIDE OPERATION TEMPERATURE RANGE**
  For heating:-25°C-43°C (ambient); 25°C-65°C (leaving water)
  For cooling: -15°C-48°C (ambient); 0°C-20°C (leaving water)



Split systems | Multi splits | VRF systems | Heat pumps | Chillers

FAULT CODES

Daikin

System		
Division **Code**	**U**	**M**
0	Shortage of refrigerant	n/a
1	Reverse phase, open phase	Malfunction of central remote controller PCB
2	Malfunction of power supply or instantaneous power failure	n/a
3	Check operation not executed or transmission error	n/a
4	Malfunction of transmission between indoor and outdoor unit	n/a
5	Malfunction of transmission between indoor unit and remote controller	n/a
6	Malfunction of transmission between indoor units	n/a
7	Malfunction of transmission between outdoor units or outdoor storage unit	n/a
8	Malfunction of transmission between remote controllers	Malfunction of transmission between optional controllers for centralised control
9	Malfunction of transmission (other system)	n/a
A	Improper combination of indoor and outdoor units	Improper combination of optional controllers for centralised control
C	Malfunction of setting of centralised control equipment address	Address duplication, improper setting
E	Malfunction of transmission between indoor unit and centralised control equipment	n/a
F	System is not set yet	n/a
H	Malfunction of system	n/a
J	Malfunction of transmission (accessory device)	n/a

Indoor Unit		
	A	**C**
0	External protection device activated	Malfunction of sensor system (unified)
1	Malfunction of indoor unit PCB	Failure of transmission (between indoor unit PCB and sub PCB)
2	n/a	n/a
3	Drain Level Control System Abnormality	Malfunction of drain level sensor
4	Malfunction of freezing protection	Malfunction of liquid pipe thermistor for heat exchanger
5	High pressure control in heating, freeze-up protection control in cooling	Malfunction of gas pipe thermistor for heat exchanger
6	Malfunction of fan motor	Malfunction of fan motor sensor or fan control driver
7	Malfunction of swing flap motor	Front panel driving motor fault
8	Malfunction of power supply or AC input overcurrent	Malfunction of AC input current sensor system
9	Malfunction of electronic expansion valve	Malfunction of suction air thermistor
A	Heater overheat	Malfunction of discharge air thermistor
C	Stop due to low water level	Malfunction of humidity sensor system
E	Low water level · no water supply	Malfunction of switch box thermistor
F	Malfunction of a humidifier system	Malfunction of high pressure switch
H	Malfunction of dust collector of air cleaner	n/a
J	Malfunction of capacity setting (Indoor unit PCB)	Room temperature thermistor in remote controller abnormality

Attention

The axis of these tables are different
to Daikin's usual format

FAULT CODES
Daikin

Outdoor Unit

Division Code	E	F	H	J	L	P
0	Protection devices activated (unified)	n/a	Malfunction of sensor system of compressor	Miswiring of thermistor	Malfunction of inverter system	Shortage of refrigerant amount (thermal storage unit)
1	Defective outdoor unit PCB	n/a	Malfunction of room temperature sensor or humidifier unit damper	Malfunction of pressure sensor	Malfunction of inverter PCB	Power voltage imbalance or inverter PCB
2	Missing of earth leakage detection core	n/a	Malfunction of power supply sensor	Malfunction of current sensor of compressor	n/a	Automatic refrigerant charge operation stop
3	Actuation of high pressure switch (HPS)	Malfunction of discharge pipe temperature	Malfunction of high pressure switch (HPS)	Malfunction of discharge pipe thermistor	El.compo. box temperature rise	Malfunction of thermistor in switch box
4	Actuation of low pressure switch (LPS)	Wet alarm	Malfunction of low pressure switch (LPS)	Malfunction of low pressure equivalent saturated temperature sensor system	Malfunction of inverter radiation fin temperature rise	Malfunction of radiation fin temperature sensor
5	Inverter compressor motor or overheat	n/a	Malfunction of compressor motor overload thermistor	Malfunction of suction pipe thermistor	Inverter instantaneous overcurrent (DC output)	Malfunction of DC current sensor
6	STD compressor motor overcurrent/ lock	Abnormal high pressure or refrigerant overcharged	Malfunction of position detection sensor	Malfunction of heat exchanger thermistor	Inverter instantaneous overcurrent (AC output)	Malfunction of AC or DC output current sensor
7	Malfunction of outdoor unit fan motor system	n/a	Malfunction of outdoor unit fan motor signal	Malfunction of thermistor (Refrigerant circuit)	Total input overcurrent	Malfunction of total input current sensor
8	Overcurrent of inverter compressor	n/a	Malfunction of compressor input (CT) system	Malfunction of thermistor (Refrigerant circuit)	Malfunction of overcurrent inverter compressor	Heat exchanger freezing protection during automatic refrigerant charging
9	Malfunction of electronic expansion valve coil	n/a	Malfunction of outdoor air thermistor	Malfunction of thermistor (Refrigerant circuit)	Malfunction of inverter compressor startup error (Stall prevention)	Automatic refrigerant charge operation completed
A	Malfunction of four way valve or cool/ heat switch	Abnormal high pressure actuation of HPS	Malfunction of discharge air thermistor	Malfunction of high pressure sensor	Malfunction of power transistor	Refrigerant cylinder during automatic refrigerant charging
C	Malfunction of entering water temperature	n/a	Malfunction of (hot) water temperature thermistor	Malfunction of low pressure sensor	Malfunction of transmission between control and inverter PCB	Refrigerant cylinder during automatic refrigerant charging
E	Malfunction of drain water level	Abnormal oil pressure	Malfunction of drain water level sensor	Malfunction of oil pressure sensor or sub-tank thermistor	Malfunction of igniter system	Automatic refrigerant charge operation nearly completed
F	Malfunction of thermal storage unit	Abnormal oil level or shortage of oil	Alarm in thermal storage unit or storage controller	Malfunction of oil level sensor or heating heat exchanger thermistor	Engine startup error	Malfunction of starter actuation
H	Malfunction of cooling water pump	Abnormal high temperature of refrigerant oil	High room temperature alarm	Malfunction of oil temperature thermistor	Malfunction of generator converter	Refrigerant cylinder during automatic refrigerant charging
J	Actuation of option protection device	Abnormal exhaust temperature of engine	Malfunction of thermal storage tank water level	Malfunction of engine room temperature sensor or exhaust temperature	Engine stop	Improper combination between inverter and fan driver

SCAN ME

Daikin's online error code search tool

FAULT CODES

Midea

GENERAL FAULT CODES

Error	Explanation	Malfunction Decision Conditions	Possible Causes
E0/F4	EEPROM Error	Indoor or outdoor PCB main chip does not receive feedback from EEPROM chip	1. Installation mistake 2. Faulty PCB
E1	Communication between Indoor & Outdoor unit	Indoor unit does not receive the feedback from outdoor unit during 110 seconds and this condition happens four times	1. Wiring mistake 2. Faulty indoor or outdoor PCB
E2	Zero Crossing signal detection error	The system cannot detect correct zero crossing signal time interval	1. Bad connection of power cables 2. Faulty power supply 3. Faulty PCB
E3/F5	Fan motor speed is abnormal	When fan speed keeps too low (300RPM) for certain time, the unit will stop and the LED will display the failure	1. Wiring mistake 2. Faulty fan wheel (fan blade) 3. Faulty fan motor 4. Faulty PCB 5. Surge
E4/E5/F1/F2/F3	Temperature sensor failure	If the sampling voltage is lower than 0.06v or higher than 4.9v, the LED will display the failure	1. Wiring mistake 2. Faulty sensor 3. Faulty PCB
EC	Refrigerant leak detection	Define initial evaporator coil temperature T2 when the compressor just starts running as Tcool. In the first 8 minutes after the compressor starts up, if T2 <Tcool-2°C does not keep continuous 4 seconds, and this situation happens 3 times, the display area will show "EC" and AC will turn off	1. Faulty T2 sensor 2. Faulty indoor PCB 3. System problems, such as leakage or blocking
F0	Overcurrent protection	An abnormal current rise is detected by checking the specified current detection circuit	1. Power supply problems 2. System blockage 3. Faulty PCB 4. Wiring mistake 5. Compressor malfunction
P0	IPM protection	When the voltage signal that IPM send to compressor drive chip is abnormal, the display LED will show "P0" and AC will turn off	1. Wiring mistake 2. IPM malfunction 3. Faulty outdoor fan motor 4. Compressor malfunction 5. Faulty outdoor PCB 6. Surge
P1	Voltage abnormal	An abnormal voltage rise or drop is detected by checking the specified voltage detection circuit	1. Power supply problems 2. Faulty rectifier 3. Faulty PCB
P4	Inverter drive error	An abnormal inverter compressor drive signal is calculated by the detection circuit	1. Wiring mistake 2. IPM malfunction 3. Faulty outdoor fan motor 4. Compressor malfunction 5. Faulty outdoor PCB 6. Surge

BASIC TROUBLESHOOTING TIPS FOR MIDEA UNITS

1. Restart the System: Sometimes, a simple restart can clear minor errors

2. Inspect Wiring and Connections: Loose connections are a common cause of many issues

3. Clean the Unit: Dust and debris can lead to airflow issues, abnormal fan speed, and overheating

4. Test Key Components: If you have the tools, you can test the fan motor, sensors, and PCB using a multimeter

CASSETTE/CEILING & FLOOR SERIES SPECIFIC ERROR CODES

LED Indicators	Error Description
Operation: Flashing Timer: Off De-frost: Off Alarm: Off	Indoor room temperature sensor open or short-circuit
Operation: Off Timer: Off **De-frost: Flashing** Alarm: Off	Indoor pipe temperature sensor open or short-circuit
Operation: Off **Timer: Flashing** De-frost: Off Alarm: Off	Indoor and outdoor communication error
Operation: Off Timer: Off De-frost: Off **Alarm: Flashing**	Water level alarm
Operation: Flashing **Timer: Flashing** De-frost: Off Alarm: Off	EEPROM error

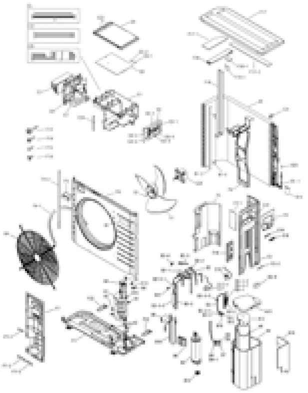
Flashing: The LED is blinking **On:** The LED is steadily lit **Off:** The LED is not lit.

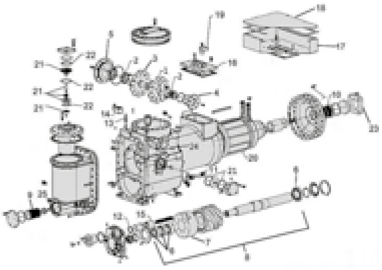
Note: For model-specific error codes and detailed troubleshooting steps, please refer to the user manual provided with your Midea air conditioner or consult a certified Midea service technician. Understanding these error codes enables prompt and accurate diagnosis, ensuring your Midea air conditioner operates efficiently and reliably.

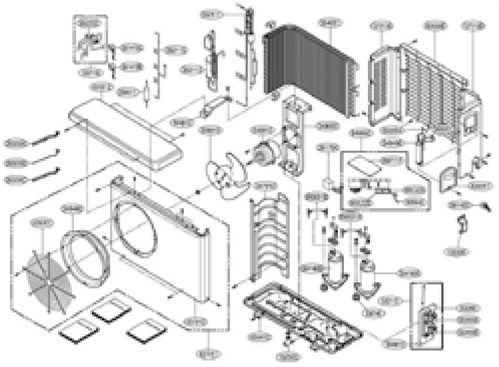
Have a Midea fault code?

Access Midea's fault code database, where you can identify your error and find potential solutions.

GOT A FAULT CODE? NEED A SPARE PART?







Let Smith Brothers help you source the correct replacement part

E: **rac@sbs.co.uk**

- Next-day delivery availability on UK stocked spares*
- Exploded diagrams available

*next working day & cut off times apply

WARRANTY
Daikin

Certified Installer

Daikin offer a hassle-free warranty procedure; the service enables customers to handle claims directly over the telephone, streamlining the process and saving time. The premium delivery option also provides delivery solutions designed to address the challenges of difficult-to-reach sites.

As a Certified Installer, you can enjoy:

- **Certificate:** to demonstrate your status as a certified installer to customers
- **Competence:** unlimited free training for the first 12 months, then five free days' training per year
- **Credibility:** association with Daikin brand
- **Credit account:** £10,000 credit limit (subject to T&Cs)
- **Certified** Installer web portal
- **Corporate** merchandise pack available free to order from the Partner portal
- **Claim** your free R32 gauge from the Partner portal
- **Co-branded** marketing material available to download from the Partner portal
- **Contact:** dedicated account manager
- **Commissioning forms**

To Qualify:

- Achieve £20,000 turnover
- Daikin training (1 day)
- Certify your business (F-Gas Certification)

Product	Certified Installer Partner (Ci)	Standard Warranty
Split & Sky Air systems (Matched Pairs Only)	5 years	3 years
High Sensible Sky Air Split systems (Advertised Mis Match High Sensible combinations only)	5 years	3 years
Multi Split systems (standard combinations only)	5 years	3 years
VAM/VKM Total Heat Exchangers	5 years	3 years
VRV Outdoor units & VRV Indoor fan coils (including Split fan coils with BPMK box connection) Except VRV-Q	3 years standard / 5 years - when commissioning sheets & ongoing maintenance records (inc year 1) are uploaded on the Ci portal	3 years
RZA200/250 Commercial Split (standard combinations only)	5 years	3 years
Daikin/Biddle Air Curtains (connected to Daikin VRV Condensing units)	5 years	3 years
Low Temp & High Temp Hot Water Modules connected to Daikin VRV or Multi Split Con unit	5 years	3 years
Daikin manufactured Air Condensing Accessories	5 years	3 years
Replacement VRV-Q (with new fan coils)	3 years / Please refer to Daikin's specific VRV-Q warranty terms & conditions	3 years / Please refer to Daikin's specific VRV-Q warranty terms & conditions
Packaged Equipment UATY units	1 year	1 year

WARRANTY
Midea

Warranty depends on your status and product registration, starting at 3 years for unregistered products, moving to 5 years if registered. Registering at least one of your service visits every consecutive year will provide the end user with a full-term warranty.

For Mi Pro Partners this can be up to 10 years*:

All Mi Pro Partners are certified F-Gas companies that adhere to the core values of safeguarding the industry. They are committed to ensuring the proper installation of Midea products while upholding industry standards and regulations.

- Proven understanding of products on-site and via training
- Primarily, all Mi Pro Partners are certified F-Gas companies
- Proven responsibility in delivering long-term care of products

Mi Care Service visits:

Midea encourages proper installation and regular Mi Care service visits to extend product lifespan. Installers who follow these practices qualify for a 10-year warranty and can earn Mi Care Credit by registering the first year's service visit through the Mi Pro Portal. The credit, available after one year, can be used for discounts with a minimum of £100 required to redeem.

To Qualify:

- Validate your F-Gas engineers on the Mi Pro Portal
- Participate in FREE training at one of the training academies, online or on site*
- Register at least 10 installations for warranty using the Mi Pro Portal

* Free on-site training is available (VRF projects only, terms apply)

Mi Care Credit (1st Year Service Contributions)	Systems Covered
£30	Wall mounted split systems
£60	All other split systems
£100	VRF systems under 45kw
£150	VRF systems 45kw and above

ACR ANCILLARIES & CONSUMABLES

- 🟥 **Pipe Products**
- ⬛ **Installation Accessories**
- 🟦 **Condensate Removal, Pumps & Drainage**
- 🟩 **Refrigeration**
- 🟧 **Line Components, Controls & Accessories**
- 🟪 **Service Chemicals, Tooling & Consumables**

See a QR code top right?

You can view the range online!

Use the QR Codes to easily and conveniently access:

- **Stock availability information by branch**
- **Account pricing** (If logged into your account)

PIPE PRODUCTS

Copper Tube

Copper tube manufactured to EN 12735-1 & BS2871/2, specially crafted for refrigeration and air conditioning systems. Each tube undergoes a meticulous cleaning process, is nitrogen-purged, and is capped to guarantee superior functionality. Our coils are soft drawn and straights are half-hard/hard depending on size.

SWG	22	21	20	19	18	16	14	12	11
Wall Thickness (Inch)	0.028	0.032	0.036	0.040	0.048	0.064	0.080	0.104	0.116

COPPER STRAIGHT (3M LENGTHS)

SBS Code	OD (Inch)	SWG
CUTAC063M	3/8"	21
CUTAC083M	1/2"	20
CUTAC103M	5/8"	20
CUTAC123M-18	3/4"	18
CUTAC123M	3/4"	19
CUTAC143M	7/8"	18
CUTAC183M-16	1 1/8"	16
CUTAC183M	1 1/8"	18
CUTAC223M-16	1 3/8"	16
CUTAC223M	1 3/8"	18
CUTAC263M-14	1 5/8"	14
CUTAC263M-16	1 5/8"	16
CUTAC263M	1 5/8"	18
CUTAC343M-14	2 1/8"	14
CUTAC343M-16	2 1/8"	16
CUTAC343M	2 1/8"	18
CUTAC423M-12	2 5/8"	12
CUTAC423M-16	2 5/8"	16
CUTAC423M	2 5/8"	18
CUTAC803M	3 1/8"	16

COPPER STRAIGHT (6M LENGTHS)

SBS Code	OD (Inch)	SWG
CUTAC066M	3/8"	21
CUTAC086M-18	1/2"	18
CUTAC086M	1/2"	20
CUTAC106M-18	5/8"	18
CUTAC106M	5/8"	20
CUTAC126M-16	3/4"	16
CUTAC126M	3/4"	18
CUTAC126M-19	3/4"	19
CUTAC146M-12	7/8"	12
CUTAC146M-16	7/8"	16
CUTAC146M	7/8"	18
CUTAC186M-14	1 1/8"	14
CUTAC186M-16	1 1/8"	16
CUTAC186M	1 1/8"	18
CUTAC226M-12	1 3/8"	12
CUTAC226M-14	1 3/8"	14
CUTAC226M-16	1 3/8"	16
CUTAC226M	1 3/8"	18
CUTAC266M-11	1 5/8"	11
CUTAC266M-12	1 5/8"	12
CUTAC266M-14	1 5/8"	14
CUTAC266M-16	1 5/8"	16
CUTAC266M	1 5/8"	18
CUTAC346M-12	2 1/8"	12
CUTAC346M-14	2 1/8"	14
CUTAC346M-16	2 1/8"	16
CUTAC346M	2 1/8"	18
CUTAC426M-12	2 5/8"	12
CUTAC426M-14	2 5/8"	14
CUTAC426M-16	2 5/8"	16
CUTAC426M	2 5/8"	18
CUTAC506M-12	3 1/8"	12
CUTAC506M-14	3 1/8"	14
CUTAC506M	3 1/8"	16
CUTAC586M-12	3 5/8"	12
CUTAC586M-14	3 5/8"	14
CUTAC586M	3 5/8"	16
CUTAC666M-12	4 1/8"	12
CUTAC666M-14	4 1/8"	14
CUTAC666M	4 1/8"	16

PIPE PRODUCTS

Copper Tube

COPPER COIL (6M)

SBS Code	OD (Inch)	SWG
CUCAC046M	1/4"	22
CUCAC066M	3/8"	21
CUCAC086M	1/2"	21
CUCAC106M	5/8"	20

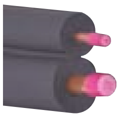
COPPER COIL (30M)

SBS Code	OD (Inch)	SWG
CUCAC0430M	1/4"	22
CUCAC0630M	3/8"	21
CUCAC0830M	1/2"	21
CUCAC1030M	5/8"	20
CUCAC1230M	3/4"	19

COPPER COIL (15M)

SBS Code	OD (Inch)	SWG
CUCAC0415M	1/4"	22
CUCAC0615M	3/8"	21
CUCAC0815M	1/2"	21
CUCAC1015M	5/8"	20
CUCAC1215M	3/4"	19
CUCAC1415M	7/8"	19

PRE-INSULATED COIL (PAIR) - CLASS O FIRE RATED



SBS Code	Size A (Inch)	Size B (Inch)	Metres	Wall Thickness (Inch)
ACLPC1438CO-9MM	1/4"	3/8"	25	3/8"
ACLPC1412CO-9MM	1/4"	1/2"	25	3/8"
ACLPC1458CO-9MM	1/4"	5/8"	25	3/8"
ACLPC3858CO-9MM	3/8"	5/8"	25	3/8"
ACLPC1438CO-13MM	1/4"	3/8"	20	1/2"

K65 High Pressure Copper Tube

For high pressure CO_2 refrigeration systems, a range of copper/iron alloy (CuFe2P) tubes with a maximum working pressure of 120 bar (1740psi).

K65 - 80 BAR COPPER STRAIGHT (6M LENGTHS)

SBS Code	OD (Inch)	Wall Thickness (mm)	Max Pressure (bar)
CUTK6580B08	1/2"	0.60	80
CUTK6580B10	5/8"	0.75	80
CUTK6580B12	3/4"	0.90	80
CUTK6580B14	7/8"	1.00	80
CUTK6580B18	1 1/8"	1.30	80
CUTK6580B22	1 3/8"	1.60	80
CUTK6580B26	1 5/8"	1.90	80
CUTK6580B34	2 1/8"	2.50	80

K65 - 120 BAR COPPER STRAIGHT (6M LENGTHS)

SBS Code	OD (Inch)	Wall Thickness (mm)	Max Pressure (bar)
CUTK65120B06	3/8"	0.65	120
CUTK65120B08	1/2"	0.85	120
CUTK65120B10	5/8"	1.05	120
CUTK65120B12	3/4"	1.30	120
CUTK65120B14	7/8"	1.50	120
CUTK65120B18	1 1/8"	1.90	120
CUTK65120B22	1 3/8"	2.30	120
CUTK65120B26	1 5/8"	2.70	120
CUTK65120B34	2 1/8"	3.55	120

PIPE PRODUCTS

Insulation - Kaimann

Kaiflex ST is used in cooling and air conditioning systems for insulating pipes and ducts in highly frequented public and commercial buildings, like airports, large office complexes, hotels, and apartment buildings, as well as in industrial plants and ships. Thanks to its antimicrobial and fibre-free structure, the material meets high hygienic requirements and is especially suitable for insulation in healthcare facilities like hospitals.

2M LENGTHS - 3/8" WALL

SBS Code	OD (Inch)	Lengths per box
KAI006009	1/4"	180
KAI010009	3/8"	160
KAI012009	1/2"	132
KAI015009	5/8"	112
KAI020009	3/4"	80
KAI022009	7/8"	78
KAI028009	1 1/8"	62
KAI035009	1 3/8"	46
KAI042009	1 5/8"	35
KAI054009	2 1/8"	30

2M LENGTHS - 1/2" WALL

SBS Code	OD (Inch)	Lengths per box
KAI006013	1/4"	120
KAI010013	3/8"	95
KAI012013	1/2"	86
KAI015013	5/8"	72
KAI020013	3/4"	60
KAI022013	7/8"	54
KAI028013	1 1/8"	42
KAI035013	1 3/8"	38
KAI042013	1 5/8"	28
KAI054013	2 1/8"	23

2M LENGTHS - 3/4" WALL

SBS Code	OD (Inch)	Lengths per box
KAI010019	3/8"	54
KAI012019	1/2"	50
KAI015019	5/8"	40
KAI020019	3/4"	38
KAI022019	7/8"	36
KAI028019	1 1/8"	28
KAI035019	1 3/8"	24
KAI042019	1 5/8"	20
KAI054019	2 1/8"	15

2M LENGTHS - 1" WALL

SBS Code	OD (Inch)	Lengths per box
KAI012025	1/2"	30
KAI015025	5/8"	28
KAI020025	3/4"	25
KAI022025	7/8"	21
KAI028025	1 1/8"	20
KAI035025	1 3/8"	16
KAI042025	1 5/8"	12
KAI054025	2 1/8"	11

15M BAG - 3/8" WALL

SBS Code	OD (Inch)	Metres per bag
KAI006009BAG	1/4"	15
KAI010009BAG	3/8"	15
KAI012009BAG	1/2"	15
KAI015009BAG	5/8"	15
KAI020009BAG	3/4"	15
KAI022009BAG	7/8"	15
KAI028009BAG	1 1/8"	15

15M BAG - 1/2" WALL

SBS Code	OD (Inch)	Metres per bag
KAI006013BAG	1/4"	15
KAI010013BAG	3/8"	15
KAI012013BAG	1/2"	15
KAI015013BAG	5/8"	15
KAI020013BAG	3/4"	15
KAI022013BAG	7/8"	15
KAI028013BAG	1 1/8"	15

BOX - 3/8" WALL

SBS Code	OD (Inch)	Metres per box
KAI006009BOX	1/4"	40
KAI010009BOX	3/8"	34
KAI012009BOX	1/2"	31
KAI015009BOX	5/8"	27
KAI020009BOX	3/4"	23
KAI022009BOX	7/8"	19
KAI028009BOX	1 1/8"	14

BOX - 1/2" WALL

SBS Code	OD (Inch)	Metres per box
KAI006013BOX	1/4"	26
KAI010013BOX	3/8"	23
KAI012013BOX	1/2"	18
KAI015013BOX	5/8"	17
KAI020013BOX	3/4"	15
KAI022013BOX	7/8"	14
KAI028013BOX	1 1/8"	10

PIPE PRODUCTS
Insulation - Armacell

AF/ArmaFlex is a highly flexible, closed-cell elastomeric foam insulation material designed for use in air conditioning and refrigeration systems. It features high water vapour diffusion resistance, low thermal conductivity, and built-in Microban® anti-microbial protection. The self-adhesive coating is based on a pressure-sensitive modified acrylate, with a mesh structure covered in polythene foil.

2M LENGTHS - 3/8" WALL

SBS Code	OD (Inch)	Lengths per box
ARM006009	1/4"	176
ARM010009	3/8"	133
ARM012009	1/2"	117
ARM015009	5/8"	100
ARM020009	3/4"	70
ARM022009	7/8"	70
ARM028009	1 1/8"	49
ARM035009	1 3/8"	38
ARM042009	1 5/8"	32
ARM054009	2 1/8"	26

2M LENGTHS - 3/4" WALL

SBS Code	OD (Inch)	Lengths per box
ARM012019	1/2"	42
ARM015019	5/8"	36
ARM020019	3/4"	29
ARM022019	7/8"	28
ARM028019	1 1/8"	24
ARM035019	1 3/8"	18
ARM042019	1 5/8"	16
ARM054019	2 1/8"	12
ARM060019	2 3/8"	12
ARM067019	2 5/8"	10

2M LENGTHS - 1/2" WALL

SBS Code	OD (Inch)	Lengths per box
ARM006013	1/4"	100
ARM010013	3/8"	86
ARM012013	1/2"	71
ARM015013	5/8"	61
ARM020013	3/4"	52
ARM022013	7/8"	50
ARM028013	11/8"	41
ARM035013	1 3/8"	30
ARM042013	1 5/8"	25
ARM054013	2 1/8"	19
ARM060013	2 3/8"	16
ARM067013	2 5/8"	17

2M LENGTHS - 1" WALL

SBS Code	OD (Inch)	Lengths per box
ARM012025	1/2"	27
ARM015025	5/8"	24
ARM022025	7/8"	20
ARM028025	1 1/8"	18
ARM035025	1 3/8"	12
ARM042025	1 5/8"	12
ARM054025	2 1/8"	9
ARM060025	2 3/8"	9
ARM067025	2 5/8"	8

15M BAG - 3/8" WALL

SBS Code	OD (Inch)	Metres per bag
ARM006009BAG	1/4"	15
ARM010009BAG	3/8"	15
ARM012009BAG	1/2"	15
ARM015009BAG	5/8"	15
ARM020009BAG	3/4"	15
ARM022009BAG	7/8"	15
ARM028009BAG	1 1/8"	15

BOX - 3/8" WALL

SBS Code	OD (Inch)	Metres per box
ARM006009BOX	1/4"	70
ARM010009BOX	3/8"	50
ARM012009BOX	1/2"	45
ARM015009BOX	5/8"	40
ARM020009BOX	3/4"	34
ARM022009BOX	7/8"	30
ARM028009BOX	1 1/8"	26

15M BAG - 1/2" WALL

SBS Code	OD (Inch)	Metres per bag
ARM006013BAG	1/4"	15
ARM010013BAG	3/8"	15
ARM012013BAG	1/2"	15
ARM015013BAG	5/8"	15
ARM020013BAG	3/4"	15
ARM022013BAG	7/8"	15
ARM028013BAG	1 1/8"	15

BOX - 1/2" WALL

SBS Code	OD (Inch)	Metres per box
ARM006013BOX	1/4"	45
ARM010013BOX	3/8"	35
ARM012013BOX	1/2"	32
ARM015013BOX	5/8"	28
ARM020013BOX	3/4"	28
ARM022013BOX	7/8"	26
ARM028013BOX	1 1/8"	20

Insulation Accessories

ADHESIVE

SBS Code	Description
KFG250	250ml Insulation Standard Adhesive 520
KFG500	500ml Insulation Standard Adhesive 520
AFG250	250ml Armaflex Standard Adhesive 520
AFG500	500ml Armaflex Standard Adhesive 520
AFGHT1	1Ltr Armaflex High Temp Adhesive 625
ARMAHU7001L	1Ltr Armaflex Ultima 700 Blue Contact Adhesive

TAPE

SBS Code	Description
LT10M	Foam Insulation Tape 1/8" x 2" x 30ft Roll (3mm x 50mm x 10M)
KT5015	Insulation Tape Class O 15m Kaimann Unbranded
AT5015	50mm x 3mm x 15m Armaflex Tape

PAINT

SBS Code	Description
AC299KAFI1	UV Protective Paint For Kaiflex Insulation - RAL 9010 (White)
AC299KAFI5	UV Protective Paint For Kaiflex Insulation - RAL 7035 (Grey)
AC299KAFI9	UV Protective Paint For Kaiflex Insulation - RAL 9005 (Black)

PIPE PRODUCTS

Copper Fittings

Degreased copper fittings specifically for ACR and manufactured to ASME B16.22-2001, which can be used in assemblies subject to the Pressure Equipment Directive.

The burst pressure of each fitting size at 55ºC has been determined and a safety factor of at least 3 has been applied to establish a recommended maximum working pressure.

All testing has been conducted in accordance with BS EN 378-2:2008 (+A1:2009).

90° SHORT RADIUS ELBOW (CXC)

SBS Code	Size (Inch)
SBSAC1214	1/4"
SBSAC12516	5/16"
SBSAC1238	3/8"
SBSAC1212	1/2"
SBSAC1258	5/8"
SBSAC1234	3/4"
SBSAC1278	7/8"
SBSAC12118	1 1/8"
SBSAC12138	1 3/8"
SBSAC12158	1 5/8"
SBSAC12218	2 1/8"
SBSAC12258	2 5/8"
SBSAC12318	3 1/8"
SBSAC12358	3 5/8"
SBSAC12418	4 1/8"

90° LONG RADIUS STREET ELBOW (FXC)

SBS Code	Size (Inch)
SBSAC18S14	1/4"
SBSAC18S516	5/16"
SBSAC18S38	3/8"
SBSAC18S12	1/2"
SBSAC18S58	5/8"
SBSAC18S34	3/4"
SBSAC18S78	7/8"
SBSAC18S118	1 1/8"
SBSAC18S138	1 3/8"
SBSAC18S158	1 5/8"
SBSAC18S218	2 1/8"
SBSAC18S258	2 5/8"
SBSAC18S318	3 1/8"
SBSAC18S358	3 5/8"
SBSAC18S418	4 1/8"

STRAIGHT COUPLER

SBS Code	Size (Inch)
SBSAC1316	3/16"
SBSAC114	1/4"
SBSAC1516	5/16"
SBSAC138	3/8"
SBSAC112	1/2"
SBSAC158	5/8"
SBSAC134	3/4"
SBSAC178	7/8"
SBSAC1118	1 1/8"
SBSAC1138	1 3/8"
SBSAC1158	1 5/8"
SBSAC1218	2 1/8"
SBSAC12.58	2 5/8"
SBSAC1318	3 1/8"
SBSAC1358	3 5/8"
SBSAC1418	4 1/8"

90° SHORT RADIUS STREET ELBOW (FXC)

SBS Code	Size (Inch)
SBSAC12S14	1/4"
SBSAC12S516	5/16"
SBSAC12S38	3/8"
SBSAC12S12	1/2"
SBSAC12S58	5/8"
SBSAC12S34	3/4"
SBSAC12S78	7/8"
SBSAC12S118	1 1/8"
SBSAC12S138	1 3/8"
SBSAC12S158	1 5/8"
SBSAC12S218	2 1/8"
SBSAC12S258	2 5/8"
SBSAC12S318	3 1/8"
SBSAC12S358	3 5/8"
SBSAC12S418	4 1/8"

45° ELBOW (CXC)

SBS Code	Size (Inch)
SBSAC2114	1/4"
SBSAC21516	5/16"
SBSAC2138	3/8"
SBSAC2112	1/2"
SBSAC2158	5/8"
SBSAC2134	3/4"
SBSAC2178	7/8"
SBSAC21118	1 1/8"
SBSAC21138	1 3/8"
SBSAC21158	1 5/8"
SBSAC21218	2 1/8"
SBSAC21258	2 5/8"
SBSAC21318	3 1/8"
SBSAC21358	3 5/8"
SBSAC21418	4 1/8"

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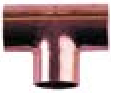
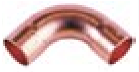


SBS Code	Size (Inch)
SBSAC2414	1/4"
SBSAC24516	5/16"
SBSAC2438	3/8"
SBSAC2412	1/2"
SBSAC2458	5/8"
SBSAC2434	3/4"
SBSAC2478	7/8"
SBSAC24118	1 1/8"
SBSAC24138	1 3/8"
SBSAC24158	1 5/8"
SBSAC24218	2 1/8"
SBSAC24258	2 5/8"
SBSAC24318	3 1/8"
SBSAC24358	3 5/8"
SBSAC24418	4 1/8"

90° LONG RADIUS ELBOW (CXC)

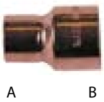


SBS Code	Size (Inch)
SBSAC1814	1/4"
SBSAC18516	5/16"
SBSAC1838	3/8"
SBSAC1812	1/2"
SBSAC1858	5/8"
SBSAC1834	3/4"
SBSAC1878	7/8"
SBSAC18118	1 1/8"
SBSAC18138	1 3/8"
SBSAC18158	1 5/8"
SBSAC18218	2 1/8"
SBSAC18258	2 5/8"
SBSAC18318	3 1/8"
SBSAC18358	3 5/8"
SBSAC18418	4 1/8"

45° STREET ELBOW (FXC)

SBS Code	Size (Inch)
SBSAC21S14	1/4"
SBSAC21S516	5/16"
SBSAC21S38	3/8"
SBSAC21S12	1/2"
SBSAC21S58	5/8"
SBSAC21S34	3/4"
SBSAC21S78	7/8"
SBSAC21S118	1 1/8"
SBSAC21S138	1 3/8"
SBSAC21S158	1 5/8"
SBSAC21S218	2 1/8"
SBSAC21S258	2 5/8"
SBSAC21S318	3 1/8"
SBSAC21S358	3 5/8"
SBSAC21S418	4 1/8"

REDUCING COUPLER



SBS Code	Size A (Inch)	Size B (Inch)
SBSAC1R51614	5/16"	1/4"
SBSAC1R3814	3/8"	1/4"
SBSAC1R1214	1/2"	1/4"
SBSAC1R1238	1/2"	3/8"
SBSAC1R5814	5/8"	1/4"
SBSAC1R5838	5/8"	3/8"
SBSAC1R5812	5/8"	1/2"
SBSAC1R3438	3/4"	3/8"
SBSAC1R3412	3/4"	1/2"
SBSAC1R3458	3/4"	5/8"
SBSAC1R7838	7/8"	3/8"
SBSAC1R7812	7/8"	1/2"
SBSAC1R7858	7/8"	5/8"
SBSAC1R7834	7/8"	3/4"
SBSAC1R11812	1 1/8"	1/2"
SBSAC1R11858	1 1/8"	5/8"
SBSAC1R11834	1 1/8"	3/4"
SBSAC1R11878	1 1/8"	7/8"
SBSAC1R13858	1 3/8"	5/8"
SBSAC1R13834	1 3/8"	3/4"
SBSAC1R13878	1 3/8"	7/8"
SBSAC1R138118	1 3/8"	1 1/8"
SBSAC1R15878	1 5/8"	7/8"
SBSAC1R158118	1 5/8"	1 1/8"
SBSAC1R158138	1 5/8"	1 3/8"
SBSAC1R21858	2 1/8"	5/8"
SBSAC1R21878	2 1/8"	7/8"
SBSAC1R218118	2 1/8"	1 1/8"
SBSAC1R218138	2 1/8"	1 3/8"
SBSAC1R218158	2 1/8"	1 5/8"
SBSAC1R258118	2 5/8"	1 1/8"
SBSAC1R258138	2 5/8"	1 3/8"
SBSAC1R258158	2 5/8"	1 5/8"
SBSAC1R258218	2 5/8"	2 1/8"
SBSAC1R318138	3 1/8"	1 3/8"
SBSAC1R318158	3 1/8"	1 5/8"
SBSAC1R318218	3 1/8"	2 1/8"
SBSAC1R318258	3 1/8"	2 5/8"
SBSAC1R358258	3 5/8"	2 5/8"
SBSAC1R358318	3 5/8"	3 1/8"
SBSAC1R418218	4 1/8"	2 1/8"
SBSAC1R418258	4 1/8"	2 5/8"
SBSAC1R418318	4 1/8"	3 1/8"
SBSAC1R418358	4 1/8"	3 5/8"

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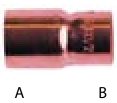
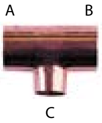


SBS Code	Size A (Inch)	Size B (Inch)
SBSAC63814	3/8"	1/4"
SBSAC61214	1/2"	1/4"
SBSAC61238	1/2"	3/8"
SBSAC65814	5/8"	1/4"
SBSAC65838	5/8"	3/8"
SBSAC65812	5/8"	1/2"
SBSAC63438	3/4"	3/8"
SBSAC63412	3/4"	1/2"
SBSAC63458	3/4"	5/8"
SBSAC67838	7/8"	3/8"
SBSAC67812	7/8"	1/2"
SBSAC67858	7/8"	5/8"
SBSAC67834	7/8"	3/4"
SBSAC611812	1 1/8"	1/2"
SBSAC611858	1 1/8"	5/8"
SBSAC611834	1 1/8"	3/4"
SBSAC611878	1 1/8"	7/8"
SBSAC613858	1 3/8"	5/8"
SBSAC613834	1 3/8"	3/4"
SBSAC613878	1 3/8"	7/8"
SBSAC6138118	1 3/8"	1 1/8"
SBSAC615858	1 5/8"	5/8"
SBSAC615834	1 5/8"	3/4"
SBSAC615878	1 5/8"	7/8"
SBSAC6158118	1 5/8"	1 1/8"
SBSAC6158138	1 5/8"	1 3/8"
SBSAC621858	2 1/8"	5/8"
SBSAC621878	2 1/8"	7/8"
SBSAC6218118	2 1/8"	1 1/8"
SBSAC6218138	2 1/8"	1 3/8"
SBSAC6218158	2 1/8"	1 5/8"
SBSAC6258118	2 5/8"	1 1/8"
SBSAC6258138	2 5/8"	1 3/8"
SBSAC6258158	2 5/8"	1 5/8"
SBSAC6258218	2 5/8"	2 1/8"
SBSAC6318138	3 1/8"	1 3/8"
SBSAC6318158	3 1/8"	1 5/8"
SBSAC6318218	3 1/8"	2 1/8"
SBSAC6318258	3 1/8"	2 5/8"
SBSAC6358258	3 5/8"	2 5/8"
SBSAC6358318	3 5/8"	3 1/8"
SBSAC6418218	4 1/8"	2 1/8"
SBSAC6418258	4 1/8"	2 5/8"
SBSAC6418318	4 1/8"	3 1/8"
SBSAC6418358	4 1/8"	3 5/8"

PIPE PRODUCTS

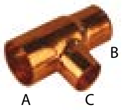
Copper Fittings

REDUCING BRANCH TEES



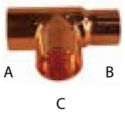
SBS Code	Size A (Inch)	Size B (Inch)	Size C (Inch)
SBSAC2551651614	5/16"	5/16"	1/4"
SBSAC25383814	3/8"	3/8"	1/4"
SBSAC25121214	1/2"	1/2"	1/4"
SBSAC25121238	1/2"	1/2"	3/8"
SBSAC25585814	5/8"	5/8"	1/4"
SBSAC25585838	5/8"	5/8"	3/8"
SBSAC25585812	5/8"	5/8"	1/2"
SBSAC25343438	3/4"	3/4"	3/8"
SBSAC25343412	3/4"	3/4"	1/2"
SBSAC25343458	3/4"	3/4"	5/8"
SBSAC25787838	7/8"	7/8"	3/8"
SBSAC25787812	7/8"	7/8"	1/2"
SBSAC25787834	7/8"	7/8"	3/4"
SBSAC2511811858	1 1/8"	1 1/8"	5/8"
SBSAC2511811812	1 1/8"	1 1/8"	1/2"
SBSAC2511811834	1 1/8"	1 1/8"	3/4"
SBSAC2511811878	1 1/8"	1 1/8"	7/8"
SBSAC2513813858	1 3/8"	1 3/8"	5/8"
SBSAC2513813878	1 3/8"	1 3/8"	7/8"
SBSAC25138138118	1 3/8"	1 3/8"	1 1/8"
SBSAC2515815812	1 5/8"	1 5/8"	1/2"
SBSAC2515815858	1 5/8"	1 5/8"	5/8"
SBSAC2515815878	1 5/8"	1 5/8"	7/8"
SBSAC25158158118	1 5/8"	1 5/8"	1 1/8"
SBSAC25158158138	1 5/8"	1 5/8"	1 3/8"
SBSAC2521821858	2 1/8"	2 1/8"	5/8"
SBSAC2521821878	2 1/8"	2 1/8"	7/8"
SBSAC25218218118	2 1/8"	2 1/8"	1 1/8"
SBSAC25218218138	2 1/8"	2 1/8"	1 3/8"
SBSAC25218218158	2 1/8"	2 1/8"	1 5/8"
SBSAC2525825858	2 5/8"	2 5/8"	5/8"
SBSAC2525825878	2 5/8"	2 5/8"	7/8"
SBSAC25258258118	2 5/8"	2 5/8"	1 1/8"
SBSAC25258258138	2 5/8"	2 5/8"	1 3/8"
SBSAC25258258158	2 5/8"	2 5/8"	1 5/8"
SBSAC25258258218	2 5/8"	2 5/8"	2 1/8"
SBSAC2531831878	3 1/8"	3 1/8"	7/8"
SBSAC25318318118	3 1/8"	3 1/8"	1 1/8"
SBSAC25318318138	3 1/8"	3 1/8"	1 3/8"
SBSAC25318318158	3 1/8"	3 1/8"	1 5/8"
SBSAC25318318218	3 1/8"	3 1/8"	2 1/8"
SBSAC25418418158	4 1/8"	4 1/8"	1 5/8"
SBSAC25418418218	4 1/8"	4 1/8"	2 1/8"
SBSAC25418418258	4 1/8"	4 1/8"	2 5/8"
SBSAC25418418318	4 1/8"	4 1/8"	3 1/8"

REDUCING END & BRANCH TEES



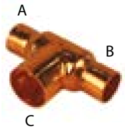
SBS Code	Size A (Inch)	Size B (Inch)	Size C (Inch)
SBSAC27341212	3/4"	1/2"	1/2"
SBSAC27345858	3/4"	5/8"	5/8"
SBSAC27381414	3/8"	1/4"	1/4"
SBSAC275161414	5/16"	1/4"	1/4"
SBSAC27123838	1/2"	3/8"	3/8"
SBSAC27581238	5/8"	1/2"	3/8"
SBSAC27581212	5/8"	1/2"	1/2"
SBSAC27583838	5/8"	3/8"	3/8"
SBSAC27583812	5/8"	3/8"	1/2"
SBSAC27785812	7/8"	5/8"	1/2"
SBSAC27785858	7/8"	5/8"	5/8"
SBSAC27781212	7/8"	1/2"	1/2"
SBSAC27781258	7/8"	1/2"	5/8"
SBSAC27783434	7/8"	3/4"	3/4"
SBSAC271185858	1 1/8"	5/8"	5/8"
SBSAC271185878	1 1/8"	5/8"	7/8"
SBSAC271187812	1 1/8"	7/8"	1/2"
SBSAC271187858	1 1/8"	7/8"	5/8"
SBSAC271187878	1 1/8"	7/8"	7/8"
SBSAC271387858	1 3/8"	7/8"	5/8"
SBSAC271387878	1 3/8"	7/8"	7/8"
SBSAC2713878118	1 3/8"	7/8"	1 1/8"
SBSAC2713811858	1 3/8"	1 1/8"	5/8"
SBSAC2713811878	1 3/8"	1 1/8"	7/8"
SBSAC27138118118	1 3/8"	1 1/8"	1 1/8"
SBSAC271587878	1 5/8"	7/8"	7/8"
SBSAC2715811878	1 5/8"	1 1/8"	7/8"
SBSAC27158118118	1 5/8"	1 1/8"	1 1/8"
SBSAC27158118138	1 5/8"	1 1/8"	1 3/8"
SBSAC2715813878	1 5/8"	1 3/8"	7/8"
SBSAC27158138118	1 5/8"	1 3/8"	1 1/8"
SBSAC27158138138	1 5/8"	1 3/8"	1 3/8"
SBSAC2721815878	2 1/8"	1 5/8"	7/8"
SBSAC27218118118	2 1/8"	1 1/8"	1 1/8"
SBSAC27218138118	2 1/8"	1 3/8"	1 1/8"
SBSAC27218138138	2 1/8"	1 3/8"	1 3/8"
SBSAC27218158118	2 1/8"	1 5/8"	1 1/8"
SBSAC27218158138	2 1/8"	1 5/8"	1 3/8"
SBSAC27218158158	2 1/8"	1 5/8"	1 5/8"
SBSAC27258218158	2 5/8"	2 1/8"	1 5/8"
SBSAC27258218218	2 5/8"	2 1/8"	2 1/8"

REDUCING END TEES



SBS Code	Size A (Inch)	Size B (Inch)	Size C (Inch)
SBSAC26381438	3/8"	1/4"	3/8"
SBSAC26123812	1/2"	3/8"	1/2"
SBSAC26583858	5/8"	3/8"	5/8"
SBSAC26581258	5/8"	1/2"	5/8"
SBSAC26781278	7/8"	1/2"	7/8"
SBSAC26785878	7/8"	5/8"	7/8"
SBSAC2611858118	1 1/8"	5/8"	1 1/8"
SBSAC2611878118	1 1/8"	7/8"	1 1/8"
SBSAC26138118138	1 3/8"	1 1/8"	1 3/8"
SBSAC2613858138	1 3/8"	5/8"	1 3/8"
SBSAC2613878138	1 3/8"	7/8"	1 3/8"
SBSAC2615878158	1 5/8"	7/8"	1 5/8"
SBSAC26158118158	1 5/8"	1 1/8"	1 5/8"
SBSAC26158138158	1 5/8"	1 3/8"	1 5/8"
SBSAC26218138218	2 1/8"	1 3/8"	2 1/8"
SBSAC26218158218	2 1/8"	1 5/8"	2 1/8"
SBSAC2625878258	2 5/8"	7/8"	2 5/8"

REDUCING TEES (BOTH ENDS)



SBS Code	Size A (Inch)	Size B (Inch)	Size C (Inch)
SBSAC28141438	1/4"	1/4"	3/8"
SBSAC28383812	3/8"	3/8"	1/2"
SBSAC28383858	3/8"	3/8"	5/8"
SBSAC28121258	1/2"	1/2"	5/8"
SBSAC28585834	5/8"	5/8"	3/4"
SBSAC28585878	5/8"	5/8"	7/8"
SBSAC285858118	5/8"	5/8"	1 1/8"
SBSAC28343478	3/4"	3/4"	7/8"
SBSAC287878118	7/8"	7/8"	1 1/8"
SBSAC28118118138	1 1/8"	1 1/8"	1 3/8"
SBSAC28118118158	1 1/8"	1 1/8"	1 5/8"
SBSAC28138138158	1 3/8"	1 3/8"	1 5/8"
SBSAC28138138218	1 3/8"	1 3/8"	2 1/8"
SBSAC28158158218	1 5/8"	1 5/8"	2 1/8"
SBSAC28218218258	2 1/8"	2 1/8"	2 5/8"

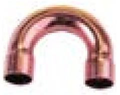
END CAPS

SBS Code	Size (Inch)
SBSAC6114	1/4"
SBSAC6138	3/8"
SBSAC6112	1/2"
SBSAC6158	5/8"
SBSAC6134	3/4"
SBSAC6178	7/8"
SBSAC61118	1 1/8"
SBSAC61138	1 3/8"
SBSAC61158	1 5/8"
SBSAC61218	2 1/8"
SBSAC61258	2 5/8"
SBSAC61318	3 1/8"
SBSAC61358	3 5/8"
SBSAC61418	4 1/8"

P-TRAPS

SBS Code	Size (Inch)
SBSACPT58	5/8"
SBSACPT34	3/4"
SBSACPT78	7/8"
SBSACPT118	1 1/8"
SBSACPT138	1 3/8"
SBSACPT158	1 5/8"
SBSACPT218	2 1/8"

U-BENDS



SBS Code	Size (Inch)
SBSAC2038	3/8"
SBSAC2012	1/2"
SBSAC2058	5/8"
SBSAC2034	3/4"
SBSAC2078	7/8"
SBSAC20118	1 1/8"
SBSAC20138	1 3/8"
SBSAC20158	1 5/8"
SBSAC20218	2 1/8"

TUBE ‘U’ STRAPS

SBS Code	Size (Inch)
SBSACTS14	1/4"
SBSACTS38	3/8"
SBSACUS12	1/2"
SBSACUS58	5/8"
SBSACUS34	3/4"
SBSACUS78	7/8"
SBSACUS118	1 1/8"
SBSACUS138	1 3/8"
SBSACUS158	1 5/8"
SBSACTS218	2 1/8"

PIPE PRODUCTS
Press Fit - RLS

Get reliable, flame-free connections in seconds with RLS press fittings. Just prep the copper tube ends and then let the battery-powered tool do the work. Their patented technology results in two 360º metal-to-metal connections with each press – creating a permanent mechanical joint every time, without the dangers of an open flame and flammable gas. The system comes with a 15 year warranty.

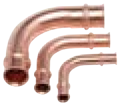
COUPLINGS

SBS Code	Size (Inch)
ACRLS114	1/4"
ACRLS1516	5/16"
ACRLS138	3/8"
ACRLS112	1/2"
ACRLS158	5/8"
ACRLS134	3/4"
ACRLS178	7/8"
ACRLS11	1"
ACRLS1118	1 1/8"
ACRLS1114	1 1/4"
ACRLS1138	1 3/8"
ACRLS1158	1 5/8"
ACRLS1218	2 1/8"

SLIP COUPLINGS

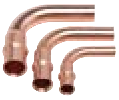
SBS Code	Size (Inch)
ACRLSSC14	1/4"
ACRLSSC38	3/8"
ACRLSSC12	1/2"
ACRLSSC58	5/8"
ACRLSSC34	3/4"
ACRLSSC78	7/8"
ACRLSSC118	1 1/8"
ACRLSSC138	1 3/8"

90° ELBOWS



SBS Code	Size (Inch)
ACRLS1214	1/4"
ACRLS12516	5/16"
ACRLS1238	3/8"
ACRLS1212	1/2"
ACRLS1258	5/8"
ACRLS1234	3/4"
ACRLS1278	7/8"
ACRLS121	1"
ACRLS12118	1 1/8"
ACRLS12114	1 1/4"
ACRLS12138	1 3/8"
ACRLS12158	1 5/8"
ACRLS12218	2 1/8"

90° STREET ELBOWS M/F



SBS Code	Size (Inch)
ACRLS12S38	3/8"
ACRLS12S12	1/2"
ACRLS12S58	5/8"
ACRLS12S34	3/4"
ACRLS12S78	7/8"
ACRLS12S118	1 1/8"
ACRLS12S138	1 3/8"

45° ELBOWS

SBS Code	Size (Inch)
ACRLS2138	3/8"
ACRLS2112	1/2"
ACRLS2158	5/8"
ACRLS2134	3/4"
ACRLS2178	7/8"
ACRLS21118	1 1/8"
ACRLS21138	1 3/8"
ACRLS21158	1 5/8"
ACRLS21218	2 1/8"

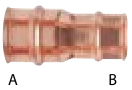
EQUAL TEES

SBS Code	Size (Inch)
ACRLS2412	1/2"
ACRLS2458	5/8"
ACRLS2434	3/4"
ACRLS2478	7/8"
ACRLS241	1"
ACRLS24118	1 1/8"
ACRLS24114	1 1/4"
ACRLS24138	1 3/8"
ACRLS24158	1 5/8"
ACRLS24218	2 1/8"

INSERT REDUCERS

SBS Code	Size A (Inch)	Size B (Inch)
ACRLS61238	1/2"	3/8"
ACRLS65812	5/8"	1/2"
ACRLS63458	3/4"	5/8"
ACRLS67834	7/8"	3/4"
ACRLS611878	1 1/8"	7/8"
ACRLS6138118	1 3/8"	1 1/8"

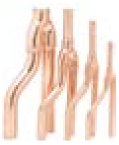
REDUCING COUPLERS



SBS Code	Size A (Inch)	Size B (Inch)
ACRLS1R3814	3/8"	1/4"
ACRLS1R1214	1/2"	1/4"
ACRLS1R1238	1/2"	3/8"
ACRLS1R5814	5/8"	1/4"
ACRLS1R5838	5/8"	3/8"
ACRLS1R5812	5/8"	1/2"
ACRLS1R3412	3/4"	1/2"
ACRLS1R3458	3/4"	5/8"
ACRLS1R7812	7/8"	1/2"
ACRLS1R7858	7/8"	5/8"
ACRLS1R7834	7/8"	3/4"
ACRLS1R178	1"	7/8"
ACRLS1R11812	1 1/8"	1/2"
ACRLS1R11858	1 1/8"	5/8"
ACRLS1R11834	1 1/8"	3/4"
ACRLS1R11878	1 1/8"	7/8"
ACRLS1R138118	1 3/8"	1/8"
ACRLS1R13878	1 3/8"	7/8"
ACRLS1R158118	1 5/8"	1 1/8"
ACRLS1R158138	1 5/8"	1 3/8"
ACRLS1R218138	2 1/8"	1 3/8"
ACRLS1R218158	2 1/8"	1 5/8"

PIPE PRODUCTS
Press Fit - RLS

REFNETS (Y-SPACE FITTINGS)



SBS Code	Size (Inch)
ACRLSRN38	3/8"
ACRLSRN12	1/2"
ACRLSRN58	5/8"
ACRLSRN34	3/4"
ACRLSRN78	7/8"
ACRLSRN118	1 1/8"
ACRLSRN138	1 3/8"

REFNETS (Y-SPACE FITTINGS) WITH INSULATION

SBS Code	Size (Inch)
ACRLSRNI38	3/8"
ACRLSRNI12	1/2"
ACRLSRNI58	5/8"
ACRLSRNI34	3/4"
ACRLSRNI78	7/8"
ACRLSRNI118	1 1/8"
ACRLSRNI138	1 3/8"

END CAPS

SBS Code	Size (Inch)
ACRLS6114	1/4"
ACRLS61516	5/16"
ACRLS6138	3/8"
ACRLS6112	1/2"
ACRLS6158	5/8"
ACRLS6134	3/4"
ACRLS6178	7/8"
ACRLS611	1"
ACRLS61118	1 1/8"
ACRLS61114	1 1/4"
ACRLS61138	1 3/8"

KLAUKE PRESS JAWS

SBS Code	Size (Inch)
ACRLS399021191040	1/4"
ACRLS399021191050	5/16"
ACRLS399021191060	3/8"
ACRLS399021191080	1/2"
ACRLS399021191100	5/8"
ACRLS399021191120	3/4"
ACRLS399021191140	7/8"
ACRLS399021191160	1"
ACRLS399021191180	1 1/8"
ACRLS399021191200	1 1/4"
ACRLS399021191220	1 3/8"
ACRLS399021321260	1 5/8" (requires actuator jaw to use)
ACRLS399021321340	2 1/8" (requires actuator jaw to use)
ACRLS399021321000	Klauke AC Actuator Jaw (required for use with collar jaw)

FLARE ADAPTORS

SBS Code	Size (Inch)
ACRLSFA14	1/4"
ACRLSFA38	3/8"
ACRLSFA12	1/2"
ACRLSFA58	5/8"
ACRLSFA34	3/4"

TOOLS & KITS

SBS Code	Description
ACRLS399031190801	RLS Klauke 8 Jaw 19kN Press Kit (Jaws only)
ACRLS399031190512	RLS Klauke 5 Jaw 19kN Press Kit (Jaws only)
ACRLS19TOOL	Klauke 19kN Press Tool Inc. Battery, Charger & Install Kit (No Jaws)
ACRLS32TOOL	Klauke 32kN Press Tool Inc. Battery, Charger & Install Kit (No Jaws)

BENEFITS OF RLS

SAVE TIME AND MONEY ON INSTALLATION

15 YEARS WARRANTY

A US MARKET LEADER

HIGH QUALITY & LOW COST

NO HOT WORKS PERMIT REQUIRED

PIPE PRODUCTS
Press Fit - MaxiPro

A robust press system that is quick and simple to use providing a secure and permanent joint. Compared with traditional techniques it significantly improves productivity through greatly reduced installation time and enhanced working flexibility. MaxiPro can be used with hard, half-hard, or annealed copper tube.

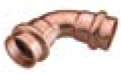
COUPLERS

SBS Code	Size (Inch)	Bag Qty
SBSMP114	1/4"	5
SBSMP138	3/8"	5
SBSMP112	1/2"	5
SBSMP158	5/8"	5
SBSMP134	3/4"	2
SBSMP178	7/8"	2
SBSMP11	1"	2
SBSMP1118	1 1/8"	2
SBSMP1138	1 3/8"	2

REDUCING COUPLERS

SBS Code	Size A (Inch)	Size B (Inch)	Bag Qty
SBSMP1R1238	1/2"	3/8"	2
SBSMP1R5838	5/8"	3/8"	2
SBSMP1R5812	5/8"	1/2"	2
SBSMP1R3438	3/4"	3/8"	2
SBSMP1R3412	3/4"	1/2"	2
SBSMP1R3458	3/4"	5/8"	2
SBSMP1R7812	7/8"	1/2"	2
SBSMP1R7858	7/8"	5/8"	2
SBSMP1R7834	7/8"	3/4"	2
SBSMP1R11858	1 1/8"	5/8"	1
SBSMP1R11834	1 1/8"	3/4"	1
SBSMP1R11878	1 1/8"	7/8"	1
SBSMP1R13878	1 3/8"	7/8"	1
SBSMP1R138118	1 3/8"	1 1/8"	1

90° ELBOWS



SBS Code	Size (Inch)	Bag Qty
SBSMP1214	1/4"	5
SBSMP1238	3/8"	5
SBSMP1212	1/2"	3
SBSMP1258	5/8"	3
SBSMP1234	3/4"	3
SBSMP1278	7/8"	3
SBSMP121	1"	2
SBSMP12118	1 1/8"	2
SBSMP12138	1 3/8"	1

45° ELBOWS

SBS Code	Size (Inch)	Bag Qty
SBSMP2114	1/4"	3
SBSMP2138	3/8"	3
SBSMP2112	1/2"	3
SBSMP2158	5/8"	3
SBSMP2134	3/4"	3
SBSMP2178	7/8"	3
SBSMP211	1"	2
SBSMP21118	1 1/8"	2
SBSMP21138	1 3/8"	2

90° STREET ELBOWS

SBS Code	Size (Inch)	Bag Qty
SBSMP12S38	3/8"	3
SBSMP12S12	1/2"	3
SBSMP12S58	5/8"	3
SBSMP12S34	3/4"	3
SBSMP12S78	7/8"	3
SBSMP12S1	1"	2
SBSMP12S118	1 1/8"	2
SBSMP12S138	1 3/8"	1

EQUAL TEES

SBS Code	Size (Inch)	Bag Qty
SBSMP2414	1/4"	3
SBSMP2438	3/8"	3
SBSMP2412	1/2"	3
SBSMP2458	5/8"	2
SBSMP2434	3/4"	2
SBSMP2478	7/8"	2
SBSMP241	1"	1
SBSMP24118	1 1/8"	1
SBSMP24138	1 3/8"	1

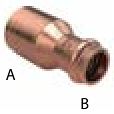
STOP ENDS

SBS Code	Size (Inch)	Bag Qty
SBSMP6114	1/4"	3
SBSMP6138	3/8"	3
SBSMP6112	1/2"	3
SBSMP6158	5/8"	2
SBSMP6134	3/4"	2
SBSMP6178	7/8"	2
SBSMP611	1"	1
SBSMP61118	1 1/8"	1
SBSMP61138	1 3/8"	1

FLARE ADAPTORS

SBS Code	Size (Inch)	Bag Qty
SBSMPFA14	1/4"	4
SBSMPFA38	3/8"	4
SBSMPFA12	1/2"	2
SBSMPFA58	5/8"	2
SBSMPFA34	3/4"	2

INSERT REDUCER



SBS Code	Size A (Inch)	Size B (Inch)	Bag Qty
SBSMP61238	1/2"	3/8"	2
SBSMP63814	3/8"	1/4"	2
SBSMP63412	3/4"	1/2"	2
SBSMP63458	3/4"	5/8"	2
SBSMP65812	5/8"	1/2"	2
SBSMP65838	5/8"	3/8"	2
SBSMP67812	7/8"	1/2"	2
SBSMP67858	7/8"	5/8"	2
SBSMP67834	7/8"	3/4"	2
SBSMP611812	1 1/8"	1/2"	1
SBSMP611858	1 1/8"	5/8"	1
SBSMP611834	1 1/8"	3/4"	1
SBSMP611878	1 1/8"	7/8"	1
SBSMP613878	1 3/8"	7/8"	1
SBSMP6138118	1 3/8"	1 1/8"	1

TOOLING

SBS Code	Description
ACMAXIPROTOOL	Maxipro Tool Set c/w Charger,Battery & Set of Jaws 1/4"- 1 1/8”
AC1000002943	Rothenberger 1 3/8" Maxipro Press Jaw Romax 4000
MAXIPROSTARTERKIT	Compact TT Starter Kit 1/4" - 1 1/8" Inc. 90 Fittings

PIPE PRODUCTS

Tool Hire & Compatibility Matrix

			Jaw Manufacturer				
			Klauke			RIDGID	Milwaukee
Tool Manufacturer	**Model(s)**	**Size Range**	**15 KN**	**19 KN**	**32 KN**	**19 KN**	**32 KN**
Klauke	MAP2L	1/4" - 1 1/8"	✓				
	MAP2L19	1/4" - 1 3/8"		✓			
	UAP 332	1/4" - 1 3/8"			✓		✓
	UAP 432	1/4" - 1 3/8"			✓		✓
Rothenberger	Romax Compact	1/4" - 1 3/8"		✓			
	Romax 3000	1/4" - 1 3/8"			✓		✓
	Romax 4000	1/4" - 1 3/8"			✓		✓
NIBCO	PC-20M	1/4" - 1 1/8"	✓				
RIDGID	RP200	1/4" - 1 3/8"				✓	
	RP210	1/4" - 1 3/8"				✓	
	RP240	1/4" - 1 3/8"				✓	
	RP241	1/4" - 1 3/8"				✓	
	RP330	1/4" - 1 3/8"			✓		✓
	RP340	1/4" - 1 3/8"			✓		✓
	RP350	1/4" - 1 3/8"			✓		✓
	RP351	1/4" - 1 3/8"			✓		✓
Milwaukee	M12	1/4" - 1 3/8"				✓	
	M18	1/4" - 1 3/8"			✓		✓
Viega	Pressgun Picco 6	1/4" - 1 3/8"				✓	
	Pressgun 6	1/4" - 1 3/8"					✓
Novopress	ACO103	1/4" - 1 3/8"		✓			
	ACO203	1/4" - 1 3/8"			✓		✓
	ECO203	1/4" - 1 3/8"			✓		✓
	EFP203	1/4" - 1 3/8"			✓		✓
DeWalt	DCE200	1/4" - 1 3/8"			✓		✓

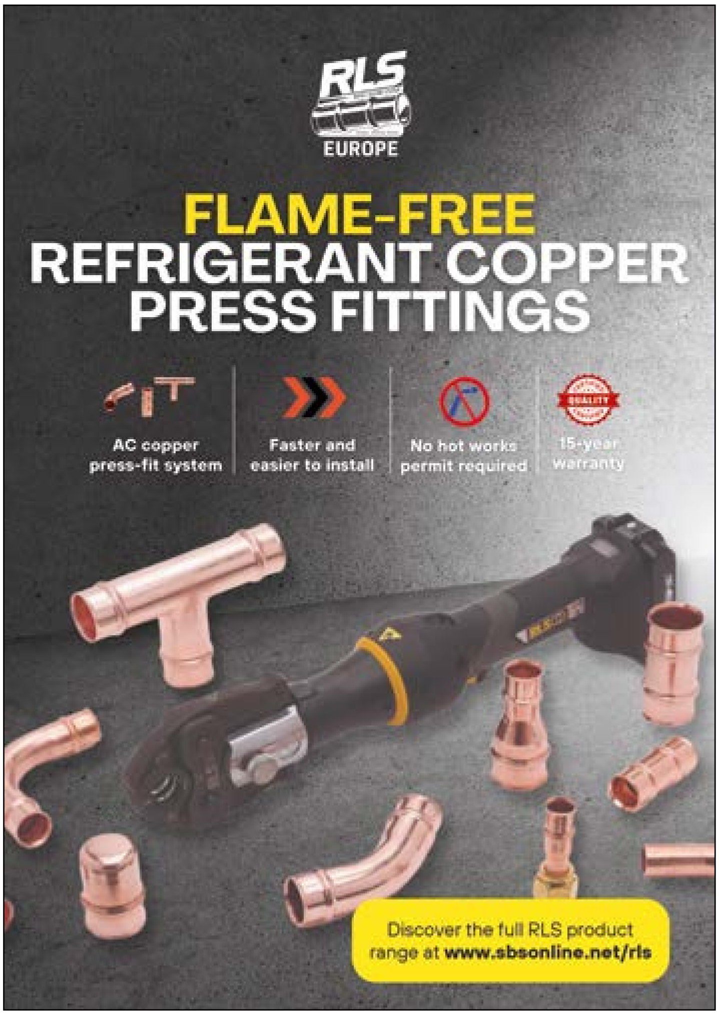
Both MaxiPro & RLS tooling are available through our Tool Hire partner

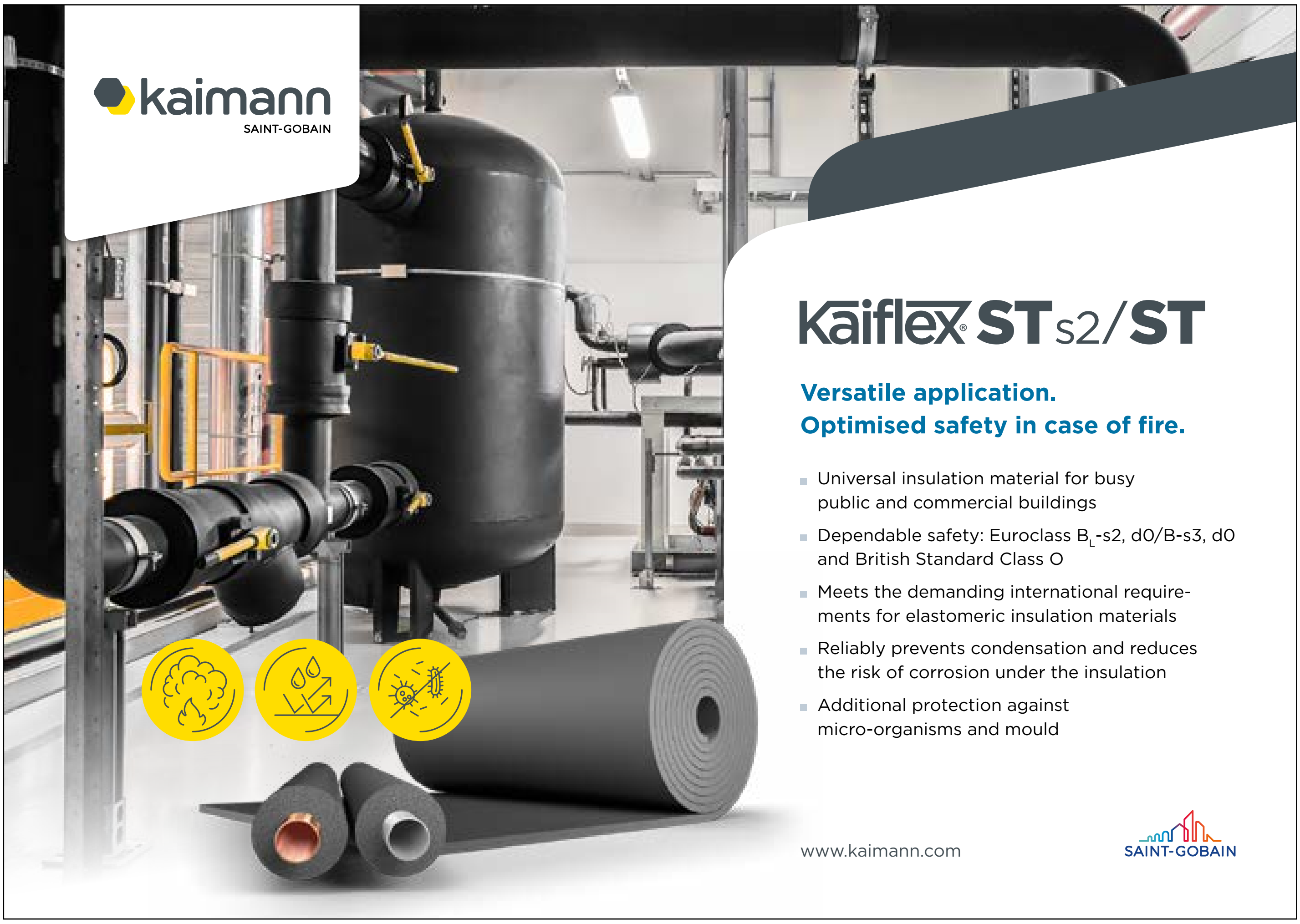
MEP

Haven't got a Tool Hire Account?
Scan the QR code to access the account form.

T: 0844 892 1902
E: sbs.hirestation@vpplc.com

MEP Hire
Mechanical, Electrical & Low Level Access Specialists





INSTALLATION ACCESSORIES

Stud Mounted Clips

These clips provide a neat and professional appearance to the installation, contributing to the overall aesthetic quality of the job. Their design ensures that they do not compromise the vapour seal of the insulation.

A snap-on installation method onto threaded rods makes these clips quick and straightforward to use. This can save time and effort during installation or maintenance tasks.

M8 STUD CLIP

SBS Code	Size (Inch)	Bag Qty
ACSC0815	5/8"	10
ACSC0820	3/4"	10
ACSC0822	7/8"	10
ACSC0825	1"	10
ACSC0828	1 1/8"	10
ACSC0832	1 1/4"	10
ACSC0835	1 3/8"	10
ACSC0840	1 1/2"	10
ACSC0842	1 5/8"	10
ACSC0850	2"	10

M10 STUD CLIP

SBS Code	Size (Inch)	Bag Qty
ACSC1015	5/8"	10
ACSC1020	3/4"	10
ACSC1022	7/8"	10
ACSC1025	1"	10
ACSC1028	1 1/8"	10
ACSC1032	1 1/4"	10
ACSC1035	1 3/8"	10
ACSC1040	1 1/2"	10
ACSC1042	1 5/8"	10
ACSC1050	2″	10
ACSC1054	2 1/8″	10

ASPEN XTRA STUD CLIP

SBS Code	Size	Size (Inch)	Bag Qty
ACB6805	M8	7/8"	10
ACB6809	M8	1 3/8"	10
ACB6819	M10	7/8"	10
ACB6823	M10	1 3/8"	10

OVERFLOW STUD MOUNT CLIP

SBS Code	Colour	Size (Inch)	Bag Qty
ACB7649	Black	3/4"	10
ACB7647	Black	1 1/4"	10
ACB7613	White	3/4"	10
ACB7611	White	1 1/4"	10

BBJ METAL SUSPENSION HANGERS

SBS Code	Liquid (Inch)	Gas (Inch)	Pack Qty
ACB6492	3/8"	5/8"	10
ACB6493	1/2"	7/8"	10
ACB6494	5/8"	1 1/8"	10

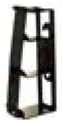
BBJ PLASTIC SUSPENSION HANGERS

SBS Code	Liquid (Inch)	Gas (Inch)	Pack Qty
ACB6543/5	3/8"	5/8"	5
ACB6544/5	1/2"	7/8"	5
ACB6545/5	5/8"	1 1/8"	5

SQUEEZY-FIT PIPE HANGER

SBS Code	Liquid (Inch)	Gas (Inch)	Pack Qty
ACTRH1	1/4"	1/2"	10
ACTRH2	3/8"	5/8"	10
ACTRH3	1/2"	7/8"	10
ACTRH4	5/8"	1 1/8"	10

ASPEN 3 PIPE CLIP



SBS Code	Liquid (Inch)	Gas (Inch)	Bag Qty
ACB6361/5	3/8"	1"	5
ACB6362/5	1/2"	1 1/8"	5
ACB6363/5	5/8"	1 1/8"	5
ACB6364/5	7/8"	1 3/8"	5

ASPEN PINCH CLIP

SBS Code	Liquid (Inch)	Gas (Inch)	Pack Qty
ACB6561/10 (Size 2)	3/8"	5/8"	10
ACB6562/10 (Size 3)	1/2"	7/8"	10
ACB6563/10 (Size 4)	5/8"	1 1/8"	10

ASPEN GRAB CLIP

SBS Code	Liquid (Inch)	Gas (Inch)	Pack Qty
ACB2080/10	3/8″	5/8″	10
ACB2081/10	1/2″	7/8″	10
ACB2082/10	5/8″	1 1/8″	10

INSTALLATION ACCESSORIES
Channel & Wall Mounted Clips

Channel Mounted Clips

Clips designed for rapid single-handed installation, whilst providing structural support for pipes, ducts, and conduits, preventing them from sagging or shifting over time. These can be used in various HVAC applications, including residential and commercial systems.

CUSHION CLAMP

SBS Code	Size (Inch)	Pack Qty
ACCC004	1/4"	10
ACCC006	3/8"	10
ACCC008	1/2"	10
ACCC010	5/8"	10
ACCC012	3/4"	10
ACCC014	7/8"	10
ACCC018	1 1/8"	10
ACCC022	1 3/8"	10
ACCC026	1 5/8"	10
ACCC034	2 1/8"	5
ACCC042	2 5/8"	5
ACCC050	3 1/8"	5
ACCC058	3 5/8”	5
ACCC066	4 1/8”	5

CHANNEL CLIP

SBS Code	Size (Inch)	Pack Qty
ACB6842	1/4"	10
ACB6844	3/8"	10
ACB6843	1/2"	10
ACB6845	5/8"	10
ACB6846	3/4"	10
ACB6847	7/8"	10
ACB6848	1"	10
ACB6849	1 1/8"	10
ACB6850	1 1/4"	10
ACB6851	1 3/8"	10
ACB6852	1 1/2"	10
ACB6853	1 5/8”	10

QPC CLIP

SBS Code	Size (Inch)	Pack Qty
ACQPC0014	1/4"	10
ACQPC0038	3/8"	10
ACQPC0012	1/2"	10
ACQPC0058	5/8"	10
ACQPC0034	3/4"	10
ACQPC0078	7/8"	10
ACQPC0118	1 1/8"	10
ACQPC0138	1 3/8"	10
ACB6538	1 5/8"	10

RPC CHANNEL CLIP

SBS Code	Size (Inch)	Pack Qty
ACRPC0014	1/4"	10
ACRPC0038	3/8"	10
ACRPC0012	1/2"	10
ACRPC0058	5/8"	10
ACRPC0034	3/4"	10
ACRPC0078	7/8"	10
ACRPC0118	1 1/8"	10
ACRPC0138	1 3/8"	10
ACRPC0158	1 5/8"	10

K-KLAMP

1/2” Wall		3/4” Wall	
SBS Code	**Size (Inch)**	**SBS Code**	**Size (Inch)**
ACK1238	3/8"	ACK3414	1/4"
ACK1212	1/2"	ACK3438	3/8"
ACK1258	5/8"	ACK3412	1/2"
ACK1234	3/4"	ACK3458	5/8"
ACK1278	7/8"	ACK3478	7/8"
ACK12100	1"	ACK34118	1 1/8"
ACK12118	1 1/8"	ACK34138	1 3/8"
ACK12138	1 3/8"	ACK34158	1 5/8"
ACK12158	1 5/8"	ACK34218	2 1/8"
ACK12218	2 1/8"	ACK34258	2 5/8"
ACK12258	2 5/8"	ACK34318	3 1/8"
ACK12318	3 1/8"	ACK34358	3 5/8"
ACK12358	3 5/8"	ACK34418	4 1/8"
ACK12418	4 1/8"		

RPC INSUCLIP

SBS Code	Size (Inch)	Pack Qty
ACIC0015	5/8"	10
ACIC0020	3/4"	10
ACIC0022	7/8"	10
ACIC0025	1"	10
ACIC0028	1 1/8"	10
ACIC0032	1 1/4"	10
ACIC0035	1 3/8"	10
ACIC0040	1 1/2"	10
ACIC0042	1 5/8"	10
ACIC0050	2"	10
ACIC0054	2 1/8"	10

Wall Mounted Clips

AC wall-mounted clips are designed to bear the weight of the AC unit, which can vary depending on the size and type of the unit. By firmly securing the AC unit in place, these clips help maintain stability and prevent any movement or vibrations that could affect the unit’s performance.

GRIPLOCKS

SBS Code	Liquid (Inch)	Gas (Inch)	Bag Qty
ACGRIPLOCK1	1/4"	1/2"	10
ACGRIPLOCK2	3/8"	5/8"	10
ACGRIPLOCK3	1/2"	7/8"	10
ACGRIPLOCK4	5/8"	1 1/8"	10

GRIP FIT CLAMPS

SBS Code	Liquid (Inch)	Gas (Inch)	Bag Qty
ACGFC1 (Size 1)	1/4"	1/2"	10
ACGFC2 (size 2)	3/8"	5/8"	10
ACGFC3 (size 3)	1/2"	7/8"	10
ACGFC4 (size 4)	5/8"	1 1/8"	10

INSTALLATION ACCESSORIES

Rubber Lined/Brass Fixings & Accessories

Smith Brothers stock rubber-lined clips, designed to securely hold pipes and tubing in air conditioning systems while preventing damage and vibration. We also offer brass clips, known for their durability and corrosion resistance.

RUBBER LINED CLIP

SBS Code	Bore (of boss)	Size (Inch)
LC010	M8/M10	1/4"
LC015	M8/M10	1/2″
LC020	M8/M10	3/4″
LC025	M8/M10	1"
LC032	M8/M10	1 1/4"
LC040	M8/M10	1 1/2″
LC050	M8/M10	2″
LC065	M8/M10	2 1/2″

PRESSED BRASS SCHOOL BOARD CLIP

SBS Code	Size (mm)
PBSB015	15
PBSB022	22
PBSB028	28
PBSB035	35
PBSB042	42
PBSB054	54

CAST BRASS SINGLE SPLIT RING

SBS Code	Bore (of boss)	Size (mm)
CBSS015	M10	15
CBSS022	M10	22
CBSS028	M10	28
CBSS035	M10	35
CBSS042	M10	42
CBSS054	M10	54

CAST BRASS SCHOOL BOARD CLIP

SBS Code	Size (mm)
CBSB015	15
CBSB022	22
CBSB028	28
CBSB035	35
CBSB042	42
CBSB054	54

CAST BRASS DOUBLE SPLIT RING

SBS Code	Bore (of boss)	Size (mm)
CBDS015	M10	15
CBDS022	M10	22
CBDS028	M10	28
CBDS035	M10	35
CBDS042	M10	42
CBDS054	M10	54

TALON SINGLE HINGED CLIP

SBS Code	Size (mm)
TALSHC010	10
TALSHC015	15
TALSHC022	22
TALSHC028	28

BACKPLATES

SBS Code	Description
CBBPM	M10 Cast Brass Backplate (Male)
CBBPF	M10 Cast Brass Backplate (Female)
DBP	M8/M10 Zinc Dual Plated

TALON DOUBLE HINGED CLIP

SBS Code	Size (mm)
TALDHC010	10
TALDHC015	15
TALDHC022	22

ALL ROUND BANDING COILS (10M)

SBS Code	Size (mm)
ARBB012	12 (Plastic Coated)
ARB012	13

Larger size clips are available from stock...

View our full range

SCAN ME

INSTALLATION ACCESSORIES
Cable Tray & Fittings

We supply a comprehensive range of durable, high-quality cable trays and fittings designed to support the installation of air conditioning units and associated wiring. Engineered for fast installation and long-lasting performance, our selection ensures secure and efficient routing of cables, helping to create organised, reliable setups for HVAC systems.

CABLE TRAY (3M)

SBS Code	Size (mm)
KLMR50UT	50
KLMR75UT	75
KLMR100UT	100
KLMR150UT	150
KLMR225UT	225
KLMR300UT	300
KLMR450UT	450
KLMR600UT	600

MD EQUAL TEE

SBS Code	Description
TUMT075PG	75
TUMT100PG	100
TUMT150PG	150
TUMT225PG	225
TUMT300PG	300
TUMT450PG	450

MD FLAT BEND 90°

SBS Code	Size (mm)
TUMB100/90PG	100
TUMB150/90PG	150
TUMB225/90PG	225
TUMB300/90PG	300
TUMB450/90PG	450
TUMB600/90PG	600

MD FLAT BEND 45°

SBS Code	Size (mm)
TUMB100/45PG	100
TUMB150/45PG	150
TUMB225/45PG	225
TUMB300/45PG	300
TUMB450/45PG	450

REDUCERS

SBS Code	Size (mm)
ACX-CTMD-R-300150	300 x 150mm
ACX-CTMD-R-600450	600 x 450mm
TUMSR300/100PG	300 x 100mm
TUMSR300/150PG	300 x 150mm
TUMSR300/225PG	300 x 225mm
TUMSR450/100PG	450 x 100mm
TUMSR450/150PG	450 x 150mm
TUMSR450/225PG	450 x 225mm
TUMSR450/300PG	450 x 300mm
TUMSR600/150PG	600 x 150mm
TUMSR600/225PG	600 x 225mm
TUMSR600/300PG	600 x 300mm
TUMSR600/450PG	600 x 450mm

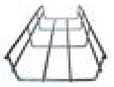
MD EQUAL CROSS

SBS Code	Size (mm)
TUMX050PG	50mm
TUMX075PG	75mm
TUMX100PG	100mm
TUMX150PG	150mm
TUMX225PG	225mm
TUMX300PG	300mm
TUMX450PG	450mm
TUMX600PG	600mm

MD ADJ RISER

TUMAR050PG	50mm
TUMAR075PG	75mm
TUMAR100PG	100mm
TUMAR150PG	150mm
TUMAR225PG	225mm
TUMAR300PG	300mm
TUMAR450PG	450mm
TUMAR600PG	600mm

BASKET TRAY (3M)



SBS Code	Width (mm)	Depth (mm)
ACBT60	60	60
ACBT100	100	60
ACBT150	150	60
ACBT200	200	60
ACBT300	300	60
ACBT400	400	60
ACBT600	600	60

OVERHEAD HANGER

SBS Code		Size
Unistrut	Unitrunk	
ACOCBL050	OH50UK	50
ACOCBL075	OH75UK	75
ACOCBL100	OH100UK	100
ACOCBL150	OH150UK	150
ACOCBL225	OH225UK	225
ACOCBL300	OH300UK	300

FIXINGS & MOUNTS

SBS Code	Description	Bag Qty
ACCTM2	Cable Tie Fixing Bolt Back	100
ACCTM1	Cable Tie Mount Screw Fixing	100
ACCTMA2828	Cable Tie Mount Self Sticking	100

HANGER, COUPLER & CLAMP

SBS Code	Description
ACBTCSH	Basket Tray Central Support Hanger (Pair)
ACBTSH	Basket Tray Suspension Hanger
ACBTC	Basket Tray Coupler (Pair)
ACMR/SC	Cable Tray Straight Wrap Around Coupler (Pair)
ACKLMR/SCUK	Straight Coupler (Pair) - Unitrunk
ACBTCHDC	Basket Tray Hold Down Clamp
ACBTJK	Basket Tray Jointing Kit (4 Part Clamp Kit)

PG STAND OFF BRACKET

SBS Code		Size
Unistrut	Diversitech	
ACTUTSB050PG	n/a	50
ACTUTSB075PG	n/a	75
ACTUTSB100PG	ACCTSOB100	100
ACTUTSB150PG	ACCTSOB150	150
ACTUTSB225PG	ACCTSOB225	225
ACTUTSB300PG	ACCTSOB300	300

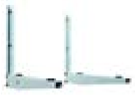
INSTALLATION ACCESSORIES
Bracketry, Guard and Mounting

Our range includes bracketry, collection trays, and mounting feet and pads. Each product is designed for optimal performance and ensure secure installations.

STRUT DIRECT CONDENSING UNIT BRACKET

SBS Code	Arm (mm)	Width (mm)	Safe Load (Kg)
ACSBP450	450	800	60
ACSBP550	550	800	90
ACSBH550	550	850	140

TYPE 1 BRACKET

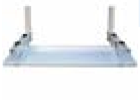


SBS Code	Arm (mm)	Max Load (kg)
ACCBR1S	480	60
ACCBR1M	530	90
ACCBR1L	580	140
ACCBR1XXL	1000	250

TYPE 2 WALL MOUNTING BRACKET

SBS Code	Arm (mm)	Width (mm)	Safe Load (Kg)
ACCBR2S	400	720	60
ACCBR2M	500	900	90
ACCBR2L	540	1040	140
ACCBR2EL	660	1040	250

PVC CONDENSE COLLECTION TRAY



SBS Code	Width (mm)	Length (mm)
ACCCT790	390	790
ACCCT940	420	940

METAL CONDENSE COLLECTION TRAY

SBS Code	Width (mm)	Length (mm)
ACCCTM800	400	800
ACCCTM1080	500	1080
ACCCTM1100	400	1100
ACCCTM1300	550	1300
ACCCTM1400	400	1400
ACCCTM1420BL	500	1420

PVC CONDENSER BLOCK

SBS Code	Size (mm)
SFCB450	450
SFCB600	600
SFCB1000	1000

CANTILEVER ARM

SBS Code	Size (mm)
TS40150	150
TS40300	300
TS40450	450
TS40600	600
TS40750	750
TS40900	900

WEBBED CANTILEVER ARM

SBS Code	Size (mm)
ACCA600W	600
ACCA750W	750

DOUBLE CANTILEVER ARM

SBS Code	Size (mm)
ACCA600D	600

RUBBER FOOT WITH STRUT

SBS Code	Size (mm)	Max Load (kg)
SFFX250	250	160
SFFX400	400	240
SFFX600	600	450
SFFX1000	1000	645

H-FRAME KITS

SBS Code	Size (mm)	Safe Working Load (kg)
SFHKF305	305	350
SFHKF500	500	500

ANTI VIBRATION MOUNT STRIP

SBS Code	Length (mm)	Width (mm)	Depth (mm)
AVMS1	500	50	15
AVMS2	1000	75	15
AVMS3	1200	75	15
AVMS4	1000	100	15
AVMSCR3*	1200	75	12.5
AVMSCR4*	1200	100	12.5

* Lighter cork rubber

INSTALLATION ACCESSORIES

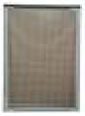
Bracketry, Guard and Mounting

We offer a variety of guards designed to provide both protection and style. Crafted for durability and a sleek appearance, these guards safeguard condensing units, with additional options designed to enhance the system's overall look.

DIVERSITECH CONDENSING UNIT GUARDS

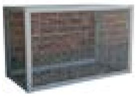
SBS Code	Size	Height (mm)	Width (mm)	Depth (mm)
ACCUGS	Small	720	1020	450
ACCUGM	Medium	1120	1120	640
ACCUGL	Large	1420	1120	640
ACCUGXL	Extra-Large	1800	1150	650

DIVERSITECH BACK PANEL FOR CONDENSING GUARD



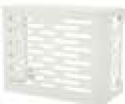
SBS Code	Size
ACCGFPS	Small
ACCGFPM	Medium
ACCGFPL	Large

DIVERSITECH 500 SERIES CONDENSING GUARD



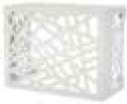
SBS Code	Size	Height (mm)	Width (mm)	Depth (mm)
ACCG500S	Small	620	1050	500
ACCG500M	Medium	1020	1050	500
ACCG500L	Large	1420	1050	500
ACCG500BPSML	Sml/Med/Lrg	Base Panel for 500 Series		

AMBRA DESIGN BOX



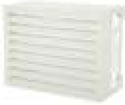
SBS Code	Size	Length (mm)	Width (mm)	Depth (mm)	Colour
ACM1891071	Small	900	680	450-650	White
ACM1891095	Small	900	680	450-650	Black
ACM1891171	Medium	1050	950	650-850	White
ACM1891195	Medium	1050	950	650-850	Black
ACM1891271	Large	1150	1200	650-850	White
ACM1891295	Large	1150	1200	650-850	Black
ACM1891571	X-Large	1400	1200	650-850	White
ACM1891595	X-Large	1400	1200	650-850	Black
ACM1891371	XX-Large	1400	1600	650-850	White
ACM1891395	XX-Large	1400	1600	650-850	Black
ACM1891471	XXX-Large	1400	2000	650-850	White
ACM1891495	XXX-Large	1400	2000	650-850	Black

DIAMANTE DESIGN BOX



SBS Code	Size	Length (mm)	Width (mm)	Depth (mm)	Colour
ACM3891071	Small	900	680	450-650	White
ACM3891095	Small	900	680	450-650	Black
ACM3891171	Medium	1050	950	650-850	White
ACM3891195	Medium	1050	950	650-850	Black
ACM3891271	Large	1150	1200	650-850	White
ACM3891295	Large	1150	1200	650-850	Black
ACM3891571	X-Large	1400	1200	650-850	White
ACM3891595	X-Large	1400	1200	650-850	Black
ACM3891371	XX-Large	1400	1600	650-850	White
ACM3891395	XX-Large	1400	1600	650-850	Black
ACM3891471	XXX-Large	1400	2000	650-850	White
ACM3891495	XXX-Large	1400	2000	650-850	Black

GIADA DESIGN BOX



SBS Code	Size	Length (mm)	Width (mm)	Depth (mm)	Colour
ACM4891071	Small	900	680	450-650	White
ACM4891095	Small	900	680	450-650	Black
ACM4891171	Medium	1050	950	650-850	White
ACM4891195	Medium	1050	950	650-850	Black
ACM4891271	Large	1150	1200	650-850	White
ACM4891295	Large	1150	1200	650-850	Black
ACM4891571	X-Large	1400	1200	650-850	White
ACM4891595	X-Large	1400	1200	650-850	Black
ACM4891371	XX-Large	1400	1600	650-850	White
ACM4891395	XX-Large	1400	1600	650-850	Black
ACM4891471	XXX-Large	1400	2000	650-850	White
ACM4891495	XXX-Large	1400	2000	650-850	Black

INSTALLATION ACCESSORIES

Channel & Threaded Rod

Smith Brothers offers a comprehensive range of channel lengths and fittings to meet your requirements. Our heavy and slotted channel is manufactured to meet the British specification for metal channel cable support systems (BS6946:1988).

LIGHT SLOTTED CHANNEL

SBS Code	Size (mm)	Thickness (mm)	Length (m)
TSS4213M	41 x 21	1.6	3
TSS4216M	41 x 21	1.6	6
TSS4413M	41 x 41	1.6	3
TSS4416M	41 x 41	1.6	6

HEAVY SLOTTED CHANNEL

SBS Code	Size (mm)	Thickness (mm)	Length (m)
TSS4223M	41 x 21	2.5	3
TSS4226M	41 x 21	2.5	6
TSS4423M	41 x 41	2.5	3
TSS4426M	41 x 41	2.5	6

BACK TO BACK CHANNEL

SBS Code	Size (mm)	Thickness (mm)	Length (m)	Type
TSS8423MSL	82 x 41	2.5	3	Slotted
TSS8426MSL	82 x 41	2.5	6	Slotted
TSS8426M	82 x 41	2.5	6	Plain

CHANNEL CONNECTOR

SBS Code	Size (mm)	Type
GB42A21	41 x 21	Internal
GB42A41	41 x 41	Internal
GB41A41	41 x 41	External

CHANNEL SLIDE NUT (NO SPRING)

SBS Code	Size
TSSNM06	M6
TSSNM08	M8
TSSNM10	M10
TSSNM12	M12

CHANNEL SLIDE NUT (SHORT SPRING)

SBS Code	Size
TSSNSM06	M6
TSSNSM08	M8
TSSNSM10	M10
TSSNSM12	M12

CHANNEL SLIDE NUT

SBS Code	Size
TSSNLM06	M6
TSSNLM08	M8
TSSNLM10	M10
TSSNLM12	M12

G CLAMP

SBS Code	Size
IH223AM08	M8
IH223AM10	M10
IH223AM12	M12

PURLIN CLIP

SBS Code	Size
EM57420803	M8
IH241AM10	M10
IH241AM12	M12
ACXPC (box of 100)	M10

BACKPLATE

SBS Code	Size	Finish
DBP	M8/M10	Standard
BPGM10	M10	Galvanised
BPGM12	M12	Galvanised

Threaded Rod

Our BZP mild steel threaded rod, or studrod as it is often known, is available from diameters starting in M6, and in 1 and 3 metre lengths. The range is also completed by a series of connectors.

BZP STUDROD

SBS Code	Size	Length (m)
SRM061M	M6	1
SRM063M	M6	3
SRM081M	M8	1
SRM083M	M8	3
SRM101M	M10	1
SRM103M	M10	3
SRM121M	M12	1
SRM123M	M12	3

BZP STUDROD CONNECTOR

SBS Code	Size
SCM6	M6
SCM8	M8
SCM10	M10
SCM12	M12

STUDDING END CAP

SBS Code	Size	Colour
STUDCAPM8	M8	Black
STUDCAPM10	M10	Black
STUDCAPM10W	M10	White

7.5MM SELF TAP CONCRETE SCREW

SBS Code	Size	Size (mm)
ACFTC810	M8/M10	35
FLA82054	M8/M10	60

INSTALLATION ACCESSORIES

Fixings

Our ACR range features a vast selection of bolts, anchors, and cavity fittings, engineered for strength and reliability. Designed to provide secure fastening solutions.

BZP HEX SET SCREW

SBS Code	Size	Length (mm)
M825	M8	25
M1020	M10	20
M1025	M10	25
M1030	M10	30
M1035	M10	35
M1040	M10	40
M1050	M10	50
M1240	M12	40
M1245	M12	45

BZP HEX BOLT

SBS Code	Size	Length (mm)
M625	M6	25
M630	M6	30
M640	M6	40
M650	M6	50
M830	M8	30
M840	M8	40
M850	M8	50
M1045	M10	45
M1060	M10	60
M1065	M10	65
M1070	M10	70
M1075	M10	75
M1225	M12	25
M1230	M12	30
M1235	M12	35
M1250	M12	50
M1255	M12	55
M1260	M12	60
M1265	M12	65
M1270	M12	70
M1275	M12	75
M1290	M12	90

ROOFING BOLT BZP

SBS Code	Size	Length (mm)
M616RB	M6	16
M620RB	M6	20
M625RB	M6	25

BZP STANDARD EYE BOLT

SBS Code	Size	Length (mm)
IH200M10080	M10	80
IH200M10150	M10	150
IH200M10300	M10	300
IH200M12080	M12	80
IH200M12150	M12	150

CONCRETE TAPPING ANCHOR

SBS Code	Size	Size (mm)
ACTB75	M8	75

WALL BOLT

SBS Code	Size	Max Thickness (mm)	Length (mm)
WB0610	M6	10	50
WB0810	M8	10	60
WB0830	M8	25	75
WB1010	M10	10	70
WB1025	M10	25	90
WB1050	M10	50	110
WB1210	M12	10	90
WB1230	M12	25	110

SPRING TOGGLE BOLT

SBS Code	Size	Length (mm)
CFSTM550	M5	50
CFSTM575	M5	75
CFSTM675	M6	75

BZP STANDARD U BOLT WITH 2 NUTS

SBS Code	Size (Inch)
IH105S015	1/2"
IH105S020	3/4"
IH105S025	1"
IH105S032	1 1/4"
IH105S040	1 1/2"
IH105S050	2
IH105S065	2 1/2"

THROUGH BOLT

SBS Code	Size	Length (mm)
TB08075	M8	75
TB10080	M10	80
TB10090	M10	90
TB10100	M10	100
TB10120	M10	120
TB12100	M12	100

BZP HEX NUT

SBS Code	Size
NM06	M6
NM08	M8
NM10	M10
NM12	M12

BZP P-TYPE NYLOC NUT

SBS Code	Size
NM08NL	M8
NM10NL	M10
NM12NL	M12

CAVITY FITTING

SBS Code	Size	Size (mm)
CF	M8	75

INSTALLATION ACCESSORIES

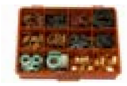
Fixings & Brass

We offer a vast range of AC fixings, including screws, wall plugs, brass fittings, and fixing tubs to ensure you have the right components for any project. Our selection also features galvanised brackets and plates for strength and corrosion resistance, along with plastic caps and strips that provide a neat finish and added protection for your installations.

POZI COUNTERSUNK WOODSCREW

SBS Code	Length (Inch)	Gauge
WS08020	3/4"	8
WS08025	1"	8
WS10025	1"	10
WS08032	1 1/4"	8
WS10032	1 1/4"	10
WS08040	1 1/2"	8
WS10040	1 1/2"	10
WS12040	1 1/2"	12
WS08050	2"	8
WS10050	2"	10
WS12050	2"	12
WS08065	2 1/2"	8
WS10065	2 1/2"	10
WS12065	2 1/2"	12
WS08080	3"	8
WS10080	3"	10
WS12080	3"	12

FIXING TUBS



SBS Code	Description
ACTUB-BPS	300 x Brown Wall Plugs, 300 x 10x2" Countersunk Wood Screws, 1 x No 10 Masonry & 1 x No.2 Pozidrive Drill Bits
ACTUB-RPS	400 x Red Wall Plugs, 400 x 8x1 1/2" Countersunk Wood Screws, 1 x No 8 Masonry & 1 x No.2 Pozidrive Drill Bits
WASHERKIT	Plumber's essential fibre and rubber washer kit - 210 piece case

SQUARE PLATE WASHER

SBS Code	Size
TS00M08	M8
TS00M10	M10
TS00M12	M12

BZP WASHER

SBS Code	Size
WM06	M6
WM08	M8
WM10	M10
WM12	M12

BZP SPRING WASHER

SBS Code	Size
SWM08	M8
SWM10	M10
SWM12	M12

BZP PENNY WASHER

SBS Code	Size	Size (mm)
PW0625	M6	25
PW06	M6	30
PW08	M8	25
PW10	M10	30
PW12	M12	30

PLASTIC WALL PLUG

SBS Code	Type	Colour
WPP3	P3	Red
WPP4	P4	Brown

Brass Fixings & Fittings

BRASS SLOTTED WOODSCREW

SBS Code	Size (Inch)	Gauge
WSB10050	2"	10
WSB10065	2 1/2"	10
WSB10080	3"	10

BRASS CAP

SBS Code	Size (Inch)
B300008	1/4"
B300010	3/8"
B300015	1/2"
B300020	3/4"
B300025	1"
B300032	1 1/4"
B300040	1 1/2"
B300050	2"

CAP NUT

SBS Code	Size (Inch)
ACN54	1/4"
ACN55	5/16"
ACN56	3/8"
ACN58	1/2"
ACN510	5/8"
ACN504*	1/4"

*'Below Zero' nut fitted with O-Ring

BRASS SHORT FORGED FLARE NUT

SBS Code	Size (Inch)
ACNS44	1/4"
ACNS45	5/16"
ACNS46	3/8"
ACNS48	1/2"
ACNS410	5/8"
ACNS412	3/4"
ACNS414	7/8"

REDUCING FLARE NUT

SBS Code	Size A (Inch)	Size B (Inch)
ACNRS464	3/8"	1/4"
ACNRS486	1/2"	3/8"

SWIVEL FLARE NUT

SBS Code	Size (Inch)
AC14SFN	1/4"
AC38SFN	3/8"
AC12SFN	1/2"
AC58SFN	5/8"

COPPER TUBE EXTENSION

SBS Code	Description
AC40418/2	1/4" Male Flare Access to 1/4" Copper Tube
AC40418/150	1/4" Male Flare to 150mm Long Copper Tube

INSTALLATION ACCESSORIES
Fixings & Brass

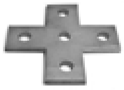
HOLE PLATE

SBS Code	No of Holes	Length (mm)
TS01	2	84
TS02	3	126
TS03	4	168

BEAMCLAMP (FOR 41 x 41 CHANNEL)

SBS Code	Size
TS44	M10

CROSS PLATE



SBS Code	No of Holes
GB39	5

Z TYPE BEAMCLAMP (10° PITCH)

SBS Code	Size
GB31	M10

MISC BRACKETS

SBS Code	Bracket
TS06	L
TS07	T
TS23	Z
TS29	45° Obtuse
GB46	Channel T Bracket

BEAMCLAMP

SBS Code	Suitable for
TS48	M8, M10 & M12 Nuts

90° BRACKET

SBS Code	No of Holes
TS11	2
TS12	3
TS14	4
TS15	4 (Filled Corner)

BASEPLATES

SBS Code	Type
TSDELTA	Single Delta
TSDELTAD	Double Delta
TS37	Double Channel
TS38	Single - Double Fix
TS39	Single - Single Fix

WINDOW BRACKET (w/SCREW)

SBS Code	Size (mm)
TS4521	41 x 21
TS45	41 x 41
TS4582	82 x 41

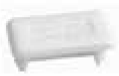
PVC CLOSURE STRIP

SBS Code	Length (m)	Colour
TSPVCCS	3	White

TOP HAT BRACKETS

SBS Code	Size (mm)	Type
TS25	41 x 21	Single Channel
TS26	41 x 41	Single Channel
GB32	41 x 41	Double Channel
TS26A	41 x 82	Double Strut

PVC CHANNEL END CAP



SBS Code	Size (mm)	Colour
CEC421	41 x 21	Black
CEC421W	41 x 21	White
CEC441	41 x 41	Black
CEC441W	41 x 41	White

REDUCING FLARE UNION (MALE)

SBS Code	Size (Inch)	Size B (Inch)
ACUR254	5/16"	1/4"
ACUR264	3/8"	1/4"
ACUR286	1/2"	3/8"
ACUR2104	5/8"	1/4"
ACUR2106	5/8"	3/8"

SOLDER UNIONS

SBS Code	Size (Inch)
ACUS244	1/4"
ACUS266	3/8"
ACUS288	1/2"
ACUS21010	5/8"
ACUS21212	3/4"
ACUS21414	7/8"

PRESSURE COUPLERS

SBS Code	Length (m)
ACPC500	0.5
ACPC1000	1
ACPC1500	1.5
ACPC1M1/4	1
ACPC1M1/4D	With depressor

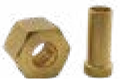
REDUCING SOLDER UNION

SBS Code	Size A (Inch)	Size B (Inch)
ACUS264	3/8"	1/4"
ACUS286	1/2"	3/8"

ACCESS SOLDER UNION

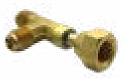
SBS Code	Description
AC40427	1/4" MFL To 1/4" Solder Access Valve

MECHANICAL FLARE JOINT



SBS Code	Size (Inch)
AC14484	1/4"
AC12880	3/8"
AC13291	1/2"
AC13566	5/8"
AC15216	3/4"
AC17784	7/8"

ACCESS TEES



SBS Code	Description
AC40398	1/4" Access & 1/4" Female Flare on Run 1/4" Male Flare Branch
AC40399	1/4" Male Flare & 1/4" Access on Run 1/4" Female Flare Branch

INSTALLATION ACCESSORIES
Trunking - Inaba Denko

The Inaba Denko internal and external trunking range ensures that air conditioning and refrigeration pipes are protected by a professional finish. The available colours match most brands of available condensing units, are UV resistant, fireproof and can be painted to suit many indoor and outdoor applications.

2M STRAIGHT DUCT LENGTHS

SBS Code	Width (mm)	Depth (mm)	Colour	Box Qty
ACIDNSD75I	75	63	Ivory	10
ACIDSD75K	75	63	Black	5
ACIDNSD75W	75	63	White	10
ACIDSD75B	75	63	Brown	5
ACIDSD75A	75	63	Anthracite	15
ACIDNSD100I	100	70	Ivory	10
ACIDSD100K	100	70	Black	5
ACIDNSD100W	100	70	White	10
ACIDSD100B	100	70	Brown	5
ACIDSD100A	100	70	Anthracite	10

WALL CAP

SBS Code	Size (mm)	Colour	Box Qty
ACIDSWC75I	75	Ivory	10
ACIDSWC75K	75	Black	10
ACIDSWC75W	75	White	10
ACIDSWC75B	75	Brown	10
ACIDSWC100I	100	Ivory	10
ACIDSWC100K	100	Black	10
ACIDSWC100W	100	Black	10
ACIDSWC100B	100	Brown	10

COUPLER

SBS Code	Size (mm)	Colour	Box Qty
ACIDSJ75I	75	Ivory	20
ACIDSJ75K	75	Black	20
ACIDSJ75W	75	White	20
ACIDSJ75B	75	Brown	20
ACIDSJ75A	75	Anthracite	10
ACIDSJ100I	100	Ivory	20
ACIDSJ100K	100	Black	20
ACIDSJ100W	100	White	20
ACIDSJ100B	100	Brown	20
ACIDSJ100A	100	Anthracite	10

90° VERTICAL ELBOW

SBS Code	Size (mm)	Colour	Box Qty
ACIDSC75I	75	Ivory	20
ACIDSC75K	75	Black	20
ACIDSC75W	75	White	20
ACIDSC75B	75	Brown	20
ACIDSC75A	75	Anthracite	10
ACIDSC100I	100	Ivory	10
ACIDSC100K	100	Black	10
ACIDSC100W	100	White	10
ACIDSC100B	100	Brown	10
ACIDSC100A	100	Anthracite	10

T-JOINT

SBS Code	Size (mm)	Colour	Box Qty
ACIDST75I	75	Ivory	10
ACIDST75K	75	Black	10
ACIDST75W	75	White	10
ACIDST75B	75	Brown	10
ACIDST100I	100	Ivory	10
ACIDST100K	100	Black	10
ACIDST100W	100	White	10
ACIDST100B	100	Brown	10

45° VERTICAL ELBOW

SBS Code	Size (mm)	Colour	Box Qty
ACIDSCF75I	75	Ivory	20
ACIDSCF75K	75	Black	20
ACIDSCF75W	75	White	20
ACIDSCF75B	75	Brown	20
ACIDSCF100I	100	Ivory	10
ACIDSCF100K	100	Black	10
ACIDSCF100W	100	White	10
ACIDSCF100B	100	Brown	10
ACIDSCF100A	100	Anthracite	10

45° FLAT ELBOW

SBS Code	Size (mm)	Colour	Box Qty
ACIDSKF75I	75	Ivory	20
ACIDSKF75K	75	Black	20
ACIDSKF75W	75	White	20
ACIDSKF75B	75	Brown	20
ACIDSK75B	75	Anthracite	20
ACIDSKF100I	100	Ivory	10
ACIDSKF100K	100	Black	10
ACIDSKF100W	100	White	10
ACIDSKF100B	100	Brown	10
ACIDSK100A	100	Anthracite	10

90° FLAT ELBOW

SBS Code	Size (mm)	Colour	Box Qty
ACIDSK75I	75	Ivory	20
ACIDSK75K	75	Black	20
ACIDSK75W	75	White	10
ACIDSK75B	75	Brown	20
ACIDSK75B	75	Anthracite	10
ACIDSK100I	100	Ivory	10
ACIDSK100K	100	Black	10
ACIDSK100W	100	White	10
ACIDSK100B	100	Brown	10
ACIDSK100A	100	Anthracite	10

INSTALLATION ACCESSORIES

Trunking - Inaba Denko

WALL INLET

SBS Code	Size (mm)	Colour	Box Qty
ACIDSW75I	75	Ivory	20
ACIDSW75K	75	Black	20
ACIDSW75W	75	White	10
ACIDSW75B	75	Brown	20
ACIDSW75A	75	Anthracite	10
ACIDSW100I	100	Ivory	10
ACIDSW100K	100	Black	10
ACIDSW100W	100	White	10
ACIDSW100B	100	Brown	10
ACIDSW100A	100	Anthracite	10

DUCT END

SBS Code	Size (mm)	Colour	Box Qty
ACIDSE75I	75	Ivory	20
ACIDSE75K	75	Black	20
ACIDSE75W	75	White	20
ACIDSE75B	75	Brown	20
ACIDSE75A	75	Anthracite	10
ACIDSEN100I	100	Ivory	10
ACIDSEN100K	100	Black	10
ACIDSEN100W	100	White	10
ACIDSEN100B	100	Brown	10
ACIDSEN100A	100	Anthracite	10

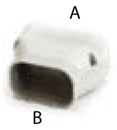
CEILING COVER

SBS Code	Size (mm)	Colour	Box Qty
ACIDSP75I	75	Ivory	10
ACIDSP75K	75	Black	20
ACIDSP75W	75	White	10
ACIDSP75B	75	Brown	10
ACIDSP75A	75	Anthracite	10
ACIDSP100I	100	Ivory	10
ACIDSP100K	100	Black	10
ACIDSP100W	100	White	10
ACIDSP100B	100	Brown	10
ACIDSP100A	100	Anthracite	10

FLEXIBLE JOINT

SBS Code	Size (mm)	Size (mm)	Colour	Box Qty
ACIDSF75500I	75	500	Ivory	20
ACIDSF75500K	75	500	Black	20
ACIDSF75500W	75	500	White	20
ACIDSF75500A	75	500	Anthracite	20
ACIDSF100800I	100	800	Ivory	10
ACIDSF100800K	100	800	Black	10
ACIDSF100800W	100	800	White	10
ACIDSF100800B	100	800	Brown	10
ACIDSF100800A	100	800	Anthracite	10

REDUCER JOINT



SBS Code	Size A (mm)	Size B (mm)	Colour	Box Qty
ACIDSDR10075I	100	75	Ivory	20
ACIDSDR10075K	100	75	Black	20
ACIDSDR10075W	100	75	White	20

TIE CLIP

SBS Code	Box Qty
ACIDSL300	10

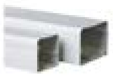
DRAIN HOSE

SBS Code	Size (mm)	Length (M)
ACIDH16I	16	50

INSTALLATION ACCESSORIES
Trunking - SpeediDuct

SpeediDuct® is a system used to house air conditioning refrigerant pipes and services. Made out of rigid PVC, the colours are fadeproof, UV resistant and fireproof. The trunking contributes to reducing energy consumption. Suitable for indoor and outdoor use, it can be painted to match its environment.

2M DUCT LENGTHS



SBS Code	Size (mm)	Colour
AC230-D3	70	Ivory
AC230-D3W	70	White
AC230-D4	105	Ivory
AC230-D4W	105	White

WALL COVERS

SBS Code	Size (mm)	Colour
AC230-WC3	70	Ivory
AC230-WC3W	70	White
AC230-WC4	105	Ivory
AC230-WC4W	105	White

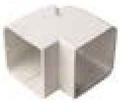
90° INTERNAL ELBOW

SBS Code	Size (mm)	Colour
AC230-EB3	70	Ivory
AC230-EB3W	70	White
AC230-EB4	105	Ivory
AC230-EB4W	105	White

FLEXI HOSE KIT

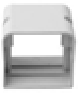
SBS Code	Size (mm)	Colour
AC230-FH3-KIT	70	Ivory
AC230-FH3W-KIT	70	White
AC230-FH4-KIT	105	Ivory
AC230-FH4W-KIT	105	White

90° EXTERNAL ELBOW



SBS Code	Size (mm)	Colour
AC230-EIN3	70	Ivory
AC230-EIN3W	70	White
AC230-EIN4	105	Ivory
AC230-EIN4W	105	White

CONNECTION PIECE



SBS Code	Size (mm)	Colour
AC230-CP3	70	Ivory
AC230-CP3W	70	White
AC230-CP4	105	Ivory
AC230-CP4W	105	White

90° FLAT BEND

SBS Code	Size (mm)	Colour
AC230-FB3	70	Ivory
AC230-FB3W	70	White
AC230-FB4	105	Ivory
AC230-FB4W	105	White

T-JOINT

SBS Code	Size (mm)	Colour
AC230-TJ4	105	Ivory
AC230-TJ4W	105	White

45° FLAT BEND

SBS Code	Size (mm)	Colour
AC230-FB453	70	Ivory
AC230-FB453W	70	White
AC230-FB454	105	Ivory
AC230-FB454W	105	White

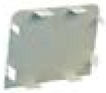
REDUCER JOINT

SBS Code	Size (mm)	Colour
AC230-RJ4	105	Ivory
AC230-RJ4W	105	White

90° LONG FLAT ELBOW

SBS Code	Size (mm)	Colour
AC230-LFB3	70	Ivory
AC230-LFB3W	70	White
AC230-LFB4	105	Ivory
AC230-LFB4W	105	White

DUCT CAP



SBS Code	Size (mm)	Colour
AC230-DC3	70	Ivory
AC230-DC3W	70	White
AC230-DC4	105	Ivory
AC230-DC4W	105	White

INSTALLATION ACCESSORIES

Trunking - SpeediDuct

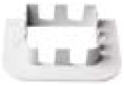
DUCT END

SBS Code	Size (mm)	Colour
AC230-DE3	70	Ivory
AC230-DE3W	70	White
AC230-DE4	105	Ivory
AC230-DE4W	105	White

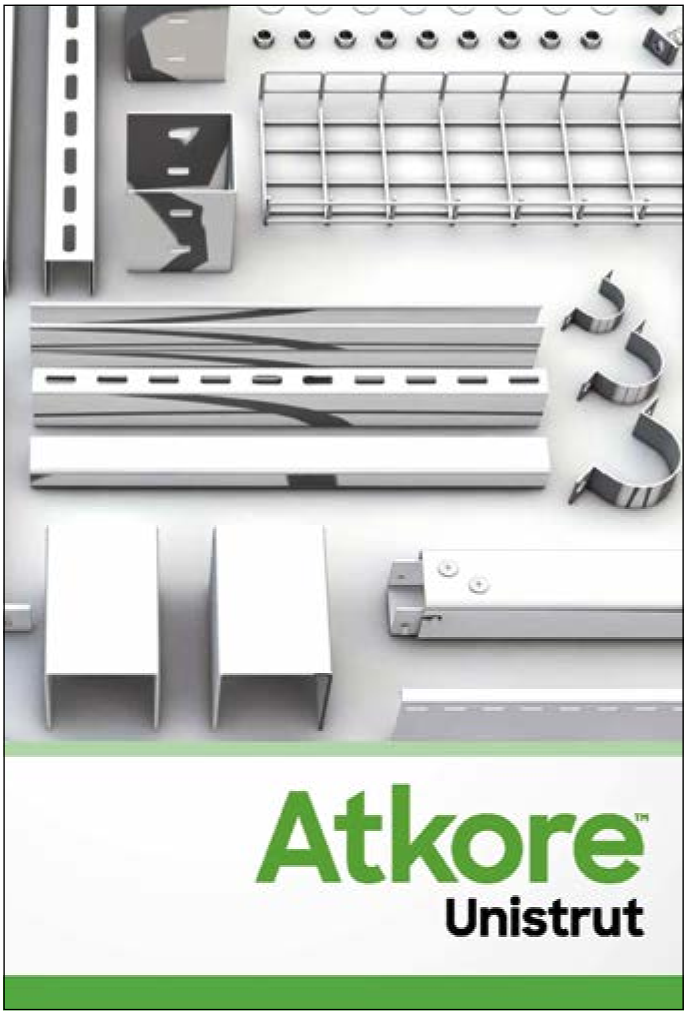
WALL ROSETTE

SBS Code	Size (mm)	Colour
AC230-WR3	70	Ivory
AC230-WR3W	70	White
AC230-WR4	105	Ivory
AC230-WR4W	105	White

FLAT ROSETTE



SBS Code	Size (mm)	Colour
AC230-FR3	70	Ivory
AC230-FR3W	70	White
AC230-FR4	105	Ivory
AC230-FR4W	105	White



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CONDENSATE REMOVAL, PUMPS & DRAINAGE

Tank Pumps

Condensate tank pumps designed to collect and store larger volumes of condensate before pumping it to its next destination. It works in conjunction with a storage tank, making it ideal for systems with high condensate output or where additional storage capacity is needed.

Product	Ecotank
SBS Code	ACECOTANK
Max Flow Rate (l/h)	320
Max Discharge Head (m)	6
Tank Capacity (l)	1.8
Dimensions (LxWxH (mm))	286 x 126 x 125
Noise level (dBA)	28
IP Rating	X4
Weight (kg)	1.2

Product	Ecotank High Lift
SBS Code	ACECOLIFT
Max Flow Rate (l/h)	580
Max Discharge Head (m)	12
Tank Capacity (l)	1.8
Dimensions (LxWxH (mm))	270 x 148.5 x 171
Noise level (dBA)	59
IP Rating	n/a
Weight (kg)	1.95

Product	Mini Tank
SBS Code	MINITANK
Max Flow Rate (l/h)	35
Max Discharge Head (m)	15
Tank Capacity (l)	n/a
Dimensions (LxWxH (mm))	210 x 89 x 69
Noise level (dBA)	35
IP Rating	65
Weight (kg)	0.57

Product	Hi Lift 1L
SBS Code	HILIFT1
Max Flow Rate (l/h)	11
Max Discharge Head (m)	12
Tank Capacity (l)	1
Dimensions (LxWxH (mm))	244 x 148 x 132
Noise level (dBA)	51
IP Rating	20
Weight (kg)	1.75

Product	Hi Lift 2L
SBS Code	HILIFT2
Max Flow Rate (l/h)	11
Max Discharge Head (m)	12
Tank Capacity (l)	2
Dimensions (LxWxH (mm))	244 x 148 x 164
Noise level (dBA)	51
IP Rating	20
Weight (kg)	1.8

Product	Max Hi-Flow
SBS Code	HIFLOWMAX
Max Flow Rate (l/h)	550
Max Discharge Head (m)	5
Tank Capacity (l)	1.7
Dimensions (LxWxH (mm))	285 x 144 x 134
Noise level (dBA)	44
IP Rating	24
Weight (kg)	1.65

Product	Heavy Duty 6m Pump
SBS Code	ACFP2074/2
Max Flow Rate (l/h)	900
Max Discharge Head (m)	6
Tank Capacity (l)	4
Dimensions (LxWxH (mm))	300 x 150 x 205
Noise level (dBA)	60
IP Rating	20
Weight (kg)	3.5

Product	Heavy Duty 10m Pump
SBS Code	ACFP2066/2
Max Flow Rate (l/h)	1070
Max Discharge Head (m)	9
Tank Capacity (l)	4
Dimensions (LxWxH (mm))	300 x 150 x 265
Noise level (dBA)	64
IP Rating	20
Weight (kg)	4.3

Product	Macerator 4L Pump
SBS Code	ACFP2305
Max Flow Rate (l/h)	780
Max Discharge Head (m)	8.5
Tank Capacity (l)	4
Dimensions (LxWxH (mm))	335 x 150 x 230
Noise level (dBA)	64
IP Rating	21
Weight (kg)	3.8

Product	Macerator 10L Pump
SBS Code	ACFP2307
Max Flow Rate (l/h)	780
Max Discharge Head (m)	8.5
Tank Capacity (l)	10
Dimensions (LxWxH (mm))	390 x 310 x 230
Noise level (dBA)	64
IP Rating	21
Weight (kg)	6.8

Product	Ecotank 1.2L
SBS Code	ACDE12QCC610
Max Flow Rate (l/h)	800
Max Discharge Head (m)	5.6
Tank Capacity (l)	1.2
Dimensions (LxWxH (mm))	280 x 130 x 129
Noise level (dBA)	45
IP Rating	24
Weight (kg)	1.9

Product	Ecotank 2.5L
SBS Code	ACDE25QCC620
Max Flow Rate (l/h)	800
Max Discharge Head (m)	6
Tank Capacity (l)	2.5
Dimensions (LxWxH (mm))	280 x 130 x 159
Noise level (dBA)	45
IP Rating	24
Weight (kg)	2

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Tank Pumps

SICCOM

Product	Flowatch Tank 1.3L
SBS Code	ACDE13QCZA700
Max Flow Rate (l/h)	788
Max Discharge Head (m)	5.5
Tank Capacity (l)	1.3
Dimensions (LxWxH (mm))	280 x 130 x 135
Noise level (dBA)	47
IP Rating	20
Weight (kg)	4

SICCOM

Product	Sunny Flowatch Duo
SBS Code	ACDE05NCC090
Max Flow Rate (l/h)	19
Max Discharge Head (m)	10
Tank Capacity (l)	0.7
Dimensions (LxWxH (mm))	186 x 110 x 100
Noise level (dBA)	20.2
IP Rating	X4
Weight (kg)	1

sauermann

Product	Si-60
SBS Code	ACSI60
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Tank Capacity (l)	0.37
Dimensions (LxWxH (mm))	168 x 90 x 88
Noise level (dBA)	38
IP Rating	X4
Weight (kg)	0.63

sauermann

Product	Si-1805 0.5L
SBS Code	ACSI1805
Max Flow Rate (l/h)	500
Max Discharge Head (m)	5.4
Tank Capacity (l)	0.5
Dimensions (LxWxH (mm))	195 x 130 x 132
Noise level (dBA)	47
IP Rating	20
Weight (kg)	2

sauermann

Product	Si-82 2L
SBS Code	ACSI82
Max Flow Rate (l/h)	500
Max Discharge Head (m)	5
Tank Capacity (l)	2
Dimensions (LxWxH (mm))	279 x 130 x 174.5
Noise level (dBA)	45
IP Rating	20
Weight (kg)	2.5

sauermann

Product	Si-83 2L
SBS Code	ACSI83
Max Flow Rate (l/h)	700
Max Discharge Head (m)	5.4
Tank Capacity (l)	2
Dimensions (LxWxH (mm))	287 x 146 x 129
Noise level (dBA)	45
IP Rating	44
Weight (kg)	1.83

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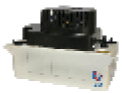
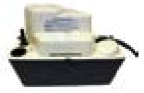
Product	PH-1L
SBS Code	ACPH1L
Max Flow Rate (l/h)	270
Max Discharge Head (m)	6
Tank Capacity (l)	0.8
Dimensions (LxWxH (mm))	220 x 134 x 122
Noise level (dBA)	43
IP Rating	20
Weight (kg)	2

DIVERSITECH INTERNATIONAL



Product	PH-2L
SBS Code	ACPH2L
Max Flow Rate (l/h)	300
Max Discharge Head (m)	4.8
Tank Capacity (l)	2
Dimensions (LxWxH (mm))	290 x 130 x 180
Noise level (dBA)	60
IP Rating	20
Weight (kg)	2.4

DIVERSITECH INTERNATIONAL



Product	2L Economy
SBS Code	ACPH2ECO
Max Flow Rate (l/h)	275
Max Discharge Head (m)	3.8
Tank Capacity (l)	2
Dimensions (LxWxH (mm))	172 x 269 x 126
Noise level (dBA)	n/a
IP Rating	n/a
Weight (kg)	n/a

DIVERSITECH INTERNATIONAL

Product	PH-20-STA 2L
SBS Code	ACPH20STA
Max Flow Rate (l/h)	480
Max Discharge Head (m)	7.2
Tank Capacity (l)	1.8
Dimensions (LxWxH (mm))	286 x 166 x 179
Noise level (dBA)	43
IP Rating	20
Weight (kg)	1.9

DIVERSITECH INTERNATIONAL

Product	PH-2L-SS
SBS Code	ACPH2LSS
Max Flow Rate (l/h)	402
Max Discharge Head (m)	5.5
Tank Capacity (l)	1.8
Dimensions (LxWxH (mm))	135 x 256 x 166
Noise level (dBA)	43
IP Rating	20
Weight (kg)	1.93

DIVERSITECH INTERNATIONAL

Product	PH-3.8L-HW Pressure Relief & Boiler Condensate Pump
SBS Code	ACPH38LHW
Max Flow Rate (l/h)	530
Max Discharge Head (m)	8
Tank Capacity (l)	3.8
Dimensions (LxWxH (mm))	325 x 160 x 249
Noise level (dBA)	53
IP Rating	n/a
Weight (kg)	3.1

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Tank Pumps

Product	H-5L-HW High Temperature & Pressure Relief Pump
SBS Code	ACPH5LHW
Max Flow Rate (l/h)	1950
Max Discharge Head (m)	8
Tank Capacity (l)	5
Dimensions (LxWxH (mm))	215 x 235 x 360
Noise level (dBA)	n/a
IP Rating	n/a
Weight (kg)	8.5

Product	VCMA-20S 2L Tank Pump
SBS Code	ACVCMA20S
Max Flow Rate (l/h)	294
Max Discharge Head (m)	4.3
Tank Capacity (l)	2
Dimensions (LxWxH (mm))	288 x 127 x 178
Noise level (dBA)	58-62
IP Rating	20
Weight (kg)	2.4

Product	VCCA-20S Condensate Removal Pump
SBS Code	ACVCC20S
Max Flow Rate (l/h)	294
Max Discharge Head (m)	4.3
Tank Capacity (l)	1.1
Dimensions (LxWxH (mm))	125 x 300 x 125
Noise level (dBA)	58-62
IP Rating	20
Weight (kg)	2.4

Product	Redbox 1L Condensate Pump
SBS Code	ACREDBOX-1L
Max Flow Rate (l/h)	280
Max Discharge Head (m)	5.1
Tank Capacity (l)	1
Dimensions (LxWxH (mm))	300 x 150 x 120
Noise level (dBA)	44
IP Rating	20
Weight (kg)	2.3

Product	Redbox 2L Condensate Pump
SBS Code	ACREDBOX-2L
Max Flow Rate (l/h)	280
Max Discharge Head (m)	5.1
Tank Capacity (l)	2
Dimensions (LxWxH (mm))	300 x 150 x 170
Noise level (dBA)	44
IP Rating	20
Weight (kg)	2.3

Product	Whispa-Q Tank 1L Tank Pump
SBS Code	ACWHISPA-Q-1L
Max Flow Rate (l/h)	14
Max Discharge Head (m)	6
Tank Capacity (l)	0.6
Dimensions (LxWxH (mm))	170 x 81 x 127
Noise level (dBA)	19
IP Rating	n/a
Weight (kg)	0.76

Product	Whispa-Q Tank 2L Tank Pump
SBS Code	ACWHISPA-Q-2L
Max Flow Rate (l/h)	14
Max Discharge Head (m)	6
Tank Capacity (l)	2.2
Dimensions (LxWxH (mm))	250 x 135 x 165
Noise level (dBA)	19
IP Rating	n/a
Weight (kg)	1.14

Product	VCL-24S Heavy Duty Tank Pump
SBS Code	ACVCL24S
Max Flow Rate (l/h)	900
Max Discharge Head (m)	5.9
Tank Capacity (l)	3.8
Dimensions (LxWxH (mm))	305 x 150 x 263
Noise level (dBA)	58-62
IP Rating	20
Weight (kg)	2.4

Product	VCL-45S Heavy Duty Tank Pump
SBS Code	ACVCL45S
Max Flow Rate (l/h)	1560
Max Discharge Head (m)	10.5
Tank Capacity (l)	3.8
Dimensions (LxWxH (mm))	305 x 150 x 267
Noise level (dBA)	58-62
IP Rating	20
Weight (kg)	6.4

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Mini Pumps

Mini condensate pumps are compact and designed for tight spaces to handle smaller volumes of condensate. It is typically used in residential or small commercial systems, such as air conditioners or dehumidifiers, where space is limited and the condensate volume is relatively low.

SICCOM

Product	Mini Flowatch 2
SBS Code	ACDE05LC4400
Max Flow Rate (l/h)	15
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	86 x 28 x 48
Noise level (dBA)	20.2
IP Rating	64
Weight (kg)	0.6

SICCOM

Product	Mini Flowatch Comfort
SBS Code	ACDE05LCD750
Max Flow Rate (l/h)	15
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	82 x 28 x 48
Noise level (dBA)	20.2
IP Rating	64
Weight (kg)	0.63

SICCOM

Product	Mini Flowatch 2 Silence
SBS Code	ACDE05LCC280
Max Flow Rate (l/h)	15
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	86 x 28 x 48
Noise level (dBA)	19.7
IP Rating	64
Weight (kg)	0.6

SICCOM

Product	Flowatch Silence DT20
SBS Code	ACDE20PMCD700
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	168 x 37 x 40
Noise level (dBA)	16
IP Rating	64
Weight (kg)	n/a

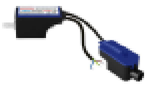
SICCOM

Product	Mini Flowatch 0
SBS Code	ACDE05LC980
Max Flow Rate (l/h)	10
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	98 x 30 x 41
Noise level (dBA)	n/a
IP Rating	20
Weight (kg)	n/a

SICCOM

Product	Maxi Eco Flowatch
SBS Code	ACDE40LCC300
Max Flow Rate (l/h)	40
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	111 x 41 x 48
Noise level (dBA)	30
IP Rating	20
Weight (kg)	0.5

SICCOM



Product	Eco Flowatch
SBS Code	ACDE05LCC190
Max Flow Rate (l/h)	13.2
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	98 x 30 x 41
Noise level (dBA)	n/a
IP Rating	20
Weight (kg)	n/a

SICCOM

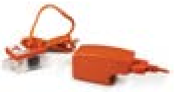
Product	Eco Line
SBS Code	ACDE05SCC600
Max Flow Rate (l/h)	40
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	111 x 41 x 48
Noise level (dBA)	20.2
IP Rating	20
Weight (kg)	n/a

SICCOM

Product	Flowatch Vision
SBS Code	ACDE05LCB900
Max Flow Rate (l/h)	15
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	230 x 61.5 x 55
Noise level (dBA)	20.2
IP Rating	X3
Weight (kg)	0.7

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Mini Pumps



Product	Mini Orange
SBS Code	MINIORANGE
Max Flow Rate (l/h)	12
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	116 x 39 x 51
Noise level (dBA)	21
IP Rating	21
Weight (kg)	0.43

Product	Silent+ Orange
SBS Code	SORANGE
Max Flow Rate (l/h)	12
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	116 x 39 x 51
Noise level (dBA)	19
IP Rating	21
Weight (kg)	0.25

Product	Maxi Orange
SBS Code	ACFP2210
Max Flow Rate (l/h)	35
Max Discharge Head (m)	15
Dimensions (LxWxH (mm))	122 x 44 x 66
Noise level (dBA)	35
IP Rating	21
Weight (kg)	0.45

Product	Mini Blanc
SBS Code	MINIBLANC
Max Flow Rate (l/h)	12
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	182 x 55 x 115
Noise level (dBA)	21
IP Rating	21
Weight (kg)	0.46

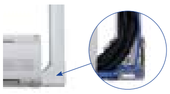
Product	Mini Aqua
SBS Code	MINIAQUA
Max Flow Rate (l/h)	12
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	183 x 28 x 28
Noise level (dBA)	21
IP Rating	24
Weight (kg)	0.18

Product	Silent+ Mini Aqua
SBS Code	ACFP3326
Max Flow Rate (l/h)	12
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	183 x 28 x 28
Noise level (dBA)	19
IP Rating	24
Weight (kg)	0.18

Product	NEW Silent+ Mini Lime
SBS Code	MINILIMEREPNEW
Max Flow Rate (l/h)	40
Max Discharge Head (m)	15
Dimensions (LxWxH (mm))	134 x 45 x 145
Noise level (dBA)	16
IP Rating	24
Weight (kg)	0.375

Product	Maxi Lime
SBS Code	ACFP2215
Max Flow Rate (l/h)	35
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	99 x 44 x 119
Noise level (dBA)	35
IP Rating	24
Weight (kg)	0.47

Product	Diversitech Whispa-Q Mini
SBS Code	ACWHISPA-Q-MINI
Max Flow Rate (l/h)	16
Max Discharge Head (m)	8
Dimensions (LxWxH (mm))	167.2 x 73.6 x 43
Noise level (dBA)	21
IP Rating	n/a
Weight (kg)	n/a



Product	EC-1 Kit
SBS Code	ACEC1KIT
Max Flow Rate (l/h)	10
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	46 x 58 x 104
Noise level (dBA)	21
IP Rating	20
Weight (kg)	0.8

Product	EC-400
SBS Code	ACEC400
Max Flow Rate (l/h)	10
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	45 x 58 x 104
Noise level (dBA)	21
IP Rating	20
Weight (kg)	0.8

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Mini Pumps

Product	Si-10 Univers'l
SBS Code	ACSI10UNIVERSAL
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	96 x 44 x 76
Noise level (dBA)	22
IP Rating	X4
Weight (kg)	0.41

Product	Si-10 Bagged
SBS Code	ACSI10BAGGED
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	96 x 44 x 76
Noise level (dBA)	22
IP Rating	X4
Weight (kg)	0.41

Product	Si-20
SBS Code	ACSI20
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	180 x 27 x 27
Noise level (dBA)	19
IP Rating	X2
Weight (kg)	0.46

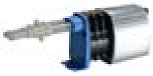
Product	Sauermann Si-30
SBS Code	ACSI30
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	66 x 43.5 x 60
Noise level (dBA)	20
IP Rating	20
Weight (kg)	0.48

Product	Si-33
SBS Code	ACSI33
Max Flow Rate (l/h)	30
Max Discharge Head (m)	13
Dimensions (LxWxH (mm))	66 x 43.5 x 60
Noise level (dBA)	34
IP Rating	20
Weight (kg)	0.48

Product	Sauermann Omega Pack
SBS Code	ACOMEGAPACK
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimensions (LxWxH (mm))	328 x 55 x 65
Noise level (dBA)	22
IP Rating	X2
Weight (kg)	0.73

Product	Microblue with FSA Reservoir
SBS Code	ACX86002
Max Flow Rate (l/h)	5
Max Discharge Head (m)	5
Dimensions (LxWxH (mm))	150 x 37 x 40
Noise level (dBA)	17
IP Rating	n/a
Weight (kg)	n/a

Product	Mini Blue with Temperature Sensor
SBS Code	ACXR87504
Max Flow Rate (l/h)	8
Max Discharge Head (m)	8
Dimensions (LxWxH (mm))	138 x 58 x 67
Noise level (dBA)	21
IP Rating	n/a
Weight (kg)	n/a

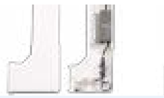


Product	Miniblue R with FSA Reservoir
SBS Code	ACXR87509
Max Flow Rate (l/h)	8
Max Discharge Head (m)	8
Dimensions (LxWxH (mm))	138 x 58 x 67
Noise level (dBA)	21
IP Rating	n/a
Weight (kg)	n/a

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Mini Pumps with Trunking

Mini condensate pumps housed in trunking offer a streamlined and efficient installation solution. The trunking provides a compact, secure housing that protects the pumps while minimising the need for extra mounting or support structures.



Product	Flowatch Design
SBS Code	ACDE05LC9460
Max Flow Rate (l/h)	15
Max Discharge Head (m)	10
Dimension of Pump (LxWxH (mm))	148 x 56.5 x 940
Dimension of Trunking (HxD (mm))	86 x 28 x 48
Noise level (dBA)	20.2
IP Rating	64
Weight (kg)	1.5
Connection Extension Kit code	GC1KCTC710

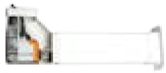
Product	Silent+ Mini Lime w/S-Ducting
SBS Code	SMINILIMENEW
Max Flow Rate (l/h)	40
Max Discharge Head (m)	15
Dimension of Pump (LxWxH (mm))	134 x 45 x 145
Dimension of Trunking (HxD (mm))	70 x 65
Noise level (dBA)	16
IP Rating	24
Weight (kg)	0.375

Product	Aspen Silent+ Mini Lime w/ Ivory Slimline Trunking
SBS Code	ACFP3312/5
Max Flow Rate (l/h)	40
Max Discharge Head (m)	15
Dimension of Pump (LxWxH (mm))	134 x 45 x 145
Dimension of Trunking (HxD (mm))	80 x 50
Noise level (dBA)	16
IP Rating	24
Weight (kg)	0.375

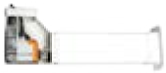
Product	Aspen Silent+ Mini Lime w/ White Slimline Trunking
SBS Code	ACFP3319/5
Max Flow Rate (l/h)	40
Max Discharge Head (m)	15
Dimension of Pump (LxWxH (mm))	134 x 45 x 145
Dimension of Trunking (HxD (mm))	80 x 50
Noise level (dBA)	16
IP Rating	24
Weight (kg)	0.375

Product	Silent+ Mini Lime w/ Inoac
SBS Code	ACFP3321/5
Max Flow Rate (l/h)	40
Max Discharge Head (m)	15
Dimension of Pump (LxWxH (mm))	134 x 45 x 145
Dimension of Trunking (HxD (mm))	74 x 62
Noise level (dBA)	16
IP Rating	24
Weight (kg)	0.375

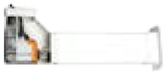
Product	Maxi Lime
SBS Code	MAXILIME
Max Flow Rate (l/h)	35
Max Discharge Head (m)	10
Dimension of Pump (LxWxH (mm))	99 x 44 x 119
Dimension of Trunking (HxD (mm))	70 x 65
Noise level (dBA)	35
IP Rating	24
Weight (kg)	0.47



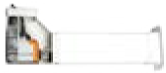
Product	Delta Pack 80 x 60 White
SBS Code	ACNEWDELTAWHITE
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimension of Pump (LxWxH (mm))	96 x 44 x 76
Dimension of Trunking (HxD (mm))	60 x 80
Noise level (dBA)	22
IP Rating	X4
Weight (kg)	1.55



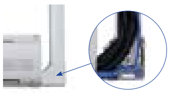
Product	Delta Pack 80 x 60 Off White
SBS Code	ACNEWDELTAOFFWHITE
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimension of Pump (LxWxH (mm))	96 x 44 x 76
Dimension of Trunking (HxD (mm))	60 x 80
Noise level (dBA)	22
IP Rating	X4
Weight (kg)	1.55



Product	Delta Pack 80 x 50 Cream
SBS Code	ACDELTA1
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimension of Pump (LxWxH (mm))	96 x 44 x 76
Dimension of Trunking (HxD (mm))	50 x 80
Noise level (dBA)	22
IP Rating	X4
Weight (kg)	1.55



Product	Delta Pack 80 x 60 Cream
SBS Code	ACDELTA2
Max Flow Rate (l/h)	20
Max Discharge Head (m)	10
Dimension of Pump (LxWxH (mm))	96 x 44 x 76
Dimension of Trunking (HxD (mm))	60 x 80
Noise level (dBA)	22
IP Rating	X4
Weight (kg)	1.55



Product	EC-1K Mini Split Pump in Trunking
SBS Code	ACEC1K
Max Flow Rate (l/h)	10
Max Discharge Head (m)	10
Dimension of Pump (LxWxH (mm))	46 x 58 x 104
Dimension of Trunking (HxD (mm))	53 x 76
Noise level (dBA)	21
IP Rating	20
Weight (kg)	0.8

Product	Whispa-Q Pump in Trunking
SBS Code	ACWHISPA-Q-TRUNK
Max Flow Rate (l/h)	33
Max Discharge Head (m)	8
Dimension of Pump (LxWxH (mm))	550 x 106 x 52
Dimension of Trunking (HxD (mm))	As above + 400L
Noise level (dBA)	21
IP Rating	n/a
Weight (kg)	1.2

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Dairy & Rotary Pumps

Dairy cabinet pumps circulate refrigerant in refrigeration systems, ensuring consistent temperatures to keep dairy products fresh and safe. It helps maintain efficient operation by distributing refrigerant evenly throughout the system.

Product	HY/DP30-S
SBS Code	ACHYDP30S
Max Flow Rate (l/h)	129
Max Discharge Head (m)	30
Dimensions (LxWxH (mm))	5
Noise level (dBA)	463 x 286 x 70
IP Rating	n/a
Weight (kg)	5.1

Product	Low Profile ERRP
SBS Code	ACFP2597
Max Flow Rate (l/h)	190
Max Discharge Head (m)	21
Dimensions (LxWxH (mm))	3.5
Noise level (dBA)	530 x 240 x 75
IP Rating	24
Weight (kg)	2.4

Product	DCP-30E
SBS Code	ACDCP30E
Max Flow Rate (l/h)	700
Max Discharge Head (m)	23
Dimensions (LxWxH (mm))	5.5
Noise level (dBA)	610 x 200 x 76
IP Rating	44
Weight (kg)	5

Product	DCP-30A
SBS Code	ACDCP30A
Max Flow Rate (l/h)	700
Max Discharge Head (m)	23
Dimensions (LxWxH (mm))	5.5
Noise level (dBA)	610 x 200 x 76
IP Rating	44
Weight (kg)	5

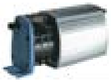
Product	DCP-30V
SBS Code	ACDCP30V
Max Flow Rate (l/h)	700
Max Discharge Head (m)	23
Dimensions (LxWxH (mm))	4.5
Noise level (dBA)	580 x 76 x 200
IP Rating	44
Weight (kg)	5

Product	Si-1931 Supermarket Cabinet Pump
SBS Code	ACSI1931
Max Flow Rate (l/h)	700
Max Discharge Head (m)	24.6
Dimensions (LxWxH (mm))	6.5
Noise level (dBA)	610 x 235 x 80
IP Rating	20
Weight (kg)	6

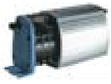
Product	Arctikblue
SBS Code	ARCTIKBLUE
Max Flow Rate (l/h)	50
Max Discharge Head (m)	20
Dimensions (LxWxH (mm))	4.1
Noise level (dBA)	454 x 421 x 63.5
IP Rating	n/a
Weight (kg)	n/a

Rotary Pumps

Rotary pumps are used to circulate refrigerants or lubricants by using a rotating mechanism, such as gears or vanes. They create a vacuum to draw in the fluid and then compress and push it through the system, ensuring efficient flow and heat exchange. Rotary pumps are commonly used in larger refrigeration systems for continuous and reliable fluid movement.



Product	Maxiblue Condensate Pump with Reservoir
SBS Code	ACXR87701
Max Flow Rate (l/h)	14
Max Discharge Head (m)	8
Dimensions (LxWxH (mm))	158 x 58 x 67
Noise level (dBA)	21
IP Rating	n/a
Weight (kg)	n/a



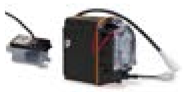
Product	Maxiblue Condensate Pump with Drainstik
SBS Code	ACXR87702
Max Flow Rate (l/h)	14
Max Discharge Head (m)	8
Dimensions (LxWxH (mm))	158 x 58 x 67
Noise level (dBA)	21
IP Rating	n/a
Weight (kg)	n/a

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Peristaltic & Centrifugal Pumps

Peristaltic pumps, often known as hose pumps, tube pumps, or roller pumps, use a hose to contain the liquid, virtually eliminating the risk of contamination. These pumps provide a simple alternative to condensate and tank pumps.

Product	Peri Pro Air
SBS Code	ACPERIPROAIR
Max Flow Rate (l/h)	15
Max Discharge Head (m)	12
Dimensions (LxWxH (mm))	132 x 76 x 118
Noise level (dBA)	21
IP Rating	24
Weight (kg)	n/a



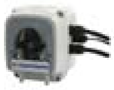
Product	Peri Pro+
SBS Code	ACPERIPROPLUS
Max Flow Rate (l/h)	15
Max Discharge Head (m)	12
Dimensions (LxWxH (mm))	132 x 76 x 118
Noise level (dBA)	21
IP Rating	24
Weight (kg)	n/a
Spare tube kit code	ACFP1282

Product	TPR with Reservoir & Alarm
SBS Code	ACTPR
Max Flow Rate (l/h)	9.5
Max Discharge Head (m)	14
Dimensions (LxWxH (mm))	96 x 98 x 115
Noise level (dBA)	n/a
IP Rating	52
Weight (kg)	1

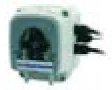
Product	TPS with Compressor Signal
SBS Code	ACTPS
Max Flow Rate (l/h)	9.5
Max Discharge Head (m)	14
Dimensions (LxWxH (mm))	96 x 98 x 115
Noise level (dBA)	n/a
IP Rating	52
Weight (kg)	1

Product	TPT with Temperature Sensor
SBS Code	ACTPT
Max Flow Rate (l/h)	9.5
Max Discharge Head (m)	14
Dimensions (LxWxH (mm))	96 x 98 x 115
Noise level (dBA)	n/a
IP Rating	52
Weight (kg)	1

Product	PE-5000 Compact Pump
SBS Code	ACPE5000
Max Flow Rate (l/h)	6
Max Discharge Head (m)	12
Dimensions (LxWxH (mm))	109 x 110 x 91
Noise level (dBA)	<30
IP Rating	65
Weight (kg)	1



Product	PE-5100 Compact Pump
SBS Code	ACPE5100
Max Flow Rate (l/h)	6
Max Discharge Head (m)	12
Dimensions (LxWxH (mm))	109 x 110 x 91
Noise level (dBA)	30
IP Rating	65
Weight (kg)	1.15



Product	PE-5200 Compact Pump
SBS Code	ACPE5200
Max Flow Rate (l/h)	6
Max Discharge Head (m)	12
Dimensions (LxWxH (mm))	109 x 110 x 91
Noise level (dBA)	<30
IP Rating	65
Weight (kg)	1.2

Centrifugal Pumps

A centrifugal pump circulates refrigerant by using an impeller driven by a motor. The impeller creates a low-pressure area to draw in the fluid, then spins it outward, increasing its velocity and pressure. This process helps move the refrigerant through the system, enabling efficient heat transfer and maintaining the desired temperatures.

Product	CP08 Centrifugal Pump
SBS Code	ACCP08SC6641
Max Flow Rate (l/h)	60
Max Discharge Head (m)	1.1
Dimensions (LxWxH (mm))	82.5 x 76 x 97.3
Noise level (dBA)	20-45
IP Rating	54
Weight (kg)	0.6

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Hose & Fittings

Smith Brothers offers high-quality AC hoses and fittings, essential components for automotive air conditioning and refrigeration systems. Our flexible hoses are designed to efficiently transport refrigerant between key system components, with construction that withstands high pressures and temperature fluctuations. Paired with our durable fittings, which securely connect hoses to critical system parts like the compressor, evaporator, condenser, and service ports, Smith Brothers ensures leak-proof, reliable connections for optimal AC system performance.

REINFORCED VINYL TUBE COIL

SBS Code	Size (Inch)	Length (m)	Colour
ACRVT04	1/4"	30	Clear
ACRVT04BLACK	1/4"	30	Black
ACRVT06	3/8"	30	Clear
ACRVT06BLACK	3/8"	30	Black
ACRVT086	1/2"	6	Clear
ACRVT08	1/2"	30	Clear
ACRVT08BLACK	1/2"	30	Black
ACRVT10	5/8"	30	Clear
ACRVT126	3/4"	6	Clear

BRAIDED PVC HOSE

SBS Code	Size (Inch)	Colour
BAH008	1/4″	Transparent
BAH010	3/8″	Transparent
BAH015	1/2″	Transparent
BAH020	3/4″	Transparent
BAH025	1″	Transparent

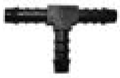
NYLON HOSE CONNECTOR (PACK OF 2)

SBS Code	Size (Inch)
AC701030	1/4"
AC701032	3/8"

NYLON HOSE TEE (PACK OF 2)

SBS Code	Size (Inch)
AC701038	3/8"

EQUAL TEE CONNECTOR (PACK OF 5)



SBS Code	Size (Inch)	Colour
ACFP2024	1/4"	Black

ELBOW CONNECTOR F/TUB

SBS Code	Size (Inch)	Colour
ACC00904	1/4"	Black
ACC00905	3/8"	Black

STRAIGHT CONNECTOR F/TUB

SBS Code	Size (Inch)	Colour
ACC00900	1/4"	Black
ACC00901	3/8"	Black

T CONNECTOR F/TUB

SBS Code	Size (Inch)	Colour
ACC00902	1/4"	Black
ACC00903	3/8"	Black

CASSETTE ADAPTOR

SBS Code	Size (mm)	Colour
ACFP2011	16 - 21	Black
ACFP2012	22 - 26	Black
ACFP2013	21 - 32	Black

CASSETTE ADAPTOR (PACKS OF 3)

SBS Code	Size (Inch)	Colour
ACADAPCACS	3/4" - 1"	Green
ACADAPCACM	3/4" - 1 1/4"	Blue
ACADAPCACL	3/4" - 1 1/2"	Black
ACADAPCACX	Multi-pack	Black/Blue/Green

BRASS HOSE ADAPTOR

SBS Code	Size A (mm)	Size B (mm)
HA008006	8	6
HA008010	8	10
HA008015	8	15
HA010006	10	6
HA010008	10	8
HA010015	10	15
HA015008	15	8
HA015010	15	10

BZP WORMDRIVE HOSE CLIP

SBS Code	Size (mm)
HCD000	(OOO) 9.5 - 12
HCDM00	(MOO) 11 - 16
HCD00	(OO) 13 - 20
HCD0	(O) 14 - 22
HCD0X	(OX) 17 - 25
HCD1A	(1A) 22 - 30
HCD1	(1) 25 - 34
HCD1X	(1X) 30 - 40
HCD2A	(2A) 35 - 50
HCD2	(2) 40 - 55
HCD2X	(2X) 45 - 60
HCD3	(3) 50 - 70
HCD3X	(3X) 60 - 80
HCD4	(4) 70 - 90

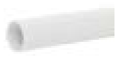
CONDENSATE REMOVAL, PUMPS & DRAINAGE

Overflow & Waste

Smith Brothers offers a range of reliable AC drain fittings designed to effectively manage condensate in air conditioning systems. These fittings connect to the condensate drain line, ensuring that excess water is efficiently directed away from the AC unit and surrounding areas. With durable construction and secure connections, our overflow products help prevent water damage and maintain the proper functioning of your AC system, making them an essential solution for both installations and repairs.

Overflow

PVCu OVERFLOW PIPE



SBS Code	Size (mm)	Length (m)	Colour
ACOF21.5B3M	21.5	3	Black
ACOF21.5W3M	21.5	3	White

OVERFLOW PIPE CLIP

SBS Code	Size (mm)	Colour
ACOF21.5BPC	21.5	Black
ACOF21.5WPC	21.5	White

OVERFLOW 90 DEG BEND

SBS Code	Size (mm)	Colour
ACOF21.5B90B	21.5	Black
ACOF21.5W90B	21.5	White

OVERFLOW WASTE REDUCER

SBS Code	Size A (mm)	Size B (mm)	Colour
ACOF21.5B32R	32	21.5	Black
ACOF21.5W32R	32	21.5	White
ACOF21.5B40R	40	21.5	Black
ACOF21.5W40R	40	21.5	White

OVERFLOW 135 (45) DEG BEND

SBS Code	Size (mm)	Colour
ACOF21.5B135B	21.5	Black
ACOF21.5W135B	21.5	White

OVERFLOW TEE

SBS Code	Size (mm)	Colour
ACOF21.5BT	21.5	Black
ACOF21.5WT	21.5	White

OVERFLOW BENT TANK CONNECTOR

SBS Code	Size (mm)	Colour
ACOF21.5BBTC	21.5	Black
ACOF21.5WBTC	21.5	White

OVERFLOW COUPLING

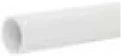
SBS Code	Size (mm)	Colour
ACOF21.5BC	21.5	Black
ACOF21.5WC	21.5	White

OVERFLOW STRAIGHT TANK CONNECTOR

SBS Code	Size (mm)	Colour
ACOF21.5BSTC	21.5	Black
ACOF21.5WSTC	21.5	White

Waste

ABS SOLVENT WELD WASTE PIPE



SBS Code	Size (mm)	Length (m)	Colour
ACABS32B3M	32	3	Black
ACABS32G3M	32	3	Grey
ACABS32W3M	32	3	White
ACABS40B3M	40	3	Black
ACABS40G3M	40	3	Grey
ACABS40W3M	40	3	White
ACABS50B3M	50	3	Black
ACABS50W3M	50	3	White

ABS WASTE 92.5 DEG SWEPT BEND

SBS Code	Size (mm)	Colour
ACABS32B92.5B	32	Black
ACABS32G92.5B	32	Grey
ACABS32W92.5B	32	White
ACABS40B92.5B	40	Black
ACABS40G92.5B	40	Grey
ACABS40W92.5B	40	White
ACABS50B92.5B	50	Black
ACABS50W92.5B	50	White

ABS WASTE 90 DEG BEND

SBS Code	Size (mm)	Colour
ACABS32B90B	32	Black
ACABS32G90B	32	Grey
ACABS32W90B	32	White
ACABS40B90B	40	Black
ACABS40G90B	40	Grey
ACABS40W90B	40	White
ACABS50B90B	50	Black
ACABS50W90B	50	White

ABS WASTE 90 DEG CONVERSION BEND

SBS Code	Size (mm)	Colour
ACABS32B90CB	32	Black
ACABS32G90CB	32	Grey
ACABS32W90CB	32	White
ACABS40B90CB	40	Black
ACABS40G90CB	40	Grey
ACABS40W90CB	40	White
ACABS50W90CB	50	White

CONDENSATE REMOVAL, PUMPS & DRAINAGE

Overflow & Waste

ABS WASTE 135 (45) DEG BEND

SBS Code	Size (mm)	Colour
ACABS32B135B	32	Black
ACABS32G135B	32	Grey
ACABS32W135B	32	White
ACABS40B135B	40	Black
ACABS40G135B	40	Grey
ACABS40W135B	40	White
ACABS50B135B	50	Black
ACABS50W135B	50	White

ABS WASTE 135 (45) DEG CONVERSION BEND

SBS Code	Size (mm)	Colour
ACABS32B135CB	32	Black
ACABS32G135CB	32	Grey
ACABS32W135CB	32	White
ACABS40B135CB	40	Black
ACABS40G135CB	40	Grey
ACABS40W135CB	40	White

ABS WASTE 135 (45) DEG BRANCH

SBS Code	Size (mm)	Colour
ACABS32W135BR	32	White
ACABS40G135BR	40	Grey
ACABS40W135BR	40	White

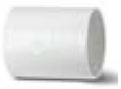
ABS WASTE TEE

SBS Code	Size (mm)	Colour
ACABS32BT	32	Black
ACABS32GT	32	Grey
ACABS32WT	32	White
ACABS40BT	40	Black
ACABS40GT	40	Grey
ACABS40WT	40	White
ACABS50BT	50	Black
ACABS50WT	50	White

ABS WASTE CROSS TEE 92.5 (87.5) DEG

SBS Code	Size (mm)	Colour
ACABS40W92.5CT	40	White

ABS WASTE COUPLING

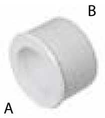


SBS Code	Size (mm)	Colour
ACABS32BSC	32	Black
ACABS32GSC	32	Grey
ACABS32WSC	32	White
ACABS40BSC	40	Black
ACABS40GSC	40	Grey
ACABS40WSC	40	White
ACABS50BSC	50	Black
ACABS50WSC	50	White

ABS WASTE PIPE CLIP

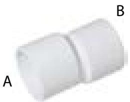
SBS Code	Size (mm)	Colour
ACABS32BSC	32	Black
ACABS32GSC	32	Grey
ACABS32WSC	32	White
ACABS40BSC	40	Black
ACABS40GSC	40	Grey
ACABS40WSC	40	White
ACABS50BSC	50	Black
ACABS50WSC	50	White

ABS WASTE REDUCER



SBS Code	Size A (mm)	Size B (mm)	Colour
ACABS40X32BR	40	32	Black
ACABS40X32GR	40	32	Grey
ACABS40X32WR	40	32	White
ACABS50X32BR	50	32	Black
ACABS50X32WR	50	32	White
ACABS50X40BR	50	40	Black
ACABS50X40WR	50	40	White

ABS WASTE LEVEL INSERT REDUCER



SBS Code	Size A (mm)	Size B (mm)
ACABS40WLIR	40	32

ABS WASTE TANK CONNECTOR

SBS Code	Size (mm)	Colour
ACABS32GTC	32	Grey
ACABS32WTC	32	White
ACABS40GTC	40	Grey
ACABS40WTC	40	White

ABS WASTE ACCESS PLUG

SBS Code	Size (mm)	Colour
ACABS32WAP	32	White
ACABS32BAP	32	Black
ACABS32GAP	32	Grey
ACABS40WAP	40	White
ACABS40BAP	40	Black
ACABS40GAP	40	Grey
ACABS50BAP	50	Black
ACABS50WAP	50	White

ABS WASTE MALE ADAPTOR

SBS Code	Size (mm)	Colour
ACABS32WMIC	32	White
ACABS40WMIC	40	White

SOLVENT CEMENT

SBS Code	Size (ml)	Notes
ACSC125	125	
ACSC250	250	
ABS500	500	
ABS750	750	
SC125	125	With Brush
SC250	250	With Brush
SC500	500	

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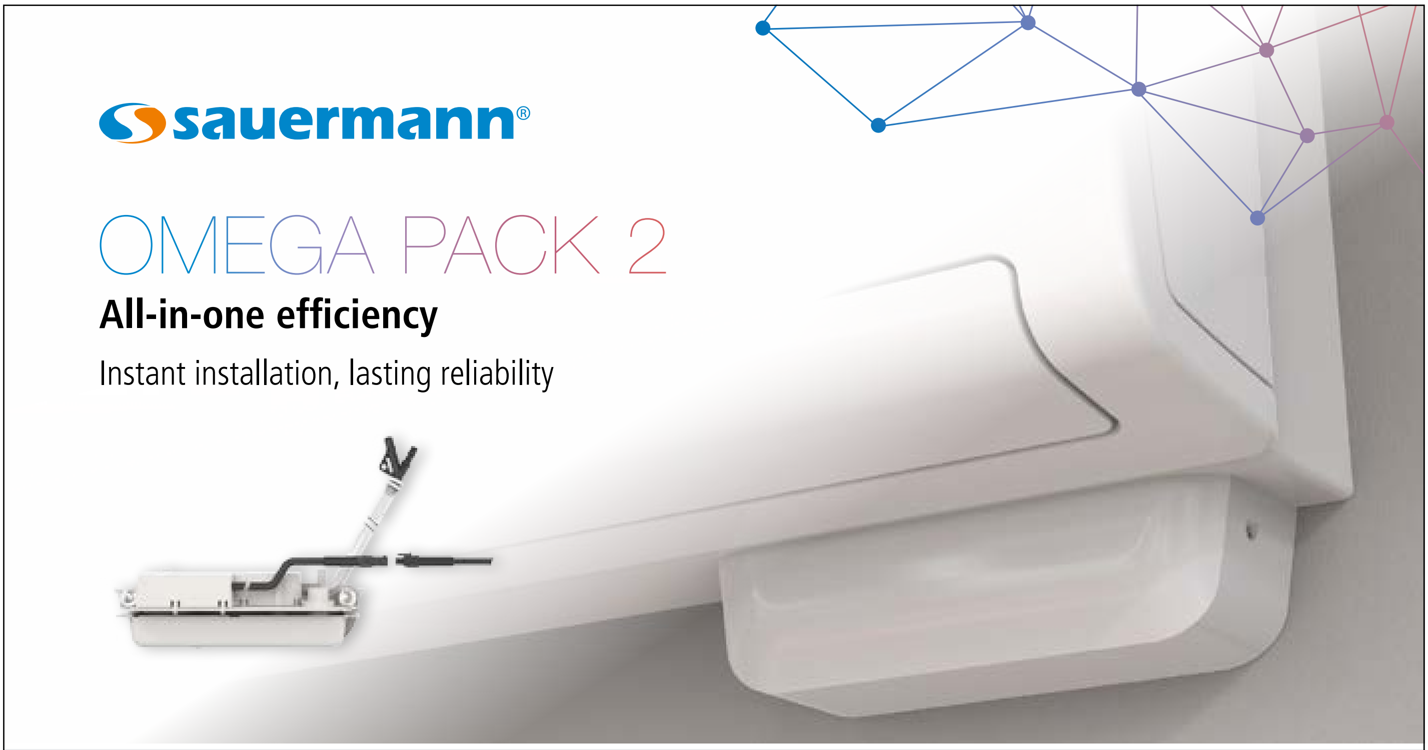

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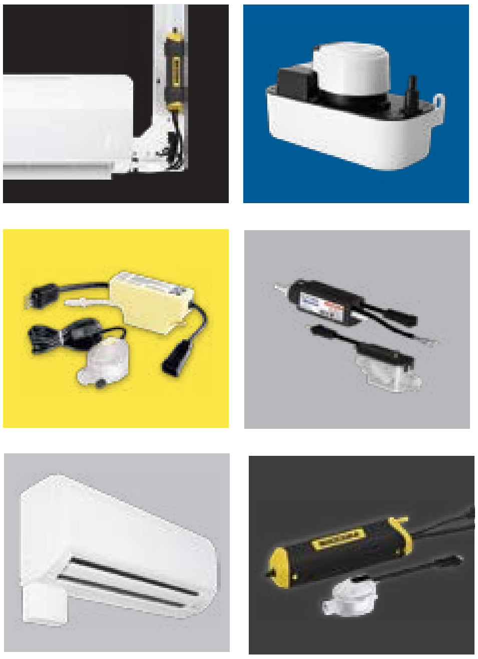

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VCMA-20S

- THE LITTLE GIANT VCMA-20S (RIGHT) IS AN ULTRA RELIABLE 2 LITRE TANK PUMP, AND IS SUPPLIED WITH BOTH 3/8" AND 1/4" CHECK VALVE OUTLET

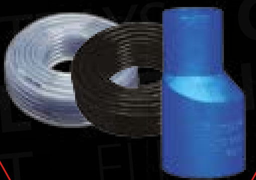
REDBOX 2L

PH-2L-SS-BLACK

REDBOX 1L

- THE REDBOX 1 AND 2 LITRE TANK PUMPS HAVE A FLOW RATE OF 280 LPH AND A LIFT OF 5.1 METRE

BRAIDED HOSE & ADAPTORS



- THE PH-2L-SS-BLACK TANK PUMP HAS 7.2 METRE DISCHARGE LIFT THAT HELPS WITH THE FLEXIBILITY OF THE INSTALLATION

- COMPREHENSIVE RANGE OF ACCESSORIES AVAILABLE INCLUDING: ADAPTORS AND BRAIDED HOSE

OUR MAIN AREAS OF PRODUCT EXPERTISE AND SUPPLY ARE REFRIGERATION, AIR CONDITIONING, AIR SOURCE HEAT PUMPS, BOILER AND HEATING, FLEXI SUPPORT SYSTEMS, FIXINGS, OILS AND LUBRICANTS, AND TOOLS

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REFRIGERANTS

Regulations

The F-Gas Regulations (EU Regulation No 517/2014) were introduced to manage the use of fluorinated gases (F-Gases), which are potent greenhouse gases commonly used in refrigeration, air conditioning, and heat pump systems. The regulations aim to reduce F-Gas emissions to mitigate climate change, with a particular focus on reducing the carbon footprint of HVAC systems.

Key Points for the UK HVAC Market

1. **Phased Reduction of F-Gas Usage:**
    - The UK is committed to reducing the use of F-Gases by 79% by 2030, based on 2015 levels, in line with international climate goals.
    - A gradual phase-out of high-GWP (Global Warming Potential) refrigerants like HFCs will lead to the adoption of more sustainable alternatives.
2. **Leakage Prevention and Maintenance:**
    - Regular checks are required to prevent leaks, with different requirements based on the refrigerant charge size.
    - Equipment must be maintained to prevent leaks, and refrigerant recovery and recycling practices are mandatory.
    - Annual inspections for systems with more than 5 tons of CO_2 equivalent (CO_2e) are mandatory.
3. **Certification and Training:**
    - Professionals working with F-Gas systems must hold valid F-Gas certification (such as Category 1 for servicing and maintenance).
    - Technicians must undergo specific training to ensure safe handling and compliance with environmental standards.
4. **Record Keeping and Reporting:**
    - Businesses must maintain records of refrigerants used, including the type, quantity, and leakage history, for inspection by authorities.
    - A central register for the trade in F-Gas refrigerants is maintained by the Environment Agency.
5. **Ban on Certain Equipment:**
    - New systems using high-GWP refrigerants will be phased out, and there are restrictions on the use of F-Gases in certain equipment types, especially in the retail, industrial, and commercial sectors.
    - There are also restrictions on the installation of systems containing refrigerants with a GWP above certain thresholds.
6. **Alternative Refrigerants:**
    - The market is shifting towards more environmentally friendly alternatives such as HFOs (Hydrofluoroolefins) and natural refrigerants (e.g., CO_2, ammonia, and hydrocarbons), which have a much lower GWP.
    - Businesses must consider transitioning to low-GWP alternatives to comply with regulatory changes and future-proof their operations.

By adhering to these F-Gas Regulations, HVAC companies not only comply with UK environmental policies but also contribute to a more sustainable future for the industry. Investing in the proper training, equipment, and refrigerants ensures both compliance and improved energy efficiency.

REFRIGERANTS
Regulations

2015

Production 100%

Benchmark
for
Phase Down

2017

Production -7%

2020

Reduction -37%

Service ban for refrigerants
with GWP >2500 - unless
recycled e.g. R404A

2022

Reduction -55%

New systems over 40kW need to
use refrigerant with >150 GWP
New installs cannot be R448

2025

Reduction -69%

New air-conditioning and
heat pump systems to use
refrigerant >750 GWP

2030

Reduction -79%

Ban on servicing with
recycled refrigerants with
>2500 e.g. R404A

ASHRAE Number	Product Name	Global Warming Potential (GWP)	Retrofit Replacement	Max Charge Size in kg (Equivalent to 40 tonnes CO_2)	Safety Code Classification	Flammable
R134a	N/A	1430	R12	27.97	A1	No
R32	N/A	675	R410A*	59.26	A2L	Yes
R404A	N/A	3922	R502 & R22	10.20	A1	No
R407A	N/A	2107	R22 & R404A	18.98	A1	No
R407C	N/A	1774	R22	22.55	A1	No
R407F	Genetron Performax LT	1825	R22, R404A & R407A	21.92	A1	No
R410A	N/A	2088	N/A	19.16	A1	No
R417A	Freon/Isceon MO59	2346	R22	17.05	A1	No
R422A	Freon/Isceon MO79	3143	R22 & R502	12.73	A1	No
R434A	RS-45	3238	R22	12.35	A1	No
R448A	Solstice N40	1387	R404A & R507	28.84	A1	No
R449A	Opteon XP40	1397	R404A & R507A	28.63	A1	No
R450A	Solstice N13	604	R134a	66.23	A1	No
R452A	Opteon XP44	2140	R404A & R507A	18.69	A1	No
R454A	Opteon XL40	238	R22, R404A, R407A/F & R507	168.07	A2L	No
R454C	Opteon XL20	148	R22, R404A & R507	270.27	A2L	No
R513A	Opteon XP10	631	R134a	63.39	A1	No
R1270	Propylene	2	N/A	N/A	A3	Yes
R290	Propane	3	N/A	N/A	A3	Yes
R600A	Iso-Butane	4	N/A	N/A	A3	Yes

*new equipment required, not a direct retrofit replacement.

Disclaimer: The information within this document is for guideline use only. For complete accuracy, always check the details with the IPCC. It is your responsibility that any gas usage conforms to the relevant regulation. Any reliance placed upon this information will be totally at the user's risk.

REFRIGERANTS

Regulations

CO_2 Equivalent – What is it?

Starting January 1, 2020, the use of virgin refrigerants with a Global Warming Potential (GWP) greater than 2500 to service or maintain refrigeration systems with a charge size of 40 tonnes of CO_2 equivalent or more will be prohibited. This rule does not apply to military equipment or systems designed for cooling products to temperatures below -50°C.

To calculate the Tonnes of CO_2 Equivalent:

Mass (in kg) of system charge x GWP value divided by 1000 = tonnes CO_2 equivalent (kg)

Reclaimed Refrigerant

Between 2020 and 2030, reclaimed refrigerant can be used to service systems that contain refrigerants with a GWP of 2500 or higher. This will primarily impact systems using R404A.

SCAN ME

Online GWP Calculator

Leak Checks – The Law

Starting January 1, 2015, operators of equipment containing fluorinated greenhouse gases in amounts of 5 tonnes of CO_2 equivalent or more (excluding those in foams) must ensure regular leak checks are performed. This requirement applies to operators of stationary refrigeration systems, air conditioning units, heat pumps, fire protection systems, and refrigeration units in refrigerated trucks and trailers.

Tonnes CO_2 Equivalent Charge Weight (kg)	Frequency of Inspection	Frequency if Leak Detection Equipment is Fitted	Leak Detection Equipment Mandatory
≥5 and ≤50	Every 12 months	Every 24 months	No
≥50 and ≤500	Every 6 months	Every 12 months	No
≥500	Every 3 months	Every 6 months	Yes
Hermetic systems ≤10	N/A	N/A	No

Labelling – The Law

As of January 1, 2017, RAC equipment sold must be clearly labelled to indicate it contains fluorinated greenhouse gases. The label should include the name of the refrigerant, its quantity in kilograms, its CO_2 equivalent, and the Global Warming Potential (GWP) value of the refrigerant.

Purchasing of Refrigerant

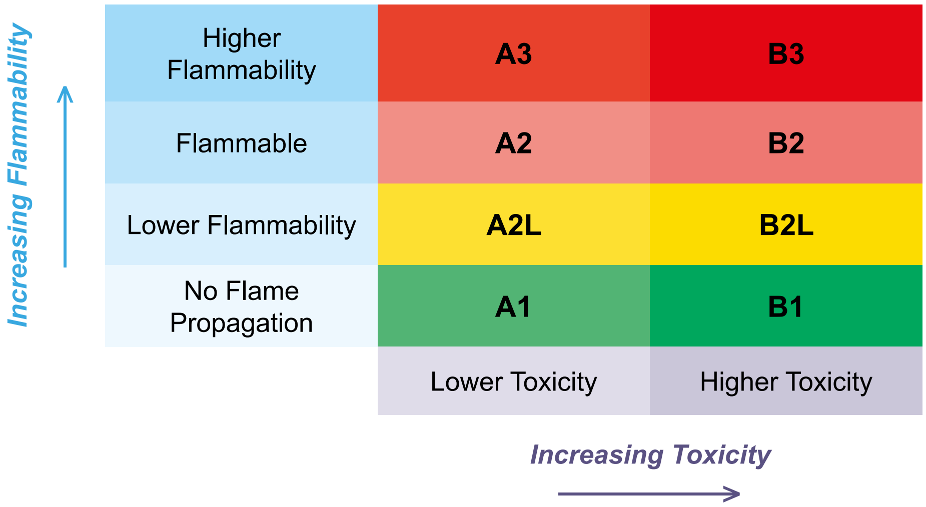
Starting January 1, 2015, refrigerant can only be sold to certified companies. To purchase refrigerant, companies must be registered with one of the following organisations:

- Refcom
- Bureau Veritas
- Quidos

There are some exceptions, including for transport refrigeration, OEMs, and end users, where providing details of the engineer’s F-Gas qualification is sufficient. Additionally, refrigerant can be shipped or collected by third parties who are not certified.

REFRIGERANTS
Regulations

ASHRAE Flammability & Toxicity Reference



Higher Flammability	A3	B3
Flammable	A2	B2
Lower Flammability	A2L	B2L
No Flame Propagation	A1	B1
	Lower Toxicity	Higher Toxicity

General Replacement Guide

Refrigerant	**Product Name**	**Safety Classification**
R404 & R407A/C/F Replacements		
R407A		A1
R407F	Performax LT	A1
R442A	RS-50	A1
R448A	Soltice N40	A1
R449A	Opteon XP40	A1
R452A	Opteon XP44	A1
R454A	Opteon XL40	A2L
R454C	Opteon XL20	A2L
R134a Replacements		
HFO1234yf	Opteon XL10	A2L
R450A	Solstice N13	A1
R513A	Opteon XP10	A1
R454A	Opteon XP10	A1
R22 & R-422D Replacements		
R438A	Freon/Isceon MO99	A1
R448A	Solstice N40	A1
R449A	Opteon XP40	A1
R453A	RS-70	A1
R454C	Opteon XL20	A2L

Disclaimer: The information within this document is for guideline use only. For complete accuracy, always check the details with the IPCC. It is your responsibility that any gas usage conforms to the relevant regulation. Any reliance placed upon this information will be totally at the user's risk.

REFRIGERANTS

HFC Refrigerants

HFC refrigerant (hydrofluorocarbons) is the third generation of fluorinated refrigerants. Recognised as Ozone Depleting Potential (ODP) and Global Warming Potential (GWP), they represent a greener alternative to CFC and HCFC.

HFC REFRIGERANTS

SBS Code	ASHRAE Number	Size (Kg)	Product Name	GWP	Notes
R134AS	R134A	12.5	n/a	1430	
R134AM	R134A	28.5	n/a	1430	
R134AL	R134A	63.5	n/a	1430	
R23S	R23	4.4	n/a	14800	
R23L	R23	44.5	n/a	14800	
R404ASVIR	R404A	10	n/a	3922	Virgin
R404ASREC	R404A	10	n/a	3922	Reclaimed
R404AMREC	R404A	22	n/a	3922	Reclaimed
R404ALREC	R404A	49	n/a	3922	Reclaimed
R407AS	R407A	11.5	n/a	2107	
R407AM	R407A	25.5	n/a	2107	
R407AL	R407A	57	n/a	2107	
R407CS	R407C	11.5	n/a	1774	
R407CM	R407C	25.5	n/a	1774	
R407CL	R407C	57.5	n/a	1774	
R407FS	R407F	11.5	Genetron Performax LT	1825	
R407FM	R407F	25	Genetron Performax LT	1825	
R407FL	R407F	55.5	Genetron Performax LT	1825	
R410AS	R410A	10	n/a	2088	
R410AM	R410A	22	n/a	2088	
R410AL	R410A	49	n/a	2088	
R417AS	R417A	12	Freon/Isceon MO59	2346	
R417AM	R417A	26	Freon/Isceon MO59	2346	
R417AL	R417A	58	Freon/Isceon MO59	2346	
R422AS	R422A	10.5	Freon/Isceon MO79	3143	Virgin
R422AM	R422A	23.5	Freon/Isceon MO79	3143	Virgin
R422AL	R422A	52.5	Freon/Isceon MO79	3143	Virgin
R422ASREC	R422A	10.5	Freon/Isceon MO79	3143	Reclaimed
R422AMREC	R422A	23.5	Freon/Isceon MO79	3143	Reclaimed
R422ALREC	R422A	52.5	Freon/Isceon MO79	3143	Reclaimed
R422DS	R422D	11.5	Freon/Isceon MO29	2729	
R422DSREC	R422D	11.5	Freon/Isceon MO29	2729	Reclaimed
R422DMREC	R422D	25	Freon/Isceon MO29	2729	Reclaimed
R422DLREC	R422D	56	Freon/Isceon MO29	2729	Reclaimed
R428AS	R428A	10	RS-52	3607	
R428AM	R428A	22	RS-52	3607	
R428AL	R428A	49	RS-52	3607	
R434AS	R434A	10.5	RS-45	3238	
R434AM	R434A	23.5	RS-45	3238	
R434AL	R434A	52	RS-45	3238	
R437AS	R437A	12.5	Isceon MO49Plus	1805	
R437AM	R437A	27.5	Isceon MO49Plus	1805	
R437AL	R437A	61	Isceon MO49Plus	1805	
R438AS	R438A	11.5	Isceon MO99	2265	
R438AM	R438A	25.5	Isceon MO99	2265	
R438AL	R438A	57.5	Isceon MO99	2265	
R442AS	R442A	11	RS-50	1888	
R442AM	R442A	24.5	RS-50	1888	
R442AL	R442A	55	RS-50	1888	
R507SVIR	R507	10	n/a	3985	Virgin
R507SREC	R507	10	n/a	3985	Reclaimed
R507MREC	R507	24.5	n/a	3985	Reclaimed
R507LREC	R507	48.5	n/a	3985	Reclaimed

REFRIGERANTS

HFC - Lower GWP Alternatives

A list of the lower GWP HFC refrigerants available from Smith Brothers.

HFC - LOWER GWP ALTERNATIVES

SBS Code	ASHRAE Number	Size (Kg)	Product Name	GWP
R1234YFS	R1234YF	5	n/a	4
R1234YFL	R1234YF	50	n/a	4
R1234ZDS	R1234ZD	5	n/a	6
R1234ZDL	R1234ZD	50	n/a	6
R1234ZES	R1234ZE	12.5	n/a	7
R32S	R32	9.5	n/a	675
R32M	R32	21	n/a	675
R32L	R32	46.5	n/a	675
R448AS	R448A	11	Solstice N40	1387
R448AM	R448A	24	Solstice N40	1387
R448AL	R448A	54	Solstice N40	1387
R449AS	R449A	11	Opteon XP40	1397
R449AM	R449A	24	Opteon XP40	1397
R449AL	R449A	54	Opteon XP40	1397
R452AS	R452A	11	Opteon XP44	2140
R452AM	R452A	24	Opteon XP44	2140
R452AL	R452A	54	Opteon XP44	2140
R452BS	R452B	9.5	Opteon XL55	698
R452BM	R452B	21	Opteon XL55	698
R452BL	R452B	47	Opteon XL55	698
R453AS	R453A	11.5	RS-70	1765
R453AM	R453A	26	RS-70	1765
R453AL	R453A	57.5	RS-70	1765
R454AS	R454A	9.5	Opteon XL40	238
R454AM	R454A	21	Opteon XL40	238
R454AL	R454A	47.5	Opteon XL40	238
R454BS	R454B	9.5	Opteon XL41	466
R454BM	R454B	21	Opteon XL41	466
R454BL	R454B	47	Opteon XL41	466
R454CS	R454C	9	Opteon XL20	148
R454CM	R454C	21.5	Opteon XL20	148
R454CL	R454C	48.5	Opteon XL20	148
R470AS	R470A	11	RS-53	909
R470AM	R470A	24.5	RS-53	909
R470AL	R470A	54.5	RS-53	909
R470BS	R470B	11.5	RS-51	717
R470BM	R470B	25.5	RS-51	717
R470BL	R470B	56.5	RS-51	717
R513AS	R513A	12.5	Opteon XP10	631
R513AM	R513A	27.5	Opteon XP10	631
R513AL	R513A	61	Opteon XP10	631

REFRIGERANTS
Hydrocarbon, OFN & Accessories

Hydrocarbon

Hydrocarbon refrigerants are natural, non-toxic refrigerants that have no ozone depleting properties and low global warming potential. Hydrocarbons are one of the most climate-friendly and cost-effective refrigerants to cool and freeze.

HYDROCARBON REFRIGERANTS

SBS Code	ASHRAE Number	Size (Kg)	Product Name	GWP
R1270S	R1270	3.5	Propylene	2
R1270M	R1270	11	Propylene	2
R1270L	R1270	46	Propylene	2
R290S	R290	3.5	Propane	3
R290M	R290	11	Propane	3
R290L	R290	46	Propane	3

OFN

Oxygen Free Nitrogen (OFN) is used for leak detection, strength and pressure testing and in helping to reduce oxidation when brazing.

OXYGEN FREE NITROGEN (OFN)

SBS Code	Size (Litre)	Notes
OFN10LTR	10	
OFN47.2LTR	47.2	
TRACERGAS10LTR	10	5% Hydrogen in Nitrogen

Accessories

CYLINDER ADAPTORS

SBS Code	Description
CYLADAPTOR	Cylinder Adaptor Brass c/w 1/4" M/FL GB-4C (Fits Harp Bottles)
ACJAV-CA04218	R32 Cylinder Adaptor L/H Thread
ACADAPR410	R410a Adaptor QCS- 5/16”x1/4”
AC7090	5/8” BSPF To 1/4” MFL Gas Cylinder Adaptor c/w Washer
ACK14F	5/8” BSPF To 3/8” MFL Gas Cylinder Adaptor c/w Washer
ACK14E	3/4” BSPF To 1/4” MFL Gas Cylinder Adaptor c/w Washer
AC961156	CGA660 To 1/4” MFL Gas Cylinder Adaptor c/w Washer
AC961169	21.8mm LH To 1/4” MFL Gas Cylinder Adaptor c/w Washer
AC7090W	5/8” BSPF Fibre Washer

REFRIGERANTS

Reclaim, Recovery and Receiver Cylinders

Recovery cylinders are used for the sole purpose of returning used or reclaimed refrigerant. Receiver Cylinders are used as a temporary storage vessel for refrigerant that the engineer wishes to re-introduce into a system. Receiver cylinders are cleaned and evacuated prior to dispatch and come complete with a dual port valve to enable push-pull recovery of gas.

RECOVERY

SBS Code	Cylinder	Size (Kg)	Notes
RECOVERYS	Recovery	7	Yellow Top
RECOVERYM	Recovery	20	Yellow Top
RECOVERYL	Recovery	50	Yellow Top
RECOVERYSR32	Recovery	7	Yellow/Red Top

RECEIVER

SBS Code	Cylinder	Size (Kg)	Notes
RECEIVERS	Receiver	7	Yellow/Green Top
RECEIVERM	Receiver	20	Yellow/Green Top
RECEIVERL	Receiver	50	Yellow/Green Top

Receiver

Receiver cylinders are designed to hold refrigerant while maintenance or repair is undertaken. They must be returned empty.

Refrigerant

In

→

Refrigerant

Returned to system

→

Recovery

Recovery cylinders are used for the return of used or reclaimed refrigerant for processing.

Refrigerant

Recovery

→

CYLINDER RENTAL CHARGES TERMINATED!

SAVING YOU TIME ON ADMINISTRATION!

SAVING YOU MONEY!

With costs rising and because we value your business, Smith Brothers are giving a little something back...

All SBS cylinders are subject to standard terms and conditions.
For further information on lost cylinder charges, contact us at rac@sbs.co.uk.

LINE COMPONENTS, CONTROLS & ACCESSORIES

Valves

A range of line components that play critical roles in ensuring system efficiency and reliability. These include valves, filter driers, sight glasses, pressure switches, fan motors, electrical cable and accessories. Each component is designed to optimise the flow, control and protection of ACR installations, supporting smooth operation and prolonging the system's lifespan.

SANHUA CBV BALL VALVE - SOLDER

SBS Code	MPN	Size (Inch)
ACCBV02-001	10150074102	1/4"
ACCBV03-001	10150074302	3/8"
ACCBV04-001	10150074502	1/2"
ACCBV05-001	10150074702	5/8"
ACCBV06-001	10150074802	3/4"
ACCBV07-001	10150063002	7/8"
ACCBV09-001	10150062902	1 1/8"
ACCBV11-001	10150075102	1 3/8"
ACCBV13-002	10150062802	1 5/8"
ACCBV17-001	10150075302	2 1/8"

SANHUA SBV BALL VALVE - SOLDER (WITHOUT ACCESS)

SBS Code	MPN	Size (Inch)
ACSBV02-019	10150091902	1/4"
ACSBV03-019	10150091802	3/8"
ACSBV04-019	10150090502	1/2"

SANHUA SBV BALL VALVE - SOLDER (WITH ACCESS)

SBS Code	MPN	Size (Inch)
ACSBV(M)-JA2YHSY-1-SA	10150094602	1/4"
ACSBV(M)-JA3YHSY-2-SA	10150094802	3/8"
ACSBV(M)-JA4YHSY-1-SA	10150095002	1/2"
ACSBV(M)-JA5YHSY-1-SA	10150053402	5/8"
ACSBV(M)-JA6YHSY-1-SA	10150054202	3/4"
ACSBV(M)-JA7YHSY-1-SA	10150053602	7/8"
ACSBV(M)-JA9YHSY-1-SA	10150054802	1 1/8"
ACSBV(M)-JA11YHSY-1-SA	10150054902	1 3/8"
ACSBV(M)-JA13YHSY-2-SA	10150055402	1 5/8"
ACSBV(M)-JA17YHSY-1-SA	10150055802	2 1/8"
ACSBV(M)-JA21YHSY-2-SA	10150056402	2 5/8"
ACSBV(M)-JA25YHSY-2-SA	10150056602	3 1/8"
ACSBV(M)-JA29YHSY-1-SA	10150056902	3 5/8"
ACSBV(M)-JA33YHSY-2-SA	10150056202	4 1/8"

SANHUA THERMOSTATIC EXPANSION VALVE - ANGLE WAY - SOLDER (R290)

SBS Code	MPN	Size	Bleed (%)	Connection In/Out (Inch)	Ext Equalisation (Inch)
ACRFGB06-0.17-719	10205115902	0	15	1/4" - 3/8"	n/a
ACRFGB06-0.17-735	10205123002	0	0	1/4" - 3/8"	n/a
ACRFGB06-0.35-652	10205127002	1	15	1/4" - 3/8"	n/a
ACRFGB06E-0.35-720	10205116002	1	15	1/4" - 3/8"	1/4"
ACRFGB06E-0.35-721	10205116102	1	0	1/4" - 3/8"	1/4"
ACRFGB06E-0.7-722	10205116202	2	0	1/4" - 3/8"	1/4"
ACRFGB06E-1.0-723	10205116302	3	0	3/8" - 1/2"	1/4"
ACRFGB06E-1.5-724	10205116402	4	0	3/8" - 1/2"	1/4"
ACRFGB06E-2.0-725	10205116502	5	0	3/8" - 1/2"	1/4"

SANHUA THERMOSTATIC EXPANSION VALVE - STRAIGHT - SOLDER (R290)

SBS Code	MPN	Size	Bleed (%)	Connection In/Out (Inch)	Ext Equalisation (Inch)
ACRFGB06-0.17-450	10205126802	0	15	1/4" - 3/8"	n/a
ACRFGB06E-0.17-453	10205096402	0	15	1/4" - 3/8"	1/4"
ACRFGB06-0.35-525	10205115102	1	15	1/4" - 3/8"	n/a
ACRFGB06-0.35-526	10205115202	1	0	1/4" - 3/8"	n/a
ACRFGB06-0.35-527	10205115302	1	0	1/4" - 1/2"	n/a
ACRFGB06E-0.35-528	10205115402	1	15	1/4" - 3/8"	1/4"
ACRFGB06E-0.35-536	10205122802	1	0	1/4" - 3/8"	1/4"
ACRFGB06E-0.7-537	10205122902	2	0	1/4" - 3/8"	1/4"
ACRFGB06E-1.0-518	10205114802	3	0	3/8" - 1/2"	1/4"
ACRFGB06E-2.0-520	10205115002	5	0	3/8" - 1/2"	1/4"

SANHUA MDF SOLENOID VALVE - FLARE

SBS Code	MPN	Size (Inch)	Kv [m³/h]
ACMDF-A03-2L001	10125000102	1/4"	0,16
ACMDF-A03-3L001	10125009202	1/4"	0,23
ACMDF-A03-3L003	10125004402	3/8"	0,23
ACMDF-A03-6L001	10125009302	3/8"	0,8
ACMDF-A03-6L003	10125004502	1/2"	0,8
ACMDF-A03-10L003	10125005402	1/2"	1,9
ACMDF-A03-10L001	10125009402	5/8"	1,9
ACMDF-A03-15L001	10125009502	5/8"	2,3

SANHUA MDF SOLENOID VALVE - SOLDER

SBS Code	MPN	Size (Inch)	Kv [m³/h]
ACMDF-A03-2H001	10125011202	1/4"	0,16
ACMDF-A03-3H001	10125011302	1/4"	0,23
ACMDF-A03-3H003	10125003602	3/8"	0,23
ACMDF-A03-6H001	10125011402	3/8"	0,8
ACMDF-A03-6H003	10125004202	1/2"	0,8
ACMDF-A03-10H001	10125011502	1/2"	1,9
ACMDF-A03-10H003	10125006302	5/8"	1,9
ACMDF-A03-15H005	10125003702	5/8"	2,3
ACMDF-A03-20H003	10125005602	1 1/8"	5
ACMDF-B03-25H003	10125006902	1 1/8"	5,9
ACMDF-B03-25H004	10125006802	1 3/8"	10

LINE COMPONENTS, CONTROLS & ACCESSORIES
Valves

SANHUA MDF SOLENOID VALVE COIL

SBS Code	MPN	Plug Type	Rated Voltage (V)	Voltage Tolerance
ACMQ-A03024-000001	10820009902	DIN	24	-15%/+10%
ACMQ-A0311A-000001	10820010102	DIN	110-120	-15%/+10%
ACMQ-A0322G-000001	10820010002	DIN	220-240	-15%/+10%
ACMQ-A11024-000001	10820009402	Quick Install	24	-15%/+10%
ACMQ-A1111A-000001	10820009202	Quick Install	110-120	-15%/+10%
ACMQ-A1122G-000001	10820009002	Quick Install	220-240	-15%/+10%
ACMQ-D03024-000002	10820001002	DIN	24	-15%/+10%

SANHUA LDF SOLENOID VALVE COIL

SBS Code	MPN	Length (cm)
ACPQ-M24012-000007	10810127602	150
ACPQ-M24012-000008	10810129502	300
ACPQ-M24012-000009	10810129602	600
ACPQ-M24012-000010	10810129702	900

SANHUA MDF-A02 (NO) SOLENOID VALVE COIL

SBS Code	MPN	Plug Type	Rated Voltage (V)	Voltage Tolerance
ACMQ-A02024-000001	10820004502	DIN	24	-15%/+10%
ACMQ-A0211A-000001	10820003702	DIN	110-240	-15%/+10%
ACMQ-A0222G-000001	10820004102	DIN	220-240	-15%/+10%
ACMQ-D02012-000001	10820006702	DIN	12	±10%
ACMQ-D02024-000001	10820006902	DIN	24	±10%

SANHUA DPF ELECTRONIC EXPANSION VALVE

SBS Code	MPN	Model	Seat (mm)
ACDPF(TS1)1.0C-15	10130391602	TS1	1.0
ACDPF(TS1)1.3C-21	10130389302	TS1	1.3
ACDPF(TS1)1.65C-36	10130391702	TS1	1.65
ACDPF(TS1)1.8C-69	10130391802	TS1	1.8
ACDPF(TS1)2.0C-33	10130392402	TS1	2
ACDPF(TS1)2.2C-24	10130392702	TS1	2.2
ACDPF(TS1)2.4C-40	10130392602	TS1	2.4
ACDPF(TS1)3.0C-29	10130389902	TS1	3
ACDPF(TS1)3.2C-30	10130389502	TS1	3.2
ACDPF(S03)4.0C-01	10130355702	S03	4
ACDPF(S03)4.5C-01	10130035502	S03	4.5
ACDPF(S03)5.5C-01	10130355802	S03	5.5
ACDPF(S03)6.5C-02	10130355902	S03	6.5

SANHUA HDF SOLENOID VALVE COIL

SBS Code	MPN	Rated Voltage (V)	Voltage Tolerance
ACMQ-A03024-001001	10820006102	24	-15%/+10%
ACMQ-A0311A-001001	10820006302	110-120	-15%/+10%
ACMQ-A0322G-001001	10820005702	220-240	-15%/+10%

SANHUA LDF SOLENOID VALVE

SBS Code	MPN	Size
ACLDF2A01	10127000102	2
ACLDF2A02	10127000402	2
ACLDF3A08	10127001802	3
ACLDF4A08	10127001102	4
ACLDF6A08	10127001202	6
ACLDF8A01	10127000502	8
ACLDF8A02	10127000602	8

SANHUA DPR EEV VALVE COIL

SBS Code	MPN	Model	Length (cm)
ACPQ-M10012-001002	10810130702	TS1	200
ACPQ-M03012-001004	10810141302	S03	200

SANHUA YCVS CHECK VALVE PISTON TYPE - SOLDER

SBS Code	MPN	Type	Connections ODF Ø d [inch]	Connections ODF Ø d [mm]	Min. OPD [kPa]
ACYCVS 5-22GSHC-1	10160024502	straight-way	1/4″	-	5
ACYCVS 8-33GSHC-1	10160024602	straight-way	3/8″	-	5
ACYCVSH 8-33GSHC-1	10160030502	straight-way	3/8″	-	15
ACYCVS 10-44GSHC-1	10160023902	straight-way	1/2″	-	5
ACYCVSH10-44GSHC-1	10160024802	straight-way	1/2″	-	15
ACYCVS 13-55GSHC-1	10160024002	straight-way	5/8″	16	5
ACYCVSH 13-55GSHC-1	10160024902	straight-way	5/8″	16	15
ACYCVS 17-66GSHC-1	10160024102	straight-way	3/4″	-	5
ACYCVSH 17-66GSHC-1	10160028202	straight-way	1/2″	-	15
ACYCVS 17-77GSHC-1	10160025002	straight-way	7/8″	22	5
ACYCVSH 17-77GSHC-1	10160037502	straight-way	7/8″	22	15
ACYCVS 20-77GSHC-1	10160030002	L-shape	7/8″	22	10
ACYCVSH 20-77GSHC-1	10160034602	L-shape	7/8″	22	30
ACYCVS 26-99GSHC-1	10160030102	L-shape	1 1/8″	-	10
ACYCVSH 26-99GSHC-1	10160034702	L-shape	1 1/8″	-	30
ACYCVS 31-BBGSHC-1	10160024402	L-shape	1 3/8″	35	10
ACYCVSH 31-BBGSHC-1	10160037402	L-shape	1 3/8″	35	30
ACYCVS 31-DDGSHC-1	10160037002	L-shape	1 5/8″	-	10
ACYCVSH 31-DDGSHC-1	10160037102	L-shape	1 5/8″	-	30

SANHUA THERMOSTATIC EXPANSION VALVE - RANGE N: TEMPERATURE RANGE FROM -40°C TO +10°C [WITHOUT MOP] RFKH

SBS Code	Refrigerant	MPN	Connection type	Inlet ØA	Outlet ØB		Ext. ØC	
			In / Out / Ext. Pressure Equal.	Flare	Flare	Solder	Flare	Solder
				[Inch]	[Inch]	[Inch]	[Inch]	[Inch]
ACRFKH 01-6.0-22	R22	10201002502	flare / flare	3/8″	1/2″	-	-	-
ACRFKH01E-6.0-13		10201002402	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH01-6.0-07		10201002202	flare / solder		-	1/2″	-	-
ACRFKH01E-6.0-08		10201002302	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH02-6.3-24	R407C	10201002902	flare / flare	3/8″	1/2″	-	-	-
ACRFKH02E-6.3-20		10201002802	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH02-6.3-32		10201003202	flare / solder		-	1/2″	-	-
ACRFKH02E-6.3-18		10201002702	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH03-4.8-21	R404A/R507A	10201003702	flare / flare	3/8″	1/2″	-	-	-
ACRFKH03E-4.8-15		10201003802	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH03-4.8-09		10201003502	flare / solder		-	1/2″	-	-
ACRFKH03E-4.8-10		10201003602	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH04-2.9-23	R134a	10201004102	flare / flare	3/8″	1/2″	-	-	-
ACRFKH04E-2.9-19		10201004002	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH04-2.9-30		10201004302	flare / solder		-	1/2″	-	-
ACRFKH04E-2.9-31		10201004402	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH05-7.6-66	R410A	10201005702	flare / flare	3/8″	1/2″	-	-	-
ACRFKH05E-7.6-33		10201005202	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH05-7.6-35		10201005402	flare / solder		-	1/2″	-	-
ACRFKH05E-7.6-34		10201005302	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH07-6.0-43	R407A/R407F	10201004802	flare / flare	3/8″	1/2″	-	-	-
ACRFKH07E-6.0-42		10201004702	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH07-6.0-45		10201005002	flare / solder		-	1/2″	-	-
ACRFKH07E-6.0-46		10201005102	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH08-6.1-49	R448A/R449A	10201012802	flare / flare	3/8″	1/2″	-	-	-
ACRFKH08E-6.1-48		10201012402	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH08-6.1-51		10201012502	flare / solder		-	1/2″	-	-
ACRFKH08E-6.1-52		10201012602	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH10-2.8-61	R450A	10201016102	flare / flare	3/8″	1/2″	-	-	-
ACRFKH10E-2.8-60		10201016002	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH10-2.8-63		10201016302	flare / solder		-	1/2″	-	-
ACRFKH10E-2.8-64		10201016402	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH11-4.5-55	R452A	10201013602	flare / flare	3/8″	1/2″	-	-	-
ACRFKH11E-4.5-54		10201013502	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH11-4.5-57		10201013802	flare / solder		-	1/2″	-	-
ACRFKH11E-4.5-58		10201013902	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH14-2.7-68	R513A	10201016802	flare / flare	3/8″	1/2″	-	-	-
ACRFKH14E-2.7-67		10201016702	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH14-2.7-71		10201017002	flare / solder		-	1/2″	-	-
ACRFKH14E-2.7-76		10201017102	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH20-4.3-80	R455A/R454C	10201024902	flare / flare	3/8″	1/2″	-	-	-
ACRFKH20E-4.3-79		10201024802	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH20-4.3-82		10201024502	flare / solder		-	1/2″	-	-
ACRFKH20E-4.3-83		10201024402	flare / solder / solder		-	1/2″	-	1/4″

SANHUA ORIFICE FOR TXV RFKH - FLARE & SOLDER

SBS Code	MPN	Orifice Number
ACRFKH-023-0X	10202001702	0X
ACRFKH-023-00	10202001002	0
ACRFKH-023-01	10202001102	1
ACRFKH-023-02	10202001202	2
ACRFKH-023-03	10202001302	3
ACRFKH-023-04	10202001402	4
ACRFKH-023-05	10202001502	5
ACRFKH-023-06	10202001602	6

SANHUA SOLDER ADAPTORS FOR RFKH EXTERNAL PRESSURE EQUALISATION

SBS Code	MPN	SAE Flare (Ø e)	Solder (Ø d)
ACRFKA-038-03	20201000502	1/4"	6mm
ACRFKA-038-04	20201000602	1/4"	1/4"

LINE COMPONENTS, CONTROLS & ACCESSORIES

Valves

SANHUA THERMOSTATIC EXPANSION VALVE - RANGE N: TEMPERATURE RANGE FROM -40°C TO +10°C [WITH MOP = +15°C] RFKH

SBS Code	Refrigerant	MPN	Connection type	Inlet ØA	Outlet ØB		Ext. ØC	
			In / Out / Ext. Pressure Equal.	Flare	Flare	Solder	Flare	Solder
				[Inch]	[Inch]	[Inch]	[Inch]	[Inch]
ACRFKH 01-6.0-205	R22	10201006702	flare / flare	3/8″	1/2″	-	-	-
ACRFKH01E-6.0-204		10201006602	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH01-6.0-202		10201006402	flare / solder		-	1/2″	-	-
ACRFKH01E-6.0-203		10201006502	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH02-6.3-209	R407C	10201007602	flare / flare	3/8″	1/2″	-	-	-
ACRFKH02E-6.3-208		10201007502	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH02-6.3-212		10201007902	flare / solder		-	1/2″	-	-
ACRFKH02E-6.3-207		10201007402	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH03-4.8-218	R404A/R507A	10201008702	flare / flare	3/8″	1/2″	-	-	-
ACRFKH03E-4.8-217		10201008502	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH03-4.8-215		10201008402	flare / solder		-	1/2″	-	-
ACRFKH03E-4.8-216		10201008602	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH04-2.9-221	R134a	10201009502	flare / flare	3/8″	1/2″	-	-	-
ACRFKH04E-2.9-220		10201009402	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH04-2.9-222		10201009602	flare / solder		-	1/2″	-	-
ACRFKH04E-2.9-224		10201009802	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH05-7.6-230	R410A	10201010402	flare / flare	3/8″	1/2″	-	-	-
ACRFKH05E-7.6-225		10201009902	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH05-7.6-227		10201010102	flare / solder		-	1/2″	-	-
ACRFKH05E-7.6-226		10201010002	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH07-6.0-233	R407A/R407F	10201011302	flare / flare	3/8″	1/2″	-	-	-
ACRFKH07E-6.0-232		10201011202	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH07-6.0-235		10201011502	flare / solder		-	1/2″	-	-
ACRFKH07E-6.0-236		10201011602	flare / solder / solder		-	1/2″	-	1/4″

SANHUA THERMOSTATIC EXPANSION VALVE - RANGE NL: TEMPERATURE RANGE FROM -40°C TO -15°C [WITH MOP = -10°C] RFKH

SBS Code	Refrigerant	MPN	Connection type	Inlet ØA	Outlet ØB		Ext. ØC	
			In / Out / Ext. Pressure Equal.	Flare	Flare	Solder	Flare	Solder
				[Inch]	[Inch]	[Inch]	[Inch]	[Inch]
ACRFKH 01-6.0-305	R22	10201007202	flare / flare	3/8″	1/2″	-	-	-
ACRFKH01E-6.0-304		10201007102	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH01-6.0-302		10201006902	flare / solder		-	1/2″	-	-
ACRFKH01E-6.0-303		10201008002	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH03-4.8-312	R404A/R507A	10201009202	flare / flare	3/8″	1/2″	-	-	-
ACRFKH03E-4.8-311		10201009102	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH03-4.8-309		10201009002	flare / solder		-	1/2″	-	-
ACRFKH03E-4.8-310		10201005802	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH05-7.6-318	R410A	10201011002	flare / flare	3/8″	1/2″	-	-	-
ACRFKH05E-7.6-313		10201010502	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH05-7.6-315		10201010702	flare / solder		-	1/2″	-	-
ACRFKH05E-7.6-314		10201010602	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH08-6.1-315	R448A/R449A	10201019702	flare / flare	3/8″	1/2″	-	-	-
ACRFKH08E-6.1-314		10201019602	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH08-6.1-317		10201012902	flare / solder		-	1/2″	-	-
ACRFKH08E-6.1-318		10201013002	flare / solder / solder		-	1/2″	-	1/4″
ACRFKH11-4.5-320	R452A	10201020002	flare / flare	3/8″	1/2″	-	-	-
ACRFKH11E-4.5-319		10201014202	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH11-4.5-322		10201013102	flare / solder		-	1/2″	-	-
ACRFKH11E-4.5-323		10201013202	flare / solder / solder		-	1/2″	-	1/4″

SANHUA THERMOSTATIC EXPANSION VALVE - RANGE B: TEMPERATURE RANGE FROM -60°C TO -25°C [WITH MOP -20°C] RFKH

SBS Code	Refrigerant	MPN	Connection type	Inlet ØA	Outlet ØB		Ext. ØC	
			In / Out / Ext. Pressure Equal.	Flare	Flare	Solder	Flare	Solder
				[Inch]	[Inch]	[Inch]	[Inch]	[Inch]
ACACRFKH11-4.5-409	R452A	10201014802	flare / flare	3/8″	1/2″	-	-	-
ACRFKH11E-4.5-408		10201014302	flare / flare / flare		1/2″	-	1/4″	-
ACRFKH11-4.5-411		10201015102	flare / solder		-	1/2″	-	-
ACRFKH11E-4.5-412		10201015202	flare / solder / solder		-	1/2″	-	1/4″

LINE COMPONENTS, CONTROLS & ACCESSORIES

Filter Driers

Sanhua's DTG Series Filter Driers are designed for refrigeration systems with unidirectional flow, effectively absorbing moisture and acid while filtering out impurities. These highly efficient driers utilize advanced 3Å and hybrid desiccant options, ensuring superior moisture absorption, impurity filtration, and removal of acid, paint remains, and mud. With a filtration fineness of 20µm, they provide reliable protection for the system. The durable filter cores are corrosion-resistant, passing a 500-hour salt spray test, and feature both solder and flare connection types for versatile installation.

SANHUA DTG-F UNIFLOW FILTER DRIERS - SOLDER
SOLID CORE, 80% 3Å DESICCANT AND 20% ACTIVE ALUMINA

SBS Code	MPN	Connection Size (Inch)	Nominal Volume (Inch^3)
ACDTG-F03020-901	10230016102	1/4"	3"^{3}
ACDTG-F05020-901	10230017702	1/4"	5"^{3}
ACDTG-F08020-901	10230018102	1/4"	8"^{3}
ACDTG-F16020-901	10230019302	1/4"	16"^{3}
ACDTG-F03030-901	10230016302	3/8"	3"^{3}
ACDTG-F05030-901	10230017502	3/8"	5"^{3}
ACDTG-F08030-901	10230018302	3/8"	8"^{3}
ACDTG-F16030-901	10230019502	3/8"	16"^{3}
ACDTG-F30030-901	10230020902	3/8"	30"^{3}
ACDTG-F03040-901	10230016402	1/2"	3"^{3}
ACDTG-F05040-901	10230017402	1/2"	5"^{3}
ACDTG-F08040-901	10230018402	1/2"	8"^{3}
ACDTG-F16040-901	10230019602	1/2"	16"^{3}
ACDTG-F30040-901	10230021002	1/2"	30"^{3}
ACDTG-F41040-901	10230022402	1/2"	41"^{3}
ACDTG-F05050-901	10230017302	5/8"	5"^{3}
ACDTG-F08050-901	10230018502	5/8"	8"^{3}
ACDTG-F16050-901	10230019702	5/8"	16"^{3}
ACDTG-F30050-901	10230021102	5/8"	30"^{3}
ACDTG-F41050-901	10230022502	5/8"	41"3
ACDTG-F16060-901	10230019802	3/4"	16"^{3}
ACDTG-F30060-901	10230021202	3/4"	30"^{3}
ACDTG-F16070-901	10230019902	7/8"	16"^{3}
ACDTG-F41070-901	10230022602	7/8"	41"^{3}
ACDTG-F30090-901	10230021402	1 1/8"	30"^{3}
ACDTG-F41090-901	10230022702	1 1/8"	41"^{3}

SANHUA DTG-B UNIFLOW FILTER DRIERS - SOLDER
SOLID CORE, 100% 3Å DESICCANT

SBS Code	MPN	Connection Size (Inch)	Nominal Volume (Inch^3)
ACDTG-B16020-901	10230012002	1/4"	16"^{3}
ACDTG-B03030-901	10230008502	3/8"	3"^{3}
ACDTG-B05030-901	10230010502	3/8"	5"^{3}
ACDTG-B08030-901	10230009302	3/8"	8"^{3}
ACDTG-B16030-901	10230012202	3/8"	16"^{3}
ACDTG-B30030-901	10230013902	3/8"	30"^{3}
ACDTG-B03040-901	10230008602	1/2"	3"^{3}
ACDTG-B05040-901	10230010602	1/2"	5"^{3}
ACDTG-B08040-901	10230009602	1/2"	8"^{3}
ACDTG-B16040-901	10230012302	1/2"	16"^{3}
ACDTG-B30040-901	10230014002	1/2"	30"^{3}
ACDTG-B05050-901	10230010702	5/8"	5"^{3}
ACDTG-B08050-901	10230009702	5/8"	8"^{3}
ACDTG-B16050-901	10230012402	5/8"	16"^{3}
ACDTG-B30050-901	10230014102	5/8"	30"^{3}
ACDTG-B41050-901	10230013302	5/8"	41"^{3}
ACDTG-B16060-901	10230012502	3/4"	16"^{3}
ACDTG-B30060-901	10230014202	3/4"	30"^{3}
ACDTG-B16070-901	10230012602	7/8"	16"^{3}
ACDTG-B30070-901	10230014302	7/8"	30"^{3}
ACDTG-B41070-901	10230013402	7/8"	41"^{3}
ACDTG-B75070-901	10230014902	7/8"	75"^{3}
ACDTG-B30090-901	10230014402	1 1/8"	30"^{3}
ACDTG-B41090-901	10230013502	1 1/8"	41"^{3}
ACDTG-B75090-901	10230015002	1 1/8"	75"^{3}

SANHUA DTG-F UNIFLOW FILTER DRIERS - FLARE
SOLID CORE, 80% 3Å DESICCANT AND 20% ACTIVE ALUMINA

SBS Code	MPN	Connection Size (Inch)	Nominal Volume (Inch^3)
ACDTG-F03024-901	10230018002	1/4"	3"^{3}
ACDTG-F05024-901	10230016802	1/4"	5"^{3}
ACDTG-F08024-901	10230019002	1/4"	8"^{3}
ACDTG-F16024-901	10230020402	1/4"	16"^{3}
ACDTG-F03034-901	10230017902	3/8"	3"^{3}
ACDTG-F05034-901	10230016702	3/8"	5"^{3}
ACDTG-F08034-901	10230019102	3/8"	8"^{3}
ACDTG-F16034-901	10230020502	3/8"	16"^{3}
ACDTG-F30034-901	10230021902	3/8"	30"^{3}
ACDTG-F03044-901	10230017802	1/2"	3"^{3}
ACDTG-F08044-901	10230019202	1/2"	8"^{3}
ACDTG-F16044-901	10230020602	1/2"	16"^{3}
ACDTG-F30044-901	10230022002	1/2"	30"^{3}
ACDTG-F41044-901	10230031402	1/2"	41"^{3}
ACDTG-F16054-901	10230020702	5/8"	16"^{3}
ACDTG-F30054-901	10230022102	5/8"	30"^{3}
ACDTG-F16064-901	10230020802	3/4"	16"^{3}
ACDTG-F30074-901	10230022302	7/8"	30"^{3}

SANHUA DTG-B UNIFLOW FILTER DRIERS - FLARE
SOLID CORE, 100% 3Å DESICCANT

SBS Code	MPN	Connection Size (Inch)	Nominal Volume (Inch^3)
ACDTG-B03024-901	10230009202	1/4"	3"^{3}
ACDTG-B05024-901	10230009802	1/4"	5"^{3}
ACDTG-B08024-901	10230010002	1/4"	8"^{3}
ACDTG-B16024-901	10230011502	1/4"	16"^{3}
ACDTG-B03034-901	10230009102	3/8"	3"^{3}
ACDTG-B05034-901	10230009902	3/8"	5"^{3}
ACDTG-B08034-901	10230010302	3/8"	8"^{3}
ACDTG-B16034-901	10230011702	3/8"	16"^{3}
ACDTG-B30034-901	10230015402	3/8"	30"^{3}
ACDTG-B03044-901	10230009002	1/2"	3"^{3}
ACDTG-B08044-901	10230010102	1/2"	8"^{3}
ACDTG-B16044-901	10230011902	1/2"	16"^{3}
ACDTG-B30044-901	10230015402	1/2"	30"^{3}
ACDTG-B41044-901	10230015302	1/2"	41"^{3}
ACDTG-B16054-901	10230011802	5/8"	16"^{3}
ACDTG-B30054-901	10230015702	5/8"	30"^{3}
ACDTG-B41054-901	10230015202	5/8"	41"^{3}
ACDTG-B16064-901	10230013102	3/4"	16"^{3}
ACDTG-B30064-901	10230015802	3/4"	30"^{3}
ACDTG-B30074-901	10230015602	7/8"	30"^{3}

Filter Driers

SANHUA STG-B BI-FLOW FILTER DRIERS - FLARE
SOLID CORE, 100% 3Å DESICCANT

SBS Code	MPN	Connection Size (Inch)	Nominal Volume (Inch^3)
ACSTG-B05024-901	10235009002	1/4"	5"^{3}
ACSTG-B08024-901	10235008702	1/4"	8"^{3}
ACSTG-B05034-901	10235009102	3/8"	5"^{3}
ACSTG-B08034-901	10235008802	3/8"	8"^{3}
ACSTG-B16034-901	10235009302	3/8"	16"^{3}
ACSTG-B30034-901	10235009502	3/8"	30"^{3}
ACSTG-B05044-901	10235009202	1/2"	5"^{3}
ACSTG-B08044-901	10235008902	1/2"	8"^{3}
ACSTG-B16044-901	10235009402	1/2"	16"^{3}
ACSTG-B30044-901	10235009602	1/2"	30"^{3}
ACSTG-B16054-901	10235008602	5/8"	16"^{3}
ACSTG-B30054-901	10235009702	5/8"	30"^{3}
ACSTG-B30064-901	10235009802	3/4"	30"^{3}

SANHUA STG-F BI-FLOW FILTER DRIERS - FLARE
SOLID CORE, 80% 3Å DESICCANT AND 20% ACTIVE ALUMINA

SBS Code	MPN	Connection Size (Inch)	Nominal Volume (Inch^3)
ACSTG-F05024-901	10235010902	1/4"	5"^{3}
ACSTG-F08024-901	10235011902	1/4"	8"^{3}
ACSTG-F05034-901	10235011002	3/8"	5"^{3}
ACSTG-F08034-901	10235012002	3/8"	8"^{3}
ACSTG-F16034-901	10235014902	3/8"	16"^{3}
ACSTG-F30034-901	10235013802	3/8"	30"^{3}
ACSTG-F05044-901	10235011102	1/2"	5"^{3}
ACSTG-F08044-901	10235012102	1/2"	8"^{3}
ACSTG-F16044-901	10235015002	1/2"	16"^{3}
ACSTG-F30044-901	10235013502	1/2"	30"^{3}
ACSTG-F16054-901	10235015102	5/8"	16"^{3}
ACSTG-F30054-901	10235013602	5/8"	30"^{3}
ACSTG-F30064-901	10235013702	3/4"	30"^{3}

SANHUA STG-F BI-FLOW FILTER DRIERS - SOLDER
SOLID CORE, 80% 3Å DESICCANT AND 20% ACTIVE ALUMINA

SBS Code	MPN	Connection Size (Inch)	Nominal Volume (Inch^3)
ACSTG-F05020-901	10235010302	1/4"	5"^{3}
ACSTG-F08020-901	10235011202	1/4"	8"^{3}
ACSTG-F05030-901	10235010402	3/8"	5"^{3}
ACSTG-F08030-901	10235011402	3/8"	8"^{3}
ACSTG-F16030-901	10235012202	3/8"	16"^{3}
ACSTG-F30030-901	10235013902	3/8"	30"^{3}
ACSTG-F05040-901	10235010502	1/2"	5"^{3}
ACSTG-F08040-901	10235011502	1/2"	8"^{3}
ACSTG-F16040-901	10235012302	1/2"	16"^{3}
ACSTG-F30040-901	10235014002	1/2"	30"^{3}
ACSTG-F16050-901	10235012402	5/8"	16"^{3}
ACSTG-F30050-901	10235014102	5/8"	30"^{3}
ACSTG-F30060-901	10235014202	3/4"	30"^{3}
ACSTG-F16070-901	10235012902	7/8"	16"^{3}
ACSTG-F30070-901	10235012502	7/8"	30"^{3}
ACSTG-F30090-901	10235013002	1 1/8"	30"^{3}

SANHUA STG-B BI-FLOW FILTER DRIERS - SOLDER
SOLID CORE, 100% 3Å DESICCANT

SBS Code	MPN	Connection Size (Inch)	Nominal Volume (Inch^3)
ACSTG-B05020-901	10235005902	1/4"	5"^{3}
ACSTG-B08020-901	10235006202	1/4"	8"^{3}
ACSTG-B05030-901	10235006002	3/8"	5"^{3}
ACSTG-B08030-901	10235006302	3/8"	8"^{3}
ACSTG-B16030-901	10235006602	3/8"	16"^{3}
ACSTG-B30030-901	10235006902	3/8"	30"^{3}
ACSTG-B05040-901	10235006102	1/2"	5"^{3}
ACSTG-B08040-901	10235006402	1/2"	8"^{3}
ACSTG-B16040-901	10235006502	1/2"	16"^{3}
ACSTG-B30040-901	10235007002	1/2"	30"^{3}
ACSTG-B16050-901	10235006702	5/8"	16"^{3}
ACSTG-B30050-901	10235007102	5/8"	30"^{3}
ACSTG-B30060-901	10235007202	3/4"	30"^{3}
ACSTG-B16070-901	10235006802	7/8"	16"^{3}
ACSTG-B30070-901	10235007302	7/8"	30"^{3}
ACSTG-B30090-901	10235007502	1 1/8"	30"^{3}

SANHUA HTG FILTER DRIERS WITH REPLACEABLE CORE

SBS Code	MPN	Series	Connection Size (Inch)	No of Cores
ACHTG-A48050-901	10225004502	A48s	5/8"	1
ACHTG-A48070-901	10225004402	A48s	7/8"	1
ACHTG-A48090-901	10225004302	A48s	1 1/8"	1
ACHTG-A48110-901	10225004102	A48s	1 3/8"	1
ACHTG-A48130-901	10225004002	A48s	1 5/8"	1
ACHTG-A48170-901	10225003902	A48s	2 1/8"	1
ACHTG-A48210-901	10225003702	A48s	2 5/8"	1
ACHTG-A96050-901	10225003602	A96s	5/8"	2
ACHTG-A96070-901	10225003502	A96s	7/8"	2
ACHTG-A96090-901	10225003302	A96s	1 1/8"	2
ACHTG-A96110-901	10225003202	A96s	1 3/8"	2
ACHTG-A96130-901	10225003102	A96s	1 5/8"	2
ACHTG-A96170-901	10225002902	A96s	2 1/8"	2
ACHTG-A96210-901	10225002802	A96s	2 5/8"	2
ACHTG-B44090-901	10225002502	B44s	1 1/8"	3
ACHTG-B44110-901	10225002302	B44s	1 3/8"	3
ACHTG-B44130-901	10225002202	B44s	1 5/8"	3
ACHTG-B44170-901	10225001902	B44s	2 1/8"	3
ACHTG-B44210-901	10225001802	B44s	2 5/8"	3
ACHTG-B92050-901	10225001702	B92s	5/8"	4
ACHTG-B92070-901	10225001602	B92s	7/8"	4
ACHTG-B92110-901	10225001402	B92s	1 3/8"	4
ACHTG-B92130-901	10225002002	B92s	1 5/8"	4
ACHTG-B92170-901	10225001202	B92s	2 1/8"	4
ACHTG-B92210-901	10225001102	B92s	2 5/8"	4

SANHUA DSG UNIFLOW FILTER DRIER WITH SIGHT GLASS - FLARE

SBS Code	MPN	Connection Size (Inch)	Nominal Volume (Inch^3)
ACDSG-B05024-002	10221000102	1/4"	5"^{3}
ACDSG-B08024-002	10221000202	1/4"	8"^{3}
ACDSG-B08034-002	10221000302	3/8"	8"^{3}
ACDSG-B16034-002	10221000402	3/8"	16"^{3}
ACDSG-B16044-002	10221000502	1/2"	16"^{3}

SANHUA FILTER DRIER REPLACEABLE HTG CORE

SBS Code	MPN	Core Model
ACHTG-A80-010001	20225000902	A80
ACHTG-A30-010001	20225000102	A30
ACHTG-A00-010001	20225001102	A00

LINE COMPONENTS, CONTROLS & ACCESSORIES

Sight Glasses

The Sanhua Sight Glass series SYJ is designed for use in refrigerating systems to monitor refrigerant properties and moisture levels. Featuring a high-precision colour indicator and an innovative annular humidity colour indicator, it offers clear visibility with a wide-angle, high-quality sight glass. The indicator is securely attached to prevent contamination, and the solid brass construction ensures corrosion resistance. Additionally, the low creep PTFE sealing guarantees leakage-free performance, while the full-port passage ensures minimal pressure drop, making it a reliable and efficient solution for system monitoring.

SANHUA SYJ SIGHT GLASS - MALE X MALE FLARE

SBS Code	MPN	Connection Size (Inch)
ACSYJ06L11	10285007902	1/4"
ACSYJ10L11	10285008102	3/8"
ACSYJ12L11	10285008302	1/2"
ACSYJ16L11	10285008502	5/8"
ACSYJ19L11	10285008702	3/4"

SANHUA SYJ SIGHT GLASS - MALE X FEMALE FLARE

SBS Code	MPN	Connection Size (Inch)
ACSYJ06L41	10285008002	1/4"
ACSYJ10L41	10285008202	3/8"
ACSYJ12L41	10285008402	1/2"
ACSYJ16L41	10285008602	5/8"
ACSYJ19L41	10285008802	3/4"

SANHUA SYJ SIGHT GLASS - SOLDER

SBS Code	MPN	Connection Size (Inch)
ACSYJ06H11	10285007002	1/4"
ACSYJ10H11	10285007202	3/8"
ACSYJ12H11	10285006902	1/2"
ACSYJ16H11	10285007502	5/8"
ACSYJ19H11	10285007602	3/4"
ACSYJ22H11	10285007702	7/8"

DIVERSITECH VIBRATION ABSORBER

SBS Code	Size (Inch)
ACVIBA14	1/4"
ACVIBA38	3/8"
ACVIBA12	1/2"
ACVIBA58	5/8"
ACVIBA34	3/4"
ACVIBA78	7/8"
ACVIBA118	1 1/8"
ACVIBA138	1 3/8"
ACVIBA158	1 5/8"
ACVIBA218	2 1/8"
ACVIBA258	2 5/8"
ACVIBA318	3 1/8"
ACVIBA358	3 5/8"
ACVIBA418	4 1/8"

AX3 STAINLESS STEEL PLAIN FLEXIBLE BELLOW COPPER END

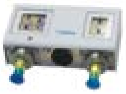
SBS Code	Size (mm)
FBCU015	15
FBCU022	22
FBCU028	28
FBCU035	35
FBCU042	42
FBCU054	54

LINE COMPONENTS, CONTROLS & ACCESSORIES

Pressure Switches

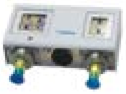
The Sanhua Pressure Controls series PS01/50/15 is PED IV/EN12263 Directive certified, offering high accuracy and stable repeatability for reliable performance. Designed for long lifespan, it ensures both excellent electrical and mechanical reliability. Featuring an SPDT switch for fast reaction and reliable contact conversion, it is available in various pressure ranges to suit different applications. The pressure control is supplied with a standard plate for easy installation, and its bellows are made from tin bronze, while the pressure connections are constructed from durable brass, ensuring robustness and longevity.

SANHUA PS01/50/15 PRESSURE CONTROLS - FLARE CONNECTION (1/4" & 6MM)



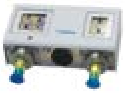
SBS Code	MPN	Type	Pressure	Reset	
				Low Pressure	High Pressure
ACPS01AL-S01	10660003102	PS01	Low	Auto	n/a
ACPS50AL-S51	10660002702	PS50	High	n/a	Auto
ACPS50ML-S51	10660003302	PS50	High	n/a	Manual
ACPS50AL-S01	10660003002	PS50	High	n/a	Auto
ACPS50ML-S01	10660003402	PS50	High	n/a	Manual
ACPS15AAL-S51	10660002802	PS15	Dual	Auto	Auto
ACPS15AML-S51	10660003502	PS15	Dual	Auto	Manual
ACPS15AML-S01	10660003602	PS15	Dual	Auto	Manual

SANHUA PS01/50/15 PRESSURE CONTROLS - SOLDER ODF 1/4"



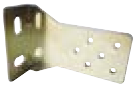
SBS Code	MPN	Type	Pressure	Reset	
				Low Pressure	High Pressure
ACPS01AH-S01	10660003702	PS01	Low	Auto	n/a
ACPS01MH-S01	10660003802	PS01	Low	Manual	n/a
ACPS50AH-S51	10660003902	PS50	High	n/a	Auto
ACPS50MH-S51	10660004002	PS50	High	n/a	Manual
ACPS50AH-S01	10660004102	PS50	High	n/a	Auto
ACPS50MH-S01	10660004602	PS50	High	n/a	Manual
ACPS15AAH-S51	10660004502	PS15	Dual	Auto	Auto
ACPS15AMH-S51	10660004402	PS15	Dual	Auto	Manual
ACPS15AAH-S01	10660004302	PS15	Dual	Auto	Auto
ACPS15AMH-S01	10660004202	PS15	Dual	Auto	Manual

SANHUA PS01/50/15 PRESSURE CONTROLS - SOLDER ODF 6MM



SBS Code	MPN	Type	Pressure	Reset	
				Low Pressure	High Pressure
ACPS50AH-S52	10660005102	PS50	High	n/a	Auto
ACPS50MH-S52	10660005002	PS50	High	n/a	Manual
ACPS50AH-S02	10660004902	PS50	High	n/a	Auto
ACPS50MH-S02	10660004802	PS50	High	n/a	Manual
ACPS15AAH-S52	10660006702	PS15	Dual	Auto	Auto
ACPS15AMH-S52	10660004702	PS15	Dual	Auto	Manual
ACPS15AAH-S02	10660005402	PS15	Dual	Auto	Auto
ACPS15AMH-S02	10660005602	PS15	Dual	Auto	Manual

SANHUA PS01/50/15 PRESSURE SWITCH MOUNTING BRACKET



SBS Code	MPN	Type
ACPS50-50001	4520660018502	PS50-50001

LINE COMPONENTS, CONTROLS & ACCESSORIES

Fan Motors

Fan Motors are essential components in air conditioning systems that convert electrical energy into mechanical energy to rotate fan blades and provide efficient ventilation. These motors play a crucial role in preventing overheating and maintaining optimal cooling performance in HVAC systems.

DIVERSITECH MULTI-FIT FAN MOTORS (SLEEVE BEARING)

SBS Code	MPN	Watts	Voltage
ACFM5W	FM-5W	5	240
ACFM7W	FM-7W	7	240
ACFM10W	FM-10W	10	240
ACFM16W	FM-16W	16	240
ACFM18W	FM-18W	18	240
ACFM25W	FM-25W	25	240
ACFM34W	FM-34W	34	240

POLESTAR MULTI-FIT FAN MOTORS (240 VOLTAGE)

SBS Code	MPN	Watts	Bearing Type
ACFM5BB	PS05BM-1	5	Ball
ACFM5SB	PSM5W	5	Sleeve
ACFM7BB	PS07BM-1	7	Ball
ACFM7SB	PSM7W	7	Sleeve
ACFM10BB	PS10BM-1	10	Ball
ACFM10SB	PSM10W	10	Sleeve
ACFM16BB	PS16BM-1	16	Ball
ACFM16SB	PSM16W	16	Sleeve
ACFM18BB	PS18BM-1	18	Ball
ACFM18SB	PSM18W	18	Sleeve
ACFM25BB	PS25BM-1	25	Ball
ACFM25SB	PSM25W	25	Sleeve
ACFM34BB	PS34BM-1	34	Ball
ACFM34SB	PSM34W	34	Sleeve

POLESTAR COMPACT AXIAL FANS (230 VOLTAGE)

SBS Code	MPN	Watts	H x W x D (mm)	Connection Type
ACFMA80X25L	PS0825BL-1	13	80 x 80 x 25	Leads (300mm)
ACFMA80X25T	PS0825BT-1	13	80 x 80 x 25	Terminals
ACFMA80X38L	PS0838BL-1	14	80 x 80 x 38	Leads (300mm)
ACFMA80X38T	PS0838BT-1	14	80 x 80 x 38	Terminals
ACFMA120X25L	PS1225BL-1	18	120 x 120 x 25	Leads (300mm)
ACFMA120X25T	PS1225BT-1	18	120 x 120 x 25	Terminals
ACFMA120X38L	PS1238BL-1	21	120 x 120 x 38	Leads (300mm)
ACFMA120X38T	PS1238BT-1	21	120 x 120 x 38	Terminals

ASPEN FAN SPEED CONTROLLER - COOLING

SBS Code	H x W x D (mm)
ACFP2094	44 x 150 x 75

FLEXDRAIN CSC2 THERMOCABLE (240V)

SBS Code	MPN	Watts	Length (M)
ACCSC21402	CSC2/1/40-2	40	1
ACCSC22802	CSC2/2/80-2	80	2
ACCSC231202	CSC2/3/120-2	120	3
ACCSC241602	CSC2/4/160-2	160	4
ACCSC252002	CSC2/5/200-2	200	5
ACCSC262402	CSC2/6/240-2	240	6

FLEXTRACE FSO SELF-REGULATING CABLE (240V)

SBS Code	MPN	Watts	Length (M)
ACFSO202	FSO/20-2	10	25
ACFSO302	FSO/30-2	30	25

FLEXKIT TERMINATION KIT

SBS Code	Suitable for
ACFSKIT	FST/FSG

POLESTAR GUARD MOUNTED AXIAL FANS

SBS Code	MPN	Phase	Airflow Direction	Blade Diameter (mm)
ACGMA1-175B-1	GMA1-175B-1	1	Blowing	175
ACGMA1-200B-1	GMA1-200B-1	1	Blowing	200
ACGMA3-200B-1	GMA3-200B-1	3	Blowing	200
ACGMA3-200S-1	GMA3-200S-1	3	Sucking	200
ACGMA1-250B-1	GMA1-250B-1	1	Blowing	250
ACGMA1-250S-1	GMA1-250S-1	1	Sucking	250
ACGMA3-250B-1	GMA3-250B-1	3	Blowing	250
ACGMA3-250S-1	GMA3-250S-1	3	Sucking	250
ACGMA1-300B-1	GMA1-300B-1	1	Blowing	300
ACGMA1-300S-1	GMA1-300S-1	1	Sucking	300
ACGMA3-300B-1	GMA3-300B-1	3	Blowing	300
ACGMA3-300S-1	GMA3-300S-1	3	Sucking	300
ACGMA1-315B-1	GMA1-315B-1	1	Blowing	315
ACGMA1-315S-1	GMA1-315S-1	1	Sucking	315
ACGMA1-330B-1	GMA1-330B-1	1	Blowing	330
ACGMA1-330S-2	GMA1-330S-2	1	Sucking	330
ACGMA3-330S-1	GMA3-330S-1	3	Sucking	330
ACGMA3-330B-1	GMA3-330B-1	3	Blowing	330
ACGMA1-350B-1	GMA1-350B-1	1	Blowing	350
ACGMA1-350S-1	GMA1-350S-1	1	Sucking	350
ACGMA3-350B-1	GMA3-350B-1	3	Blowing	350
ACGMA3-350S-1	GMA3-350S-1	3	Sucking	350
ACGMA3-380BH4-1	GMA3-380BH4-1	3	Blowing	380
ACGMA1-400B-1	GMA1-400B-1	1	Blowing	400
ACGMA1-400S-1	GMA1-400S-1	1	Sucking	400
ACGMA3-400B-1	GMA3-400B-1	3	Blowing	400
ACGMA3-400S-1	GMA3-400S-1	3	Sucking	400
ACGMA1-420B-1	GMA1-420B-1	1	Blowing	420
ACGMA3-420B-1	GMA3-420B-1	3	Blowing	420
ACGMA3-420S-1	GMA3-420S-1	3	Sucking	420
ACGMA1-450B-1	GMA1-450B-1	1	Blowing	450
ACGMA1-450S-1	GMA1-450S-1	1	Sucking	450
ACGMA3-450B-1	GMA3-450B-1	3	Blowing	450
ACGMA3-450S-1	GMA3-450S-1	3	Sucking	450
ACGMA1-500B-1	GMA1-500B-1	1	Blowing	500
ACGMA1-500S-1	GMA1-500S-1	1	Sucking	500
ACGMA3-500B-1	GMA3-500B-1	3	Blowing	500
ACGMA3-500S-1	GMA3-500S-1	3	Sucking	500
ACGMA1-550B-1	GMA1-550B-1	1	Blowing	550
ACGMA1-550S-1	GMA1-550S-1	1	Sucking	550
ACGMA3-550B-1	GMA3-550B-1	3	Blowing	550
ACGMA3-550S-1	GMA3-550S-1	3	Sucking	550
ACGMA1-600BH4-1	GMA1-600BH4-1	1	Blowing	600
ACGMA1-600S-1	GMA1-600S-1	1	Sucking	600
ACGMA3-600BH4-1	GMA3-600BH4-1	3	Blowing	600
ACGMA3-600S-1	GMA3-600S-1	3	Sucking	600
ACGMA1-630B-1	GMA1-630B-1	1	Blowing	630
ACGMA1-630S-1	GMA1-630S-1	1	Sucking	630
ACGMA3-630S-1	GMA3-630S-1	3	Sucking	630
ACGMA3-710S6	GMA3-710S6	1	Sucking	710
ACGMA3-710B6	GMA3-710B6	3	Blowing	710
ACGMA3-800S6	GMA3-800S6	1	Sucking	800
ACGMA3-800B6	GMA3-800B6	3	Blowing	800
ACGMA3-900S6	GMA3-900S6	1	Sucking	900
ACGMA3-900B6	GMA3-900B6	3	Blowing	900

LINE COMPONENTS, CONTROLS & ACCESSORIES

Electrical Cable

What cable do I need and how do I choose?

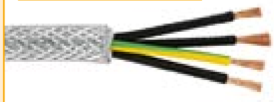
CY CABLE

Used in environments where interference-free transmission is needed. CY Cables are multi-core, tinned copper wire braided cable with a PET (polyethylene terephthalate) separator which will protect it from electromagnetic interference.

YY CABLE

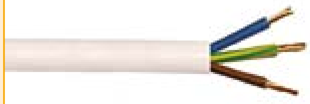
This cable works well with light mechanical stress and is suited to most environments. It is a very versatile cable and can be used outside when protected and also works well in dry and moist conditions.

SY CABLE



The galvanised steel wire braid makes this cable ultra-strong and is stronger than CY and YY cable. It also offers reliable mechanical protection.

318-Y PVC CABLE



PVC flex cable is used as an electrical supply to many household appliances such as refrigerators, washing machines and spin dryers. Plain annealed flexible copper conductors, PVC insulated, PVC outer sheath. Not advised for outdoor use.

NYY-J CABLE

This cable is ideal for fixed energy supply where mechanical protection is less critical. Suitable for indoor/outdoor use, in free air, ducts, or direct burial (subject to local regulations), it offers a cost-effective solution for power and control applications with weight and termination time savings due to the absence of mechanical armor.

H07RN-F

The mechanical and chemical characteristics of the rubber compound provides good abrasion resistance and the ability to withstand many oils and chemicals. The construction and performance enables the product to be used in arduous and low temperature conditions.

CY SCREENED CABLE

SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACCY2C07550M	2	0.75	Grey	50
ACCY2C075BLK50M	2	0.75	Black	50
ACCY2C075	2	0.75	Grey	100
ACCY2C075BLK	2	0.75	Black	100
ACCY2C10050M	2	1	Grey	50
ACCY2C100BLK50M	2	1	Black	50
ACCY2C100	2	1	Grey	100
ACCY2C100BLK	2	1	Black	100
ACCY2C15050M	2	1.5	Grey	50
ACCY2C150B50M	2	1.5	Black	50
ACCY2C150BUVR50M	2	1.5	Black UV resistant	50
ACCY2C150	2	1.5	Grey	100
ACCY2C150B	2	1.5	Black	100
ACCY2C150BUVR	2	1.5	Black UV resistant	100
ACCY2C250	2	2.5	Grey	100
ACCY3C07550M	3	0.75	Grey	50
ACCY3C075	3	0.75	Grey	100
ACCY3C10050M	3	1	Grey	50
ACCY3C100	3	1	Grey	100
ACCY3C15050M	3	1.5	Grey	50
ACCY3C150	3	1.5	Grey	100
ACCY3C25050M	3	2.5	Grey	50
ACCY3C250	3	2.5	Grey	100
ACCY4C15050M	4	1.5	Grey	50
ACCY4C150	4	1.5	Grey	100
ACCY5C15050M	5	1.5	Grey	50
ACCY5C150	5	1.5	Grey	100

CY SCREENED LSOH CABLE

SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACCY2C075LSZH50M	2	0.75	Grey	50
ACCY2C075LSZH	2	0.75	Grey	100
ACCY2C100LSZH50M	2	1	Grey	50
ACCY2C100LSZH	2	1	Grey	100
ACCY2C150LSZH50M	2	1.5	Grey	50
ACCY2C150LSSC	2	1.5	Grey	100
ACCY2C150LSZH	2	1.5	Grey	100
ACCY2C250LSZH50M	2	2.5	Grey	50
ACCY2C250LSZH	2	2.5	Grey	100
ACCY3C075LSZH50M	3	0.75	Grey	50
ACCY3C075LSZH	3	0.75	Grey	100
ACCY4C150LSZH50M	4	1.5	Grey	50
ACCY4C150LSZH	4	1.5	Grey	100

YY SCREENED CABLE

SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACYY2C07550M	2	0.75	Grey	50
ACYY2C075	2	0.75	Grey	100
ACYY2C15050M	2	1.5	Grey	50
ACYY2C150	2	1.5	Grey	100

YY SCREENED LSOH CABLE

SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACYY2C075LSZH50M	2	0.75	Grey	50
ACYY2C075LSZH	2	0.75	Grey	100
ACYY2C150LSZH50M	2	1.5	Grey	50
ACYY2C150LSZH	2	1.5	Grey	100

LINE COMPONENTS, CONTROLS & ACCESSORIES

Electrical Cable & Accessories

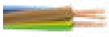
SY BRAIDED CABLE

SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACSY2C15050M	2	1.5	Clear	50
ACSY2C150	2	1.5	Clear	100
ACSY3C15050M	3	1.5	Clear	50
ACSY3C150	3	1.5	Clear	100
ACSY3C25050M	3	2.5	Clear	50
ACSY3C250	3	2.5	Clear	100
ACSY4C15025M	4	1.5	Clear	25
ACSY4C15050M	4	1.5	Clear	50
ACSY4C150BLK50M	4	1.5	Black	50
ACSY4C150	4	1.5	Clear	100
ACSY4C150BLK	4	1.5	Black	100
ACSY4C25050M	4	2.5	Clear	50
ACSY4C250	4	2.5	Clear	100
ACSY5C15050M	5	1.5	Clear	50
ACSY5C150	5	1.5	Clear	100
ACSY5C250	5	2.5	Clear	100

SY BRAIDED LSOH CABLE

SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACSY4C150LSZH50M	4	1.5	Black	50
ACSY4C150LSZH	4	1.5	Black	100
ACSY4C150-LSOH-UVRES	4	1.5	Black UV resistant	100

NYY-J CABLE

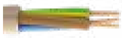


SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACNYY3C15050M	3	1.5	Black	50
ACNYY3C150	3	1.5	Black	100
ACNYY3C25050M	3	2.5	Black	50
ACNYY3C250	3	2.5	Black	100
ACNYY3C40050M	3	4	Black	50
ACNYY3C400	3	4	Black	100
ACNYYJ4C15015M	4	1.5	Black	15
ACNYYJ4C15050M	4	1.5	Black	50
ACNYY4C150	4	1.5	Black	100
ACNYY4C25050M	4	2.5	Black	50
ACNYY4C250	4	2.5	Black	100
ACNYYJ5C15050M	5	1.5	Black	50
ACNYYJ5C150	5	1.5	Black	100

H07RN-F CABLE

SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACH073C25050	3	2.5	Black	50
ACH073C250	3	2.5	Black	100
ACH074C15050M	4	1.5	Black	50
ACH074C150	4	1.5	Black	100
ACH075C15050M	5	1.5	Black	50

FP200 GOLD FIRE RESISTANT CABLE



SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACFP200	3	1.5	White	100

318-Y PVC FLEX CABLE

SBS Code	Core	Size (mm)	Colour	Coil Length (M)
ACPVC2C07550M	2	0.75	White	50
ACPVC2C075B50M	2	0.75	Black	50
ACPVC2C075	2	0.75	White	100
ACPVC2C075B	2	0.75	Black	100
ACPVC2C10050M	2	1	White	50
ACPVC2C100B50M	2	1	Black	50
ACPVC2C100	2	1	White	100
ACPVC2C100B	2	1	Black	100
ACPVC2C15050M	2	1.5	White	50
ACPVC2C150B50M	2	1.5	Black	50
ACPVC2C150	2	1.5	White	100
ACPVC2C150B	2	1.5	Black	100
ACPVC3C07550M	3	0.75	White	50
ACPVC3C075	3	0.75	White	100
ACPVC3C10050M	3	1	White	50
ACPVC3C100B50M	3	1	Black	50
ACPVC3C100	3	1	White	100
ACPVC3C100B	3	1	Black	100
ACPVC3C15050M	3	1.5	White	50
ACPVC3C150B50M	3	1.5	Black	50
ACPVC3C150	3	1.5	White	100
ACPVC3C150B	3	1.5	Black	100
ACPVC3C25050M	3	2.5	White	50
ACPVC3C250B50M	3	2.5	Black	50
ACPVC3C250	3	2.5	White	100
ACPVC3C250B	3	2.5	Black	100
ACPVC4C075B	4	0.75	Black	100
ACPVC4C15050M	4	1.5	White	50
ACPVC4C150B50M	4	1.5	Black	50
ACPVC4C150	4	1.5	White	100
ACPVC4C150B	4	1.5	Black	100

Electrical Accessories

BUTT SPLICE TERMINALS - BAG OF 100

SBS Code	Colour
AC15BSL	Red
AC25BSL	Blue
AC6BSL	Yellow

RING TERMINALS - BAG OF 100

SBS Code	Size (mm)	Colour
AC43RER	4.3	Red
AC43BER	4.3	Blue
AC53RER	5.3	Red
AC53BER	5.3	Blue
AC53YER	5.3	Yellow
AC65YER	6.5	Yellow
AC85YER	8.5	Yellow

FORK TERMINALS - BAG OF 100

SBS Code	Size (mm)	Colour
AC43RF	4.3	Red
AC43BF	4.3	Blue
AC53BF	5.3	Blue

MALE PUSH-ON TERMINAL - BAG OF 100

SBS Code	Size (mm)	Colour
AC63RMP	6.3 x 0.8	Red
AC63BMP	6.3 x 0.8	Blue

FEMALE PUSH-ON TERMINAL - BAG OF 100

SBS Code	Size (mm)	Colour
AC63RFP	6.3 x 0.8	Red
AC63BFP	6.3 x 0.8	Blue

FEMALE PUSH-ON TERMINAL (FULLY INSULATED) - BAG OF 100

SBS Code	Size (mm)	Colour
AC48BFPT	4.8 x 0.5	Blue
AC63RFPT	6.3 x 0.8	Red

PIGGY BACK TERMINAL - BAG OF 100

SBS Code	Size (mm)	Colour
AC63RPIG	6.3 x 0.8	Red
AC63BPIG	6.3 x 0.8	Blue

LINE COMPONENTS, CONTROLS & ACCESSORIES

Electrical Accessories

TOOLS & KITS

SBS Code	Description
ACPK156	Kit box - Ratchet Tool & Pre-Insulated Terminals
ACRPI	Ratchet Tool Only
ACSAB-PRE	Selekt-a-Box selection of pre-insulated red, blue and yellow rings, push-on terminals and butt splices

SMARTFIT CABLE GLANDS

SBS Code	Size (mm)	Colour	Pack Quantity
ACCG/SF-20SB	20	Black	10
ACCG/SF-20SW	20	White	10
ACCG/SF-25B	25	Black	10
ACCG/SF-25W	25	White	10

DIVERSITECH STUFFING GLANDS

SBS Code	Size (mm)	Colour	Pack Quantity
STUFFGLANDBLK	20	Black	10
STUFFGLANDWHITE	20	White	10

FUSE

SBS Code	Description	Amp	Pack Quantity
ACFP2620	Aspen Pump Fuse	1	2
ACF3FUSE	Fuse for Plug Top	3	10
ACF5FUSE	Fuse for Plug Top	5	10
ACF13FUSE	Fuse for Plug Top	13	10
ACPLUGTOP	Fused Plug Top	13	1

FUSE SPURS & BOXES

SBS Code	Description	Size	Amp
ACLG828	Deep Single Gang White Back Box to suit Switched Fused Spur	25mm	n/a
ACLG828-32	Deep Single Gang White Back Box to suit Switched Fused Spur	32mm	n/a
AC3PFS	3 Pole Fan Switch	n/a	n/a
AC13ASFS	Switch Fused Spur	n/a	13
AC13ASFSMBB	Switched Fused Spur c/w Metal Back Box	n/a	13
AC13AUFSMBB	Un-switched Fused Spur c/w Metal Back Box	n/a	13

12-WAY STRIP CONNECTORS

SBS Code	Amp	Size
AC12WSC5-T85	5	1.0 - 6.00mm^2
AC12WSC15-T85	15	2.5 - 10.0mm^2
AC12WSC30-T85	30	4.0 - 16.0mm^2

ROTARY ISOLATOR SWITCHES

SBS Code	Poles	Amp
AC20A3PRIS	3	20
ACAX6001/2	4	20
AC20A4PRIS	4	20
AC20A4PRISLRG	4	20
ACAX6002/2	4	32
AC32A3PRIS	3	32
AC32A4PRIS	4	32
AC32A4PRISLRG	4	32
AC40A3PRIS	3	40
AC40A4PRIS	4	40
AC63A3PRIS	3	63
AC63A4PRIS	4	63

BATTERIES

SBS Code	Description	Battery Type	Pack Quantity
DD16201	AAA Battery	AAA	4
ACID2400	AAA Duracell Industrial Battery	AAA	10
DURAAA	Duracell Procell Battery AAA	AAA	10
DD16202	AA Battery	AA	4
ACID1500	AA Duracell Industrial Battery	AA	10
DURAA	Duracell Procell Battery AA	AA	10
ACID1300	C Cell Duracell Industrial Battery	C	10
ACID1400	D Cell Duracell Industrial Battery	D	10
DD16203	D Battery	D	2
LR44B2	Duracell Speciality LR44 Alkaline Button Battery 1.5V	LR44	2
123ULTRA	Duracell Speciality High Power Lithium 123 Battery 3V	CR123A	2
ACID1604	9 Volt Duracell Industrial Battery	9V	10
DUR9V	Duracell Procell Battery 9V	9V	5
9VK1	Duracell Plus Power 9V Battery	9V	1
DD16204	PP3 Battery	9V	1
DL2025B2	Duracell Speciality Lithium Coin 2025 Battery 3V	2025	2
DL2032B2	Duracell Speciality Lithium Coin 2032 Battery 3V	2032	2

BLACK CABLE TIES

SBS Code	Length (mm)	Thickness (mm)	Pack Quantity
CTB195	195	4.8	100
CTB300	300	4.8	100
CTB370	380	4.8	100
CTB380-7.2	300	7.2	100
CTB380-7.2	380	7.2	100

WHITE CABLE TIES

SBS Code	Length (mm)
CTW195	195
CTW215	215
CTW285	285
CTW358	358
CTW370	370

CABLE TIE ACCESSORIES

SBS Code	Description	Pack Quantity
ACCTM1	Mount Screw Fixing	100
ACCTM2	Fixing Bolt Back	100
ACCTMA2828	Mount Self Sticking	100

JUNCTION BOXES

SBS Code	Description
JUNCTIONBOX20	20amp Junction Box
JUNCTIONBOX32	32amp Junction Box
ACJB	IP55 4 Way Junction Box (65 x 65 x 45mm)
ACJB80	IP55 PVC Adaptable Box Grey (80 x 80 x 40mm)
ACGW44204	IP56 Junction Box Smooth Walls IP56 (100 x 100 x 50 mm)

Benefits of Maintenance

BENEFITS

PREVENTATIVE MAINTENANCE

IMPROVED ENERGY EFFICIENCY

INCREASED SYSTEM RELIABILITY

ENHANCED AIR QUALITY

PROLONGED UNIT LIFESPAN

Clear. Clean. Protect

Over time, air conditioning units work harder due to organic matter buildup, which can cause systems to become blocked. This directly affects system performance, potentially causing bad odours and making systems more expensive to run, possibly resulting in unit failure. This is why regular planned maintenance is so important.

If regularly undertaken, it is recommended that the cleaning process be done in 3 stages during maintenance. Thus, you can ensure that your customers' air conditioning systems maintain optimum performance and efficiency and the desired longevity.

1

STEP 1: CLEAR blockages from the condensate tray and drain.

2

STEP 2: CLEAN to remove and disinfect all types of dirt matter, microbial contaminants, debris and organic growth.

3

STEP 3: PROTECT the condensate tray and drain from potential sludge build-up.

SERVICE CHEMICALS, TOOLING & CONSUMABLES

Service Chemicals & Consumables

Our range of chemical and cleaning products includes ready-to-use and concentrated chemicals for system cleaning, maintenance, and performance enhancement. We offer high-quality odour tablets and easy to make chemical gels, along with vacuum pump oil. Additionally, we supply a variety of cleaning consumables to help protect/clean both the individual and systems themselves. Our comprehensive selection ensures all your requirements can be met.

BENEFITS OF REGULAR MAINTENANCE:

- **Improved energy efficiency, cooling duties and reduced CO_2 emissions**
- **Drains kept clear and smelly microbial growth destroyed**
- **Kills and removes 99.99% bacteria, fungi, spores and viruses**
- **Maintains good indoor air quality**
- **Extends life of the unit**
- **Clean units reduce the risk of frozen evaporators and refrigerant leaks**

READY TO USE (SPRAY OR AEROSOL)

SBS Code	Description	MPN	Size
ACCONDENSER1L	RTU CC Condenser Cleaner	S010195GB	1L
ACCOOLSAFE1L	RTU CoolSafe	S010234GB	1L
ACBUBBLE	RTU BU Bubble-Up Leak Detector	S010173GB	1L
ACEVAPCLEANER1L	RTU EC Evaporator Cleaner	S010176GB	1L
ACRTUEVAPDIS1L	RTU ECD Evap Cleaner/Disinfectant	S010196GB	1L
ACEASYCARE	EasyCare Evap. Cleaner/Disinfectant	S010127GB	600ml
ACEASYCLEAN	EasyClean Universal Coil Cleaner	S010128GB	600ml
ACEASYCOAT	EasyCoat Protective Coating	S010129GB	600ml
ACEASYFIND	EasyFind New Bubble-Up Leak Detector	S010350GB	400ml
ACEASYFINISH	EasyFinish Diffuser/Case Cleaner	S010131GB	600ml
ACEASYFOAM	EasyFoam Non-Acid Condenser Cleaner	S010132GB	600ml
ACEASYFRESH	EasyFresh Odour Neutraliser	S090049GB	400ml
ACEASYMOVE	EasyMove	S010367GB	400ml
ACAERB500	Leakseek Leak Detector Spray	AER-B-500	500ml
ACGOTEC	Gotec Leak Spray	LEAKSPRAY	400ml

GELS

SBS Code	Description	MPN	Size	Litres it Makes
ACGELCC	Advanced CC Condenser Cleaner	S010457	490ml	8
ACGELUC	Advanced UC Universal Cleaner	S010459	490ml	8
ACGELECD	Advanced ECD Evaporator Cleaner and Disinfectant	S010458	490ml	8
ACGELIMC	Advanced IMC Ice Machine Cleaner	S010460	490ml	8
ACGELDU	Advanced DU Drain Unblocker	S010461	490ml	8

Use Advanced's chemical selector to find the right product for your job.

SCAN ME

Chemical Selector

REFILLS/CONCENTRATED

SBS Code	Description	MPN	Size
ACHYDROCOIL	HydroCoil Evaporator Cleaner	S010181GB	5L
ACHYDROFOAM	HydroFoam 2.0 Condenser Cleaner	S010164GB	5L
ACHYDROKLEEN	HydroKleen Non-Acid Condenser Cleaner	S010183GB	5L
ACPROCARE	Pro-Care Coil Cleaner	PRO-CARE-GB	5L
ACRTUEVAPDIS20L	RTU ECD Evap Cleaner/Disinfectant	S010211GB	20L
ACSUPERCLEAN	SuperClean Condenser Cleaner	S010171GB	5L
ACSUPERCLEAN20L	SuperClean Condenser Cleaner	S010110GB	20L
ACCONDENCIDE5L	CondenCide Evap Cleaner/ Disinfectent	S010166GB	5L
ACCONDENCIDE20L	CondenCide Evap Cleaner/ Disinfectent	S010165GB	20L
ACCONDENSER5L	RTU CC Condenser Cleaner	S010191GB	5L
ACCONDENSER20L	RTU CC Condenser Cleaner	S010210GB	20L
ACCOOLSAFE5L	CoolSafe RTU	S010233GB	5L
ACCOOLSAFECON5L	CoolSafe Concentrate	S010232GB	5L
ACDRAINKLEEN5L	DrainKleen Condensate	S010188GB	5L
ACDRAINSAFE5L	DrainSafe	S010264GB	5L
ACENDOFLUSH5L	EndoFlush System Flushing Solvent	S010190GB	5L
ACENDOFLUSH20L	EndoFlush System Flushing Solvent	S010004GB	20L
ACENDOFLUSH205L	EndoFlush System Flushing Solvent	S010124GB	205L
ACENVIROCOIL5L	EnviroCoil 'Green' Coil Cleaner	S010167GB	5L
ACENVIROCOIL20L	EnviroCoil 'Green' Coil Cleaner	S010312GB	20L
ACENVIROCOIL205L	EnviroCoil 'Green' Coil Cleaner	S010330GB	205L
ACEVAPCLEANER5L	RTU EC Evaporator Cleaner	S010193GB	5L
ACEVAPCLEANER20L	RTU EC Evaporator Cleaner	S010212GB	20L
ACHIDROX5L	Hidrox Descaler & Colour Ind	S010168GB	5L
ACHIDROX20L	Hidrox Descaler & Colour Ind	S010213GB	20L
ACHYDROCOIL	HydroCoil Evaporator Cleaner	S010181GB	5L
ACHYDROCOIL20L	HydroCoil Evaporator Cleaner	S010109GB	20L
ACHYDROFOAM	HydroFoam 2.0 Condenser Cleaner	S010164GB	5L
ACHYDROKLEEN	HydroKleen Non-Acid Condenser Cleaner	S010183GB	5L
ACICENCLEAN5L	Ice 'N' Clean Ice Machine Cleaner and Disinfectant	S010169GB	5L
ACRTUEVAPDIS5L	RTU ECD Evap Cleaner/Disinfectant	S010192GB	5L
ACRTUEVAPDIS20L	RTU ECD Evap Cleaner/Disinfectant	S010211GB	20L
ACSCALEPRO5L	ScalePro Coil Descaler	S010147GB	5L
ACSCALEPRO20L	ScalePro Coil Descaler	S010336GB	20L
ACSCALEPRO205L	ScalePro Coil Descaler	S010337GB	205L
ACSUPERCLEAN	SuperClean Condenser Cleaner	S010171GB	5L
ACSUPERCLEAN20L	SuperClean Condenser Cleaner	S010110GB	20L
ACVERTEX5L	Vertex Condenser and Evap Cleaner	S010389GB	5L

SERVICE CHEMICALS, TOOLING & CONSUMABLES

Service Chemicals & Consumables

VACUUM PUMP OIL

SBS Code	Description	MPN	Size
ACHUV1	Javac Universal	HVU/1	1L
ACHV68/1J	Javac Universal	HV68/1J	1L
ACHVU/4	Javac HVU/4 HVU Universal	HVU/4	4L
ACVACPUMPOIL	Advanced Premium	S145023GB	1L
ACOIL32E	Fieldpiece Individual Bottle	OIL32	946ml
ACOIL32	Fieldpiece - x 6 bottle*	OIL32	946ml
ACOIL8X3	Fieldpiece - x 3 bottles**	OIL8X3	237ml
ACOIL128	Fieldpiece	OIL128	3.8L
ACVPO1G	Diversitech	RA-13204	4 Gallons
ACVPO1Q	Diversitech	RA-13203	12 Qaurt
AC169200	Rothenberger	169200	1L

* Box quantity bundle
** Plastic bottles to fit in pump body

PAINT/SPRAY

SBS Code	Description	Size	Type
ACCGS	Action Can Zinc Galvanised Paint - ZG-90	500ml	Aerosol
ACCGP	Action Can Zinc Galvanised Paint	500ml	Tin
ACRTDS	Action Can Cutting Spray - CT-90	500ml	Aerosol
LMS500	AC-90 Liquid Maintenance Spray - AC-90	500ml	Aerosol
SSC500	Stainless Steel Cleaner (Food Grade) - SC-90	500ml	Aerosol
ESC500	Electrical Switch Cleaner - EC-90	500ml	Aerosol
ROS500	Red Oxide Primer Spray - RX-90	500ml	Aerosol
CSD500	Cleaning Solvent & Degreaser - TF-90	500ml	Aerosol
ASL500	Anti-Seize Lubricant - CS-90	500ml	Aerosol
ASFC500	Anti-Static Foam Cleaner - FC-90	500ml	Aerosol
DS500	Decontamination Spray - DS-90	500ml	Aerosol
R65008	Rothenberger Cutting Fluid	600ml	Aerosol
RID15681	Ridgid Thread Cutting Oil	600ml	Aerosol
RID11931	Ridgid Thread Cutting Oil	5L	Bottle
WD40200	WD40 Water Repellant (Multi-Purpose Lubricant)	200ml	Aerosol
WD40400	WD40 Water Repellant (Multi-Purpose Lubricant)	400ml	Aerosol
ACCOILKIT	Blygold Coil Protection Kit Spray	n/a	Aerosol

SMELLYJELLYS

SBS Code	MPN	Type	Pack Quantity	Fragrance
ACSMJE1-ORANGE	S090058GB	Size 1	1	Orange
ACSMJE1-APPLE	S090051GB	Size 1	1	Apple
ACSMJE1-CITRUS	S090002	Size 1	1	Citrus
ACSMJE1-FLORAL	S090003	Size 1	1	Floral
ACSMJE1-MIXED	S090008	Size 1	1	Mixed
ACSMJE1-MORN	S090006	Size 1	1	Morning
ACSMJE1-MOUNT	S090007	Size 1	1	Mountain Fresh
ACSMJEAPP	S090050GB	Mini	6	Apple
ACSMJECITR	S090017	Mini	6	Citrus
ACSMJEFLOR	S090018	Mini	6	Floral
ACSMJEMIXED	S090022	Mini	6	Mixed
ACSMJEMORN	S090020	Mini	6	Morning
ACSMJEMOUNT	S090021	Mini	6	Mountain Fresh
ACSMJEORANGE	S090057GB	Mini	6	Orange

EMKARATE POE OIL

SBS Code	MPN	Type	Size	ISO Viscosity Grade
ACRL100H1L	EMKRL100H121L	RL100H	1L	100
ACRL100H5L	EMKRL100H45L	RL100H	5L	100
ACRL100H20L	EMKRL100H120L	RL100H	20L	100
ACRL170H1L	EMKRL170H121L	RL170H	1L	170
ACRL170H5L	EMKRL170H45L	RL170H	5L	170
ACRL170H20L	EMKRL170H120L	RL170H	20L	170
ACRL220H1L	EMKRL220H121L	RL220H	1L	220
ACRL220H5L	EMKRL220H45L	RL220H	5L	220
ACRL220H20L	EMKRL220H120L	RL220H	20L	220
ACRL22H1L	EMKRL22H121L	RL22H	1L	22
ACRL22H5L	EMKRL22H45L	RL22H	5L	22
ACRL22H20L	EMKRL22H120L	RL22H	20L	22
ACRL32H1L	EMKRL32H121L	RL32H	1L	32
ACRL32H5L	EMKRL32H45L	RL32H	5L	32
ACRL32H20L	EMKRL32H120L	RL32H	20L	32
ACRL32MAF1L	EMKRL323MAF121L	R32-3MAF	1L	32-3
ACRL32MAF5L	EMKRL323MAF45L	R32-3MAF	5L	32-3
ACRL32MAF20L	EMKRL323MAF120L	R32-3MAF	20L	32-3
ACRL46H1L	EMKRL46H121L	RL46H	1L	46
ACRL46H5L	EMKRL46H45L	RL46H	5L	46
ACRL46H20L	EMKRL46H120L	RL46H	20L	46
ACRL68H1L	EMKRL68H121L	RL68H	1L	68
ACRL68H5L	EMKRL68H45L	RL68H	5L	68
ACRL68H20L	EMKRL68H120L	RL68H	20L	68
ACRL68HB1L	EMKRL68HB121L	RL68HB	1L	68
ACRL68HB5L	EMKRL68HB45L	RL68HB	5L	68
ACRL68HB20L	EMKRL68HB120L	RL68HB	20L	68

CONSUMABLES

SBS Code	Description	Type
CFMS	CORE Cleanfit Abrasive Mini Strips (Pack of 10)	Abrasive Cleaning
CTMP	CORE Cleantex Abrasive Mini Pads (Green) Pack of 5	Abrasive Cleaning
CFROLL5M	CORE Cleanfit 5M Abrasive Strip	Abrasive Cleaning
BOR	CORE Bag Of Light Coloured Rags 10kg	Wipes & Rags
ACEASYWIPES	EasyWipes (Pack of 50)	Wipes & Rags
UNIUG100	Uniwipe UltraGrime Pro Multiuse Wipes - Pack of 100	Wipes & Rags
MUCKYZ8018	Muckyz Wipes TWW80/18	Wipes & Rags
MUCKYZ8036	Muckyz Wipes TWW80/36	Wipes & Rags
HYW501	Tough Hand Wipes - Industrial - 150 Wipes	Wipes & Rags
BGW2420	Big Wipes BGW2420 4 x 4 Heavy Duty Cleaning Wipes Tube of 80	Wipes & Rags
BDHW80	Multi-Wipes White	Wipes & Rags
GAPBUSTER	Gapbuster Expanding Foam 750ml	Sealant
GAPBUSTERFR	Gapbuster Expanding Foam 750ml 2Hr Fire Rated	Sealant
SSC	310ml Clear Silicone	Sealant
SSW	310ml White Silicone	Sealant
CT1-CLEAR	C-TEC CT1 Sealant Clear	Sealant
CT1-WHITE	C-TEC CT1 Sealant White	Sealant
CT1-BLACK	C-TEC CT1 Sealant Black	Sealant
CT1-GREY	C-TEC CT1 Sealant Grey	Sealant
CT1-BROWN	C-TEC CT1 Sealant Brown	Sealant
CT1-BEIGE	C-TEC CT1 Sealant Beige	Sealant
CT1-OAK	C-TEC CT1 Sealant Oak	Sealant
CT1-BLUE	C-TEC CT1 Sealant Blue	Sealant
CT1-SILVER	C-TEC CT1 Sealant Silver	Sealant
ACS010107	Advanced HydroSprayer - 8L	Sprayer
ACS010450GB	HydroSprayer Elite - 15L	Sprayer

SERVICE CHEMICALS, TOOLING & CONSUMABLES

Tooling & Consumables

By collaborating with the UK's leading manufacturers, we are dedicated to understanding and delivering products that meet customer needs, ensuring tools are not only fit for purpose but also provide the durability that installers deserve. This involves partnering with suppliers who uphold efficient quality procedures and frameworks, ensuring their products meet or exceed industry regulatory standards, which aligns with our own ISO 9001 accreditation.

TUBE CUTTER

SBS Code	Description	MPN	Size
ACJAV-1009	Javac Edge Mini Tube Cutter	JAV-1009	1/8" - 5/8"
ACJAV-1010	Javac Edge Small Tube Cutter	JAV-1010	1/8" - 7/8"
ACJAV-1012	Javac Edge Medium Tube Cutter	JAV-1012	1/8" - 1.1/4"
ACJAV-1013	Javac Edge Medium-Large Tube Cutter	JAV-1013	1/8" - 1.5/8"
ACJAV-1014	Javac Edge Heavy Duty Tube Cutter	JAV-1014	1/4" - 1.1/4"
ACJAV-1015	Javac Edge Large Tube Cutter	JAV-1015	3/8" - 2.5/8"
ACJTC-16	Javac Tube Cutter	JTC-16	1/8" - 5/8"
ACJTC-30	Javac Tube Cutter	JTC-30	1/8" - 1.1/8"
ACJTC-35	Javac Tube Cutter	JTC-35	1/8" - 1.3/8"
ACJTC-42	Javac Tube Cutter	JTC-42	1/8" - 1.5/8"

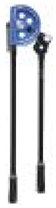
REAMER/DEBURRING

SBS Code	Description
ACLY-209	Inner Outer Reamer
ACJAV-1087	Deburring Tool

TUBE STRAIGHTENING

SBS Code	Description	MPN	Size
ACJAV-TST14	Javac Tube Straightening Tool	JAV-TST14	1/4"
ACJAV-TST38	Javac Tube Straightening Tool	JAV-TST38	3/8"
ACJAV-TST12	Javac Tube Straightening Tool	JAV-TST12	1/2"
ACJAV-TST58	Javac Tube Straightening Tool	JAV-TST58	5/8"

TUBE BENDING



SBS Code	Description	MPN	Size
AC102F04	Spring Benders	102F04	1/4"
AC102F06	Spring Benders	102F06	3/8"
AC102F08	Spring Benders	102F08	1/2"
AC102F10	Spring Benders	102F10	5/8"
AC102F12	Spring Benders	102F12	3/4"
ACJAV-1016	Javac Edge Tube Bender	JAV-1016	3/8"
ACJAV-1017	Javac Edge Tube Bender	JAV-1017	1/2"
ACJAV-1018	Javac Edge Tube Bender	JAV-1018	5/8"
ACJAV-1020	Javac Edge Tube Bender	JAV-1020	7/8"
ACJAV-1021	Javac Edge Tube Bender Set Multi-Size	JAV-1021	1/4 - 7/8"
ACHB85	Javac Hydraulic Bender	HB85	1/4 - 7/8"

WRENCHES & SPANNERS

SBS Code	Description	MPN
ACJAV-127-C	Javac Ratchet Wrench	JAV-127-C
AC127CO	Javac Wrench Ratchet 25 Deg Offset	JAV127CO
ACJAV-1011	Javac Ratchet Handle kit 1/8 - 7/8"	JAV-1011
ACRPI	Ratchet Tool For Pre-Insulated Terminals	
ACPK156	Ratchet Tool & Pre-Insulated Terminals	
R70780X	Rothenberger 1/2 - 1" Hand Ratchet Set	70780X
R70465R	Rothenberger 4" Adjustable Wrench Wide Jaw	70465R
COREWIDEJAWWRENCH6	6" CORE Wide Jaw Adj. Wrench	
COREWIDEJAWWRENCH8	8" CORE Wide Jaw Adj. Wrench	
COREWIDEJAWWRENCH10	10" CORE Wide Jaw Adj. Wrench	
R73297	Rothenberger Uni-Spanner Set C/W Ratchet	73297
ACR175001	Rothenberger Torque Spanner Set 17-29mm	175001

SWAGING & FLARING

SBS Code	Description	MPN	Size
ACJAV-1250	Javac SPIN Swaging Bit	JAV-1250	15mm
ACJAV-1251	Javac SPIN Swaging Bit	JAV-1251	22mm
ACIMP-93S04	Imperial Punch Type Swaging	IMP-93S04	1/4"
ACIMP-93S05	Imperial Punch Type Swaging	IMP-93S05	5/16"
ACIMP-93S06	Imperial Punch Type Swaging	IMP-93S06	3/8"
ACIMP-93S08	Imperial Punch Type Swaging	IMP-93S08	1/2"
ACIMP-93S10	Imperial Punch Type Swaging	IMP-93S10	5/8"
ACIMP-93S12	Imperial Punch Type Swaging	IMP-93S12	3/4"
ACIMP-278FS05	Imperial Swaging Adapter For 275FS	IMP-278FS05	5/16"
ACIMP-278FS08	Imperial Swaging Adapter For 275FS	IMP-278FS08	1/2"
ACIMP-278FS10	Imperial Swaging Adapter For 275FS	IMP-278FS10	5/8"
ACIMP-275FSC	Imperial Flaring/Swaging/Cutting Kit c/w 275FS, TC1000	IMP-275FSC	
ACIMP-193S	Imperial Swaging Punch Kit - 4 piece	IMP-193S	1/4" - 5/8"
ACIMP-193SSP	Imperial Swaging Punch Kit Skin Packed - 4 piece	IMP-193SSP	1/4" - 5/8"
ACIMP-275FS	Imperial Flaring & Swaging Tool Kit 45 Deg	IMP-275FS	1/8" - 3/4"
ACIMP-95S	Imperial 6-in-1 Swaging Tool	IMP-95S	3/16" - 5/8"
ACS080297GB	Spin 100 5pce Swaging Set	S080297GB	1/4" - 3/4"
ACS080296GB	Spin 300 6pce Swaging Set	S080296GB	1/4" - 7/8"
ACS080295GB	Spin 500 4pce Swaging Set	S080295GB	1/4" - 5/8"
ACS080299GB	F Spin 100 4pce Swaging Set	S080299GB	1/4" - 5/8"
ACS080298GB	F Spin 300 5pce Swaging Set	S080298GB	1/4" - 3/4"
ACJAV-1023	Javac Edge 2-in-1 Flaring/ Swaging Tool	JAV-1023	3/16" - 1/2"
ACJAV-1024	Javac Edge Eccentric Cone Flaring Tool	JAV-1024	1/4" - 3/4"
ACJAV-806B	Javac Eccentric Flaring Kit	JAV-806B	1/4" - 3/4"
ACJAV-275K	Javac Flaring Kit	JAV-275K	1/4" - 3/4"
ACJAV-1034	Javac Edge Drill Powered Flaring Tool	JAV-1034	

TUBE EXPANDING

SBS Code	Description	MPN	Size
ACJAV-1025	Javac Edge Tube Expander Set Multi-Size	JAV-1025	1/4" - 1.1/8"
ACJAV-1081	Javac Edge Expander Head	JAV-1081	1/4"
ACJAV-1083	Javac Edge Expander Head	JAV-1083	3/8"
ACJAV-1080	Javac Edge Expander Head	JAV-1080	1/2"
ACJAV-1084	Javac Edge Expander Head	JAV-1084	5/8"
ACJAV-1082	Javac Edge Expander Head	JAV-1082	3/4"
ACJAV-1085	Javac Edge Expander Head	JAV-1085	7/8"
ACJAV-1088	Javac Edge Expander Head	JAV-1088	1"
ACJAV-1086	Javac Edge Expander Head	JAV-1086	1.1/8"
ACJAV-1054	Javac Edge Expander Head	JAV-1054	1.3/8"
ACJAV-1055	Javac Edge Expander Head	JAV-1055	1.5/8"

PLIERS & SCREWDRIVERS

SBS Code	Description	MPN
ACJAV-1357	Javac Pinch Off Plier	JAV-1357
ACJAV-1358	Javac Piercing Plier	JAV-1358
ACJAV-1359	Spare Needles For Piercing Plier (Pack of 10)	JAV-1359
ACVG12	Piercing Plier VG-12 (MV-4311)	
ACVG10	Pinch-Off Plier VG-10	
COREWATERPLIER10	10" CORE Plier	
COREWATERPLIER12	12" CORE Plier	
DD18130	PZ1 x 80mm Pozi Screwdriver	
DD18132	PZ3 x 150mm Pozi Screwdriver	
R80006	Rothenberger Long Reach Screwdriver Set of 2	80006
ACDRIVERSET	Long Screwdriver Set 1502	

SERVICE CHEMICALS, TOOLING & CONSUMABLES

Tooling & Consumables

GALLO GUN

SBS Code	Description
ACGG1	Gallo Gun For AC Condensate Lines
ACGGC6	Pack Of 6 CO2 Cartridge For Gallo Gun
ACGGC12	Pack Of 12 CO2 Cartridge For Gallo Gun
ACGG1A	Adaptor Kit For Gallo Gun

LEADS & TRANSFORMERS

SBS Code	Description
AC110V-IEC	110v Plug & Mains Lead For CC Pumps & XTR-PRO-DV
ACPELE210	Eliwell Transformer 230v - 12v TF111111

THERMOSTATS

SBS Code	Description	MFN
ACST4	Fieldpiece Dual Temp Thermometer	ST4
ACSPK3	Fieldpiece Dual Temp IR Thermometer	SPK3
ACRT-905	Javac RT-905 Alarm Thermometer	RT-905
AC67039	Rothenberger Digital Thermometer	67039

PROBES & METERS

SBS Code	Description	MFN
ACSC260	Fieldpiece Com Clamp Meter TRMS Mag	SC260
ACSC680	Fieldpiece Wireless Swivel Clamp Meter	SC680
ACSMG5	Fieldpiece Megger (Mega-Ω Meter)	SMG5
ACLT17A	Fieldpiece Benchstyle Digital Multimeter	LT17A
ACADLS2	Fieldpiece Replacement Clamp Meter Leads - Silicone	ADLS2
ACSC480	Fieldpiece Ess Wireless Clamp Meter	SC480
ACS070127	Bosch TIF9055 Charging/Recovery Meter	S070127
ACEM10	Javac EM10 Temperature & Humidity Meter	EM10
ACEM20	Javac EM20 Temperature & Vane Anemometer	EM20
ACEM30	Javac EM30 Tachometer	EM30
ACEM310C	Javac EM310C Clamp Meter	EM310C

VACUUM PUMPS & RECOVERY MACHINES

SBS Code	Description	Brand	MFN	Power
ACCC-231-A2L	8.9 CFM A2L Vacuum Pump UK	Javac	CC-231-A2L	Dual
ACCC-141-A2L	5.3 CFM A2L Vacuum Pump UK	Javac	CC-141-A2L	Dual
ACCC-31-A2L	1.4 CFM A2L Vacuum Pump UK	Javac	CC-31-A2L	Dual
ACVP67UK	Vacuum Pump - 6CFM A2L	FieldPiece	VP67UK	Dual
ACVP87UK	Vacuum Pump - 8CFM A2L	FieldPiece	VP87UK	230v
ACVP87EU	Vacuum Pump - 8CFM A2L	FieldPiece	VP87EU	230v
ACVPX7EU	Vacuum Pump - 10CFM A2L	FieldPiece	VPX7EU	230v
ACFPMR45UK	Digital Recovery Machine A2L Approved MR45UK	FieldPiece	MR45UK	110v
ACMR45INT	Digital Recovery Machine	FieldPiece	MR45INT	230v
ACXTRC2-A2L	ALTIMA A2L Spark Proof Recovery Unit	Javac	XTRC-A2L	230v
ACXTR-PRO-DV	XTR-PRO-DV Recovery Unit	Javac	XTR-PRO-DV	Dual
ACXTR-PRO-DV-A2L	XTR-PRO-DV Recovery Unit HFC/HCFC/CFC/A2L	Javac	JAV-1061	Dual
ACMINIMAX110	Promax MiniMax Recovery Unit	Bosch	S070018	110v
ACMINIMAX240	Promax MiniMax Recovery Unit	Bosch	S070025	240v

LEAK DETECTION

SBS Code	Description	MFN
ACJAV-1156	Javac EZ-JECT™ Complete Leak Detection Kit	JAV-1156
ACJAV-1283	Javac D-TEK 3 Refrigerant Leak Detector c/w Sensor	JAV-1283
AC705-202-G21	Javac G21 Tek Mate Leak Detector	705-202-G21
AC718-202-G1	Javac G21 Gas Mate Leak Detector	718-202-G21
ACDR82EU	Fieldpiece Refrigerant Leak Detector - Infra-Red	DR82EU
ACDR58EUR	Fieldpiece Leak Detector (Inc. Tracer Gas) Heated Diode Sensor	DR58EUR
ACRFT6	Fieldpiece Replacement Tip for Leak Detector	RFT6
AC1409R	Rothenberger Super Ego Electronic Leak Detector R32	1409R
AC87305	Rothenberger Ro-Leak Electronic Leak Detector	87305

REFRIGERANT SCALES

SBS Code	Description	MFN	Weight
ACSR47INT	Fieldpiece JobLink Wireless Refrigerant Scales (c/w Remote)	SR47INT	114kg
AC719-202-G1	Javac G1 Wey-Tek HD Wireless Scales Base Only	719-202-G1	115kg
ACG58610	Javac Procharge Charging Scales c/w Case	G58610	100kg
ACTIF9030	Bosch TIF 9030 Compact Refrig Scales	S020209	100kg
R1401R	Rothenberger Super Ego Scales	1401R	100kg
ACR173004	Rothenberger Roscale 120 Electronic Scales	R173004	100kg

KWIK & AUTOMOTIVE COUPLERS

SBS Code	Description	MFN	Refrigerant
ACEL30302	Javac Automotive Coupler R134A LP Depressor	EL30302	R134a
ACEL30312	Javac Automotive Coupler R134A HP	EL30312	R134a
ACEL30303	Javac Automotive Coupler R1234YF LP	EL30303	R1234YF
ACEL30313	Javac Automotive Coupler R1234YF HP	EL30313	R1234YF
ACIMP-16C	Imperial Kwik Coupler Straight 1/4" F x 1/4" M	IMP-16C	Not R410a
ACIMP-17C	Imperial Kwik Coupler Elbow 90 Deg 1/4" F x 1/4" M	IMP-17C	Not R410a
ACIMP-26C	Imperial Kwik Coupler Straight 5/16" F x 5/16" M	IMP-26C	R410a only
ACIMP-27C	Imperial Kwik Coupler Elbow 90 Deg 5/16" F x 5/16" M	IMP-27C	R410a only
ACIMP-535C	Imperial Kwik Charge 1/4" F x 1/4" M	IMP-535C	R410a only
ACIMP-S8920073	Imperial Kwik Female Coupler 1/4" Gasket (10 pack)	IMP-S8920073	
ACIMP-S8920077	Imperial Kwik Female Coupler "O" Ring (10 pack)	IMP-S8920077	
ACIMP-745CB	Imperial Kwik-Charger Manifold (no sight glass)	IMP-745CB	Not R410a
ACIMP-745CBC	Imperial Kwik-Charger Manifold (no sight glass)	IMP-745CBC	R410a only

MANIFOLD, GAUGES & VALVES

SBS Code	Description	MFN	Gas
ACEL66300	Javac Two Valve Manifold Only - NSG	EL66300	Multi Gas
ACEL84372	Javac Two Valve Manifold - 72" Hoses & Case	EL84372	Multi Gas
ACEL86372	Javac Two Valve Manifold - 72" Hoses & Case	EL86372	R410a/R32
ACEL75700	Javac Four Valve Manifold Only - No Hoses	EL75700	R410a/R32
ACEL75172	Javac Four Way Manifold & 72" Hoses & Case	EL75172	R410a/R32
ACEL75300	Javac Four Valve Manifold - No Hoses	EL75300	Multi Gas
ACEL75372	Javac Four Valve Manifold Only - 72" Hoses & Case	EL75372	Multi Gas
ACPVRSET	Javac PVR Manifold Set With Hoses & Adaptor	PVRSET	
ACSM380V	Fieldpiece Wireless Dig 3-Port Man/Vac W/Clamps	SM380VINT	
ACSM480V	Fieldpiece Wireless Dig 4-Port Man/Vac W/Clamps	SM480VINT	
ACEL54511	80mm L/P Manifold Gauge	EL54511	R134a/R407c/ R404a
ACEL56511	80mm L/P Manifold Gauge	EL56511	R410a/R32
ACEL54516	80mm H/P Manifold Gauge	EL54516	R134a/R407c/ R404a
ACEL56516	80mm H/P Manifold Gauge	EL56516	R410a/R32
ACEL33021	Javac RYB Set Of 3 Ball Valves	EL33021	
ACEL33023	Javac Ball Valve 5/16" x 20 UNF	EL33023	R410a/R32
ACEL30036	Javac R410 Adaptor 1/4" M x 5/16" F	EL30036	R410a/R32
ACVG-64	Javac Vacuum Gauge	VC-64	

HOSES

SBS Code	Description	MFN	Size	Length
ACHR3B	Ball Valve Refrigerant Hose Set	HR3B	1/4"	1.5m
ACHR3BM	Ball Valve Refrigerant Hose Set (R32/R410A)	HR3BM	5/16"	1.5m
ACHR3C	Low Loss Refrigerant Hose Set	HR3C	1/4"	1.5m
ACHR3CM	Low Loss Refrigerant Hose Set (R32/R410A)	HR3CM	5/16"	1.5m
ACHV1	Vacuum Hose	HV1	3/8" x 3/8"	1.5m
ACHV1S	Vacuum Hose	HV1S	1/4" x 3/8"	1.5m
ACRHG12	Replacement Hose Gaskets & Depressors	RHG12		
ACHCT6	6 Hose Colour tags For Black Refrigerant Hoses	HCT6		
ACJAV-1072	Javac R32/R410A Safe Seal Hoses	JAV-1072	1/4" x 5/16"	72"
ACJAV-1071	Javac Multi Gas Safe Seal Hoses	JAV-1071	1/4" x 1/4"	72"
AC9881278	Javac Hose Set CCL-36	9881278		36"
AC9881312	Javac Yellow HD Hose	9881312		72"
AC9884095	Javac Hose Set For R410A	9884095		60"
ACJAV-1037	Javac Hose Set c/w Ball Valve to suit R410A/R32	JAV-1037	1/4" x 5/16"	72"
ACJAV-1038	Javac Hose Set c/w Ball Valve to suit R407C/R404A/R134A	JAV-1038		72"
ACEL21972	Javac Hose Set c/w Ball Valve for R410a/R32	EL21972		72"

SERVICE CHEMICALS, TOOLING & CONSUMABLES

Tooling & Consumables

LEVELS & MEASURING

SBS Code	Description
SL200	200mm Spirit Level (Magnetic)
SL600	600mm Spirit Level
SL900	900mm Spirit Level
SBS3MT	3Mt Tape Measure
SBS5MT	5Mt Tape Measure
SBS75MT	7.5Mt Tape Measure
R88819	Rothenberger 5 Mtr Tape Measure
SPMT5	Stanley Pocket Measuring Tape 5m
SPMT8	Stanley Pocket Measuring Tape 8m

BATTERIES

SBS Code	Description	Battery Type	Pack Quantity
DD16201	AAA Battery	AAA	4
ACID2400	AAA Duracell Industrial Battery	AAA	10
DURAAA	Duracell Procell Battery AAA	AAA	10
DD16202	AA Battery	AA	4
ACID1500	AA Duracell Industrial Battery	AA	10
DURAA	Duracell Procell Battery AA	AA	10
ACID1300	C Cell Duracell Industrial Battery	C	10
ACID1400	D Cell Duracell Industrial Battery	D	10
DD16203	D Battery	D	2
LR44B2	Duracell Speciality LR44 Alkaline Button Battery 1.5V	LR44	2
123ULTRA	Duracell Speciality High Power Lithium 123 Battery 3V	CR123A	2
ACID1604	9 Volt Duracell Industrial Battery	9V	10
DUR9V	Duracell Procell Battery 9V	9V	5
9VK1	Duracell Plus Power 9V Battery	9V	1
DD16204	PP3 Battery	9V	1
DL2025B2	Duracell Speciality Lithium Coin 2025 Battery 3V	2025	2
DL2032B2	Duracell Speciality Lithium Coin 2032 Battery 3V	2032	2

TORCHES

SBS Code	Description	Lumen
ACPS-HDL2	Unilite Head Torch (3 x AAA)	200
ACHL-4R	Unilite Rechargeable Pen Light (3 x AAA)	275
ACNL-350R	Unilite Rechargeable Neck Light	350
ACIL-425R	Unilite Folding Multi Light Work Light	425
ACHL-8R	Unilite Rechargeable Head Torch	475
ACFL-550R	Unilite Rechargeable Torch	550
ACIL-925R	Unilite Folding Multi Light Work Light	925
ACSLR-1450	Unilite Folding/Rotating Work Light	1450
ACSLR-1750	Unilite Folding Work Light	1750
ACMTB-5300	Unilite Multi Battery Site Light	5300
ACSLR-5500	Unilite Rechargeable Site Light	5500
ACTTD	STK11 Double Barrel Torch 0386-1283	
R1500003810	Rothenberger Medium Slide Focusing Torch	
R1500003809	Rothenberger RO80 Compact Slide Focusing Torch	
R1500003813	Rothenberger RO400 Combined Torch & Inspection Light	

TOOL BAGS

SBS Code	Description	MPN
ACAX3501	Veto Pro Pac Tech - PAC	AX3501
ACAX3506	Veto Pro Pac Tech - MAC	AX3506
ACAX3509	Veto Pro Pac OT - LC	AX3509
AXAS3514	Veto Pro Pac Tech - MC	AX3514
ACBG36	Fieldpiece Inspection Tool Bag	BG36
ACBG44	Fieldpiece Service Tool Bag	BG44

CUTTING TOOLS

SBS Code	Description
ACFK3	Unilite Folding Utility Knife With Steel Blade
ACEK4	Unilite Folding Electricians Knife
TKB	Trimming Knife Blade (Each)
TKB.10	Trimming Knife Blade (Pack of 10)
STA010499	Stanley Retractable Blade Knife
R88876	Rothenberger Retractable Trimming Knife
HSFJNR	Junior Hacksaw
HSBJNR	Junior Hacksaw Blade
HSF300	300mm Hacksaw Frame
HSB18	300mm 18 TPI Hacksaw Blade
HSB24	300mm 24 TPI Hacksaw Blade
HSB32	300mm 32 TPI Hacksaw Blade
CORERB150018	150mm x 18 TPI CORE Reciprocating Saw Blades (Pack of 5)
CORERB230018	230mm x 18 TPI CORE Reciprocating Saw Blades (Pack of 5)

GLOVES & GLASSES

SBS Code	Description
LTGLOVES	Light Task Black Gloves Medium (Pair)
LTGLOVESLG	Light Task Black Gloves Large (Pair)
LTGLOVESXL	Light Task Black Gloves Extra Large (Pair)
ACSG-YIO	Unilite Safety Glasses With Indoor/Outdoor Lense
ACSG-YFG	Unilite Safety Glasses With Foam Gaskets
ACSG-YCB	Unilite Safety Glasses With Blue Light Blocking
ACSG-YDS	Unilite Safety Glasses With Dark Smoked Lense

BRAZING EQUIPMENT

SBS Code	Description	MFN
ACSOLS2	2mm x 500mm S2 Brazing Rod 1kg	SOL-S2.0AG0.2-KG
ACJAV-S2	JAV-S2 Brazing Rods 1Kg Pack	JAV-S2
ACSILWELD	Silweld 1.5mm 40 Flux Coated Rod (5 Rods per Pack)	
R40202	Rothenberger 1 Kg S2 Brazing Rods	40202
AC4405SILVER	4405-1.5 40% Ag Solder (5) Fluxed Coated	
MGR	453g Map Gas Refill (Yellow Cylinder)	
35536R	Rothenberger MAP/Pro Gas Cylinder 399g	35536R
ACTURBOSET	Oxyturbo Set 1000 Brazing Kit	S050026GB
ACFD2	Fusion Dual Brazing Torch	FD2
ACOLY2	Javac OLY2 Olympus Auto Brazing/ Soldering Torch	OLY2
R35644X	Rothenberger Superfire 2 Torch	35644X
R1000003312	Rothenberger Hot Bag Superfire / Mat	1000003312
R67022	Rothenberger Plumbers Soldering Mat (750 degrees)	67022
R67023	Rothenberger Supermat	67023
HRM	Heat Resistant Mat (non asbestos)	
ACJAV-1002	Javac Heat Shield Putty	JAV-1002
FLUXB	Flux Brush	
R80004	Rothenberger Flux Brushes (3)	80004
SBSFLUX454	454g Lawton Self Cleaning Flux c/w Brush	SOL-FLF453
FLUX60	60g LA-CO Regular Flux	LAC-22103
FLUX125	125g LA-CO Regular Flux	LAC-22105
FLUX454	475g LA-CO Regular Flux	LAC-22108
POW100	100g Powerflow Flux	20437
POW350	350g Powerflow Flux	20436
EVERFLUX80	Everflux Small 80ml	EFL80
EVERFLUX250	Everflux Large 250ml	EFL250
TCF500	500g Yorks Trad Craftmans Flux 131	70215

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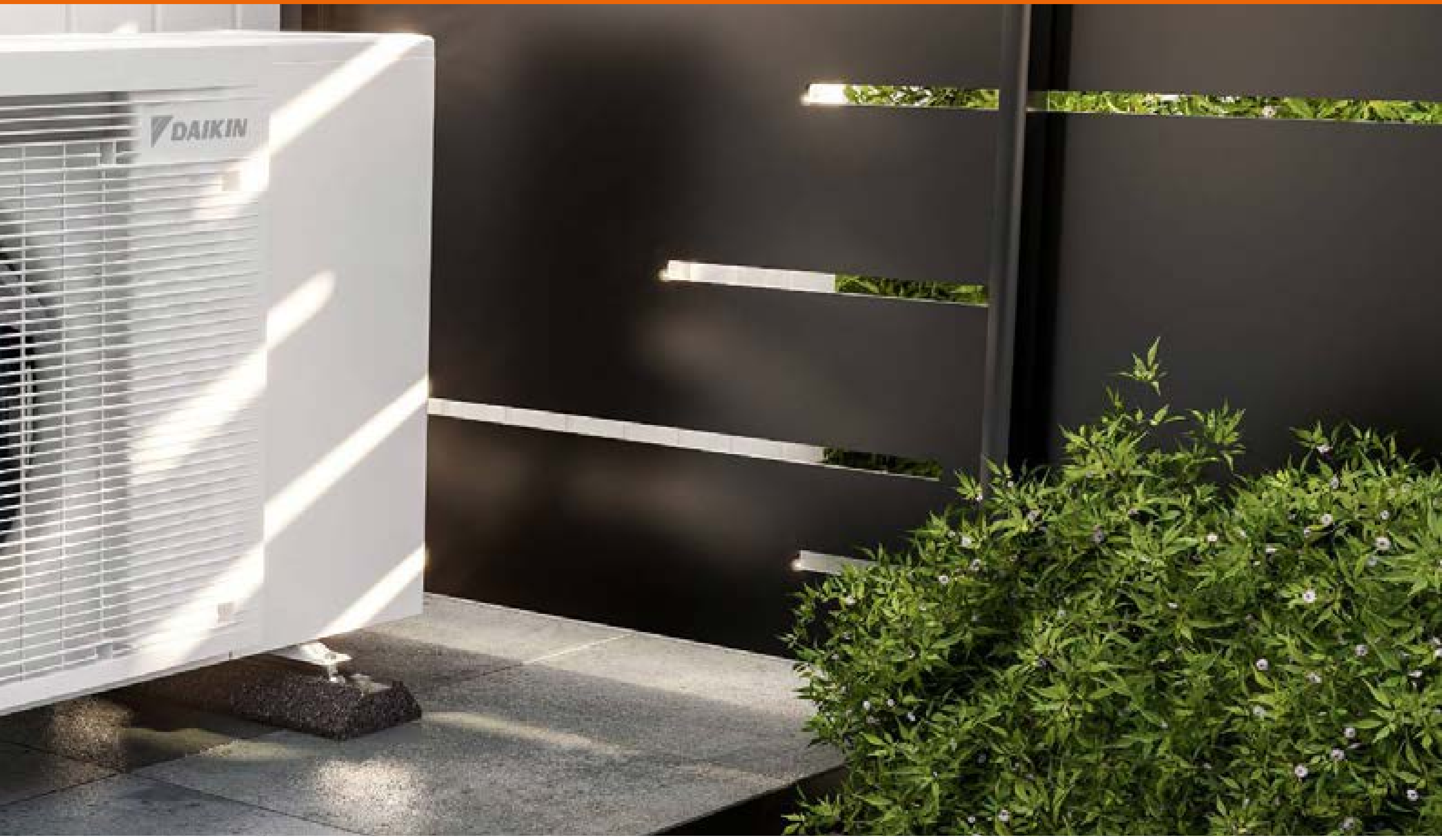

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HEAT PUMPS

Daikin

A Daikin air source heat pump extracts energy from the air and connects to your central heating system. This heat pump equipment is a renewable technology that replaces your boiler and connects to your central heating system to provide heating, hot water and optional cooling. It's a sustainable, environmentally friendly solution for your home.

Altherma 3 Low-Capacity Monobloc (R32)

This high-performance air-to-water Monobloc system is available in heating-only (EDLA) and reversible heating-and-cooling (EBLA) models, both of which are ideal for homes with limited indoor space. It is capable of operating down to -25°C and delivering LWT 55°C at -15°C without a backup heater.

FEATURES

- WLAN cartridge connection standard included
- Possible to combine with domestic hot water tanks
- Heating only air-to-water heat pump
- Monobloc all-in-one concept including all hydraulic parts
- Optional plug & play integrated 3kW electric back-up heater
- Range of tanks, thermal stores, controls and pre-plumbed cylinders
- Available in one phase

SBS Code	Type/Description	Function	Refrigerant	Phase	Recommended Fuse	Dimensions (mm) H x D x W	Weight (kg)	SCOP (Efficiency) @ 35°C	SCOP (Efficiency) @ 55°C	MPN
EDLA04EV3	Low Capacity Monobloc - 4kW	Heating Only	R32	1 Phase	20	770 x 362 x 1250	88	4.48/ A+++	3.26/ A++	EDLA04EV3
EBLA04EV3	Low Capacity Monobloc - 4kW	Reversible	R32	1 Phase	20	770 x 362 x 1250	88	4.48/ A+++	3.26/ A++	EBLA04EV3
EDLA06EV3	Low Capacity Monobloc - 6kW	Heating Only	R32	1 Phase	20	770 x 362 x 1250	88	4.47/ A+++	3.26/ A++	EDLA06EV3
EBLA06EV3	Low Capacity Monobloc - 6kW	Reversible	R32	1 Phase	20	770 x 362 x 1250	88	4.47/ A+++	3.26/ A++	EBLA06EV3
EDLA08EV3	Low Capacity Monobloc - 8kW	Heating Only	R32	1 Phase	25	770 x 362 x 1250	88	4.56/ A+++	3.32/ A++	EDLA08EV3
EBLA08EV3	Low Capacity Monobloc - 8kW	Reversible	R32	1 Phase	25	770 x 362 x 1250	88	4.56/ A+++	3.32/ A++	EBLA08EV3

Altherma 4 High Temperature (R290) – Coming Soon

The new Daikin Altherma 4 high temperature is the pinnacle of acoustic comfort, heating performance and efficiency, thanks to the latest design developments. The outdoor unit has a stunning new design, with a new low noise black grille that blends into any setting. With a new fan, grille and compressor housing, this is the quietest high temperature model available. R290 refrigerant helps this heat pump achieve high water temperatures and high capacities even at low air temperatures, ensuring reliable comfort year round.

SBS Code	Type/Description	Refrigerant	Phase	Recommended Fuse	Dimensions (mm) H x D x W	Weight (kg)	SCOP (Efficiency) @ 35°C	SCOP (Efficiency) @ 55°C	MPN
EPSK06AV3	HT Monobloc - 6kW	R290	1 Phase	32	1122 x 600 x 1330	174	A+++/5.12	A+++/3.91	EPSK06AV3
EPSK08AV3	HT Monobloc - 8kW	R290	1 Phase	32	1122 x 600 x 1330	174	A+++/5.15	A+++/3.97	EPSK08AV3
EPSK08AW1	HT Monobloc - 8kW	R290	3 Phase	16	1122 x 600 x 1330	178	A+++/5.14	A+++/3.96	EPSK08AW1
EPSK10AV3	HT Monobloc - 10kW	R290	1 Phase	32	1122 x 600 x 1330	174	A+++/5.15	A+++/4.02	EPSK10AV3
EPSK10AW1	HT Monobloc - 10kW	R290	3 Phase	16	1122 x 600 x 1330	178	A+++/5.14	A+++/4.02	EPSK10AW1
EPSK12AW1	HT Monobloc - 12kW	R290	3 Phase	16	1122 x 600 x 1330	191	A+++/5.14	A+++/4.04	EPSK12AW1
EPSK12AW1	HT Monobloc - 14kW	R290	3 Phase	16	1122 x 600 x 1330	191	A+++/4.96	A+++/3.84	EPSK12AW1

Altherma 3 High-Capacity Monobloc (R32)

This new addition to the Daikin Altherma 3 range offers higher capacity monobloc units, in 9, 11, 14 and 16kW class, all delivered in a market leading compact single fan casing, making it ideal for new buildings and large renovations. High performance in low ambient conditions with an operation range down to -25°C, ensuring the system delivers in the harshest of conditions. The unit also has high performance of 60°C leaving water temperature down to -7°C ambient.

FEATURES

- **A REDESIGNED OUTDOOR UNIT:**
  A modern, single fan design, with compact dimensions and a sleek black grill, providing an unobtrusive and versatile outdoor unit.
- **HIGH PERFORMANCE SINGLE FAN:**
  Previous double fan arrangement has been replaced with a larger single fan. The new ‘gull wing’ fan design reduces drag to improve system air flow and create a quieter outdoor unit, with a low sound level of just 62 dBA.
- **REDUCED ENVIRONMENTAL IMPACT:**
  Uses R32 refrigerant.
- **ALL-IN-ONE MONOBLOC UNIT:**
  System requires no indoor unit, only a wiring centre and a stand-alone domestic hot water tank.
- **IDEAL WHERE SPACE IS AT A PREMIUM:**
  No additional indoor unit is required with outdoor unit now having a reduced size casing of only 870mm height, which can fit under a window.
- **RANGE OF MODELS:**
  Available in heating only, reversible heating and cooling, 1-phase and 3-phase models.
- **ADDED RELIABILITY:**
  Integrated electric back-up heater.

SBS Code	Type/Description	Function	Refrigerant	Phase	Recommended Fuse	Dimensions (mm) H x D x W	Weight (kg)	SCOP (Efficiency) @ 35°C	SCOP (Efficiency) @ 55°C	MPN
EDLA09D3V3	High Capacity Monobloc - 9kW	Heating Only	R32	1 Phase	32	870 x 460 x 1380	149	4.72/ A+++	3.39/ A++	EDLA09D3V3
EDLA09D3W1	High Capacity Monobloc - 9kW	Heating Only	R32	3 Phase	13	870 x 460 x 1380	149	4.72/ A+++	3.39/ A++	EDLA09D3W1
EBLA09D3V3	High Capacity Monobloc - 9kW	Reversible	R32	1 Phase	32	870 x 460 x 1380	149	4.82/ A+++	3.44/ A++	EBLA09D3V3
EBLA09D3W1	High Capacity Monobloc - 9kW	Reversible	R32	3 Phase	13	870 x 460 x 1380	149	4.82/ A+++	3.44/ A++	EBLA09D3W1
EDLA11D3V3	High Capacity Monobloc - 11kW	Heating Only	R32	1 Phase	32	870 x 460 x 1380	149	4.64/ A+++	3.32/ A++	EDLA11D3V3
EDLA11D3W1	High Capacity Monobloc - 11kW	Heating Only	R32	3 Phase	13	870 x 460 x 1380	149	4.64/ A+++	3.32/ A++	EDLA11D3W1
EBLA11D3V3	High Capacity Monobloc - 11kW	Reversible	R32	1 Phase	32	870 x 460 x 1380	149	4.73/ A+++	3.37/ A++	EBLA11D3V3
EBLA11D3W1	High Capacity Monobloc - 11kW	Reversible	R32	3 Phase	13	870 x 460 x 1380	149	4.73/ A+++	3.37/ A++	EBLA11D3W1
EDLA14D3V3	High Capacity Monobloc - 14kW	Heating Only	R32	1 Phase	32	870 x 460 x 1380	149	4.62/ A+++	3.37/ A++	EDLA14D3V3
EDLA14D3W1	High Capacity Monobloc - 14kW	Heating Only	R32	3 Phase	13	870 x 460 x 1380	149	4.62/ A+++	3.37/ A++	EDLA14D3W1
EBLA14D3V3	High Capacity Monobloc - 14kW	Reversible	R32	1 Phase	32	870 x 460 x 1380	149	4.70/ A+++	3.42/ A++	EBLA14D3V3
EBLA14D3W1	High Capacity Monobloc - 14kW	Reversible	R32	3 Phase	13	870 x 460 x 1380	149	4.70/ A+++	3.42/ A++	EBLA14D3W1
EDLA16D3V37	High Capacity Monobloc - 16kW	Heating Only	R32	1 Phase	32	870 x 460 x 1380	149	4.62/ A+++	3.33/ A++	EDLA16D3V3
EDLA16D3W17	High Capacity Monobloc - 16kW	Heating Only	R32	3 Phase	13	870 x 460 x 1380	149	4.62/ A+++	3.33/ A++	EDLA16D3W1
EBLA16D3V37	High Capacity Monobloc - 16kW	Reversible	R32	1 Phase	32	870 x 460 x 1380	149	4.69/ A+++	3.37/ A++	EBLA16D3V3
EBLA16D3W17	High Capacity Monobloc - 16kW	Reversible	R32	3 Phase	13	870 x 460 x 1380	149	4.69/ A+++	3.37/ A++	EBLA16D3W1

HEAT PUMPS

Ideal

Ideal offer a range of ASHPs, and their products have already been installed in over 4 million UK homes. With their dedication to quality, sustainability, and a deep understanding of the British climate, their ASHP range provides reliable heating, no matter the weather. Ideal offers a wide variety of air source heat pumps perfectly suited to homeowners' needs. Whether it's efficient heating or a complete eco-friendly solution, their systems deliver dependable warmth, snow or shine. Through a dedicated ASHP customer service team capable of remote system health checks, Logic Air is quick to install, easy to commission, and simple to use.

Logic Air (R32)

The Logic Air is Ideal's monobloc heat pump range, offering great efficiencies in both heating and hot water. The product is designed to deliver efficient, simple, and reliable low-carbon heating in homes throughout the UK. Taking the learnings from their award-winning Logic boiler, the Logic Air heat pump integrates seamlessly with UK homes, and can be partnered with their pre-plumbed hot water cylinder and connected Halo Air room thermostat.

FEATURES

- Quiet operation
- Highly efficient: SCOP up to 5.19*
- Compatibility: radiator and underfloor heating systems
- Intuitive control: smart weather compensating controls
- Low carbon refrigerant: zero ozone depletion and low global warming potential
- Solar PV compatible
- Monobloc technology enables easy installation and servicing
- Domestic hot water: hot, efficient and fast re-heat times with the Ideal heat pump cylinder range

* Performance data is in accordance with EN 14825: 2016, EN 12102-1: 2022, EN 14511: 2018. The energy efficiency provided may not correspond to the actual energy once installed in a building, as the efficiency is influenced by other factors such as heat loss in the distribution system and the capacity of the products in relation to building size and characteristics.

SBS Code	Type/Description	Refrigerant	Phase	Dimensions (mm) H x D x W	Weight (kg)	SCOP (Efficiency) @ 35°C	SCOP (Efficiency) @ 55°C	MPN
LOGAH750664	Monobloc 4kW	R32	1 Phase	798 x 518 1095	86	4.96/A+++	3.48/A++	AH750664
LOGAH750665	Monobloc 5kW	R32	1 Phase	798 x 518 1095	86	5.07/A+++	3.65/A++	AH750665
LOGAH750666	Monobloc 8kW	R32	1 Phase	1008 x 518 1095	110	5.16/A+++	3.70/A++	AH750666
LOGAH750667	Monobloc 10kW	R32	1 Phase	1008 x 518 1095	110	5.19/A+++	3.73/A++	AH750667

ECOMOD Co2& Co2Q (R744) - Commercial

The **CO2** and **CO2Q** units from Ideal are a commercial low noise monobloc heat pump made in the UK. Featuring R744 (CO2) natural refrigerant for ultra-low GWP of 1, they are able to achieve high temperatures up to 70°C.

Available in two ranges, and three outputs: 65kW, 95kW and 130kW with the CO2Q models benefiting from the lowest dB(A) rating for minimal background noise. The innovative space saving design ensures these heat pumps can be placed flush against a wall or installed in a back-to-back arrangement to achieve higher outputs. To access the government grant, currently the maximum capacity is 300kW for a shared ground loop system.

SBS Code	Type/Description	Refrigerant	Phase	Dimensions (mm) H x D x W	Weight (kg)	MPN
ECO241029	ECOMOD CO2 - 65kW	R744	3 Phase	1853 x 1160 x 2190	935	241029
ECO241030	ECOMOD CO2 - 95kW	R744	3 Phase	1853 x 1160 x 3051	1260	241030
ECO241031	ECOMOD CO2 - 130kW	R744	3 Phase	1853 x 1457 x 3101	1300	241031
ECO241032	ECOMOD CO2Q - 65kW	R744	3 Phase	2401 x 1160 x 2190	1000	241032
ECO241033	ECOMOD CO2Q - 95kW	R744	3 Phase	2401 x 1160 x 3051	1365	241033
ECO241034	ECOMOD CO2Q - 130kW	R744	3 Phase	2401 x 1457 x 3101	1590	241034

HEAT PUMPS

Ideal

HP290 (R290)

The HP290 monobloc heat pump offers a low-GWP refrigerant with high efficiencies, providing heating and hot water throughout the year by utilising Ideal's pre-plumbed and prewired cylinder. The system offers customers an aesthetically pleasing heating solution and when paired with Halo Lite RF, a great user experience.

FEATURES

- Low GWP R290 Refrigerant
- Highly efficient: SCOP up to 500%*
- Compatibility: radiator and underfloor heating systems
- Intuitive control: smart weather compensating controls
- Low carbon refrigerant: zero ozone depletion and low global warming potential
- Smart grid and solar PV compatible
- Monobloc technology enables easy installation and servicing
- Domestic hot water: hot, efficient and fast re-heat times with the ideal heat pump cylinder range
- Flow temperatures up to 75°C

* Performance data is in accordance with EN 14825: 2016, EN 12102-1: 2022, EN 14511: 2018. The energy efficiency provided may not correspond to the actual energy once installed in a building, as the efficiency is influenced by other factors such as heat loss in the distribution system and the capacity of the products in relation to building size and characteristics.

SBS Code	Type/Description	Refrigerant	Phase	Dimensions (mm) H x D x W	Weight (kg)	SCOP (Efficiency) @ 35°C	SCOP (Efficiency) @ 55°C	MPN
LOG241486	HP Monobloc 4.5kW Plus Couplings	R290	1 Phase	717 x 426 x 1299	90	5.07/A+++	3.79/A++	241486
LOG241487	HP Monobloc 6kW Plus Couplings	R290	1 Phase	717 x 426 x 1299	90	4.89/A+++	3.82/A++	241487
LOG241488	HP Monobloc 8kW Plus Couplings	R290	1 Phase	865 x 523 x 1385	117	5.07/A+++	3.82/A++	241488
LOG241489	HP Monobloc 10kW Plus Couplings	R290	1 Phase	865 x 523 x 1385	135	4.67/A+++	3.62/A++	241489
LOG241490	HP Monobloc 12kW Plus Couplings	R290	1 Phase	865 x 523 x 1385	135	4.63/A+++	3.61/A++	241490
LOG241491	HP Monobloc 14kW Plus Couplings	R290	1 Phase	865 x 523 x 1385	135	4.59/A+++	3.57/A++	241491

ECOMOD 290HT (R290) - Commercial

This monobloc air source heat pump is available in 3 chassis sizes and five outputs from 15kW through to 50kW. Featuring R290 refrigerant for ultra-low GWP of 3 and is able to achieve high temperatures up to 75°C. Built with larger buildings in mind, the systems can be used in cascade system, to achieve the higher outputs needed for commercial installations. To access the government grant, currently the maximum capacity is 45kW for individual systems and 300kW for a shared ground loop system.

SBS Code	Type/Description	Refrigerant	Phase	Dimensions (mm) H x D x W	Weight (kg)	SCOP (Efficiency) @ 35°C	SCOP (Efficiency) @ 55°C	MPN
ECO239346	ECOMOD 290HT- 15kW	R290	3 Phase	1447 x 510 x 1100	174	A+++/5.02	A++/4.85	239346
ECO239348	ECOMOD 290HT- 18kW	R290	3 Phase	1447 x 510 x 1100	174	A+++/4.99	A++/4.76	239348
ECO239360	ECOMOD 290HT- 27kW	R290	3 Phase	1270 x 710 x 1610	285	A+++/4.46	A++/4.00	239360
ECO239362	ECOMOD 290HT- 40kW	R290	3 Phase	1980 x 1110 x 1895	535	A++/4.09	A++/3.83	239362
ECO239364	ECOMOD 290HT- 50kW	R290	3 Phase	1980 x 1110 x 1895	550	A++/4.20	A++/3.91	239364

HEAT PUMPS

Vaillant

Vaillant ensure products meet the highest quality standards and their products have long lifespans for consumers to reap the benefits for many years. With over 150 years of experience they have continue to meticulously test products to ensure exceptional quality. Their range of ASHPs offer an economic, effective and environmentally friendly solution to cover the consumer heating and hot water needs.

aroTHERM Plus (R290)

This air-to–water heat pump combines great performance, energy efficiency and sustainability, with an energy efficiency class of A+++. The aroTHERM Plus ASHP paired with a Vaillant hot water cylinder and indoor unit, is ideal for a wide range of properties which can provide domestic hot water & heating.

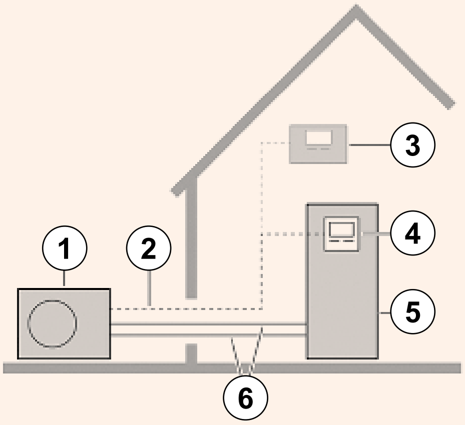
The aroTHERM plus is Vaillant’s flagship air source heat pump range, available in a wide range of heat output sizes for many types of property with 3.5, 5, 7, 10 and 12kW models available. This heat pump continues to win awards around the world for its innovative use of the refrigerant R290, which gives it a Global Warming Potential (GWP) of just three. This refrigerant is already used in household appliances all over the world and offers many advantages over refrigerants traditionally used in heat pumps. Coupled with market leading technical features that improve efficiency and deliver higher flow temperatures, the aroTHERM plus is perfect for new and existing heating systems (including hybrid). It‘s also impressively quiet in operation and has been accredited by Quiet Mark*, making it suitable for use even in densely built-up terraced housing estates.

FEATURES

- **HIGH PERFORMANCE:**
  With a flow temperature of up to 75°C, the aroTHERM plus can deliver more usable hot water with high hot water comfort levels whilst removing the need for direct electric immersion to sterilise the water, protecting from legionella.
- **SUPER QUIET OPERATION:**
  From just three metres away, the acoustic pressure level is less than 30 dB(A) for easier planning and siting.
- **HIGHER ENERGY-EFFICIENCY PERFORMANCE:**
  With a SCOP of up to 5.03, the aroTHERM plus is extremely energy efficient, enabling high energy savings against certain fossil fuels.
- **R290 NATURAL REFRIGERANT WITH LOW GWP:**
  Already fulfilling the next NZEB requirements, the aroTHERM plus uses monobloc technology
- **FULLY ADAPTABLE SYSTEM APPROACH:**
  The aroTHERM plus can also be combined with photovoltaic systems and integrated into smart power grids (SG-ready), so your customers can enjoy the benefits of variable electricity tariffs.
- **QUALITY BY DESIGN:**
  Suitable for installations less than 150m away from the sea with salt resistant construction C5 class.

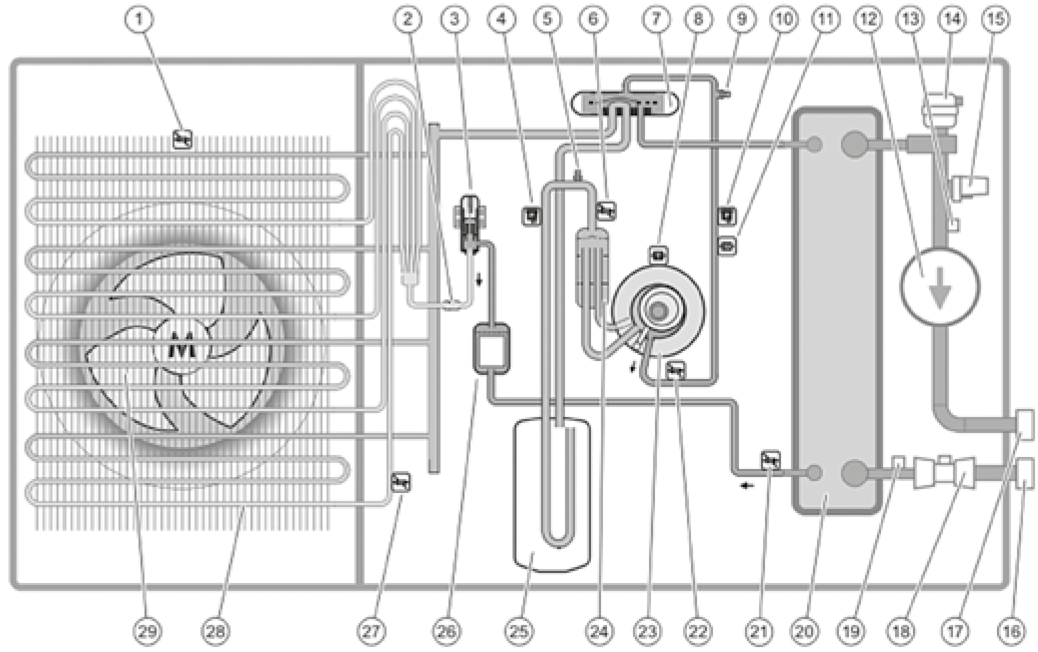
SBS Code	Type/Description	Refrigerant	Phase	Dimensions (mm) H x W x D	Weight (kg)	Energy Efficiency Class @ 35°C	Energy Efficiency Class @ 55°C	MPN
0010037211	AroTherm Plus 3.5kW	R290	1 Phase	765 x 1100 x 450	114	4.41/A+++	3.10/A++	0010037211
0010037212	AroTherm Plus 5kW	R290	1 Phase	765 x 1100 x 450	114	4.48/A+++	3.06/A++	0010037212
0010037213	AroTherm Plus 7kW	R290	1 Phase	965 x 1100 x 450	128	4.36/A+++	3.39A++	0010037213
0010037214	AroTherm Plus 10kW	R290	1 Phase	1565 x 1100 x 450	194	5.03/A+++	3.58/A++	0010037214
0010037215	AroTherm Plus 12kW	R290	1 Phase	1565 x 1100 x 450	210	4.88/A+++	3.63/A++	0010037215
0010048454	AroTherm Plus 12kW	R290	3 Phase	1565 x 1100 x 450	210	4.88/A+++	3.63/A++	0010048454

TYPICAL MONOBLOC HEAT PUMP SYSTEM DESIGN:



1 – Outdoor Unit
2 – eBUS line
3 – Optional system control
4 – Control for the indoor unit
5 – Indoor unit with domestic hot water cylinder
6 - Heating circuit

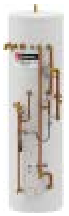
FUNCTIONAL DIAGRAM:



1	Temperature sensor at the air inlet
2	Filter
3	Electronic expansion valve
4	Pressure sensor
5	Maintenance connection in the low-pressure area
6	Temperature sensor upstream of the compressor
7	4-port diverter valve
8	Temperature sensor on the compressor
9	Maintenance connection in the high-pressure area
10	Pressure sensor
11	Pressure switch
12	Heating pump
13	Temperature sensor on the heating flow
14	Automatic air vent in the heating circuit
15	Pressure sensor in the heating circuit
16	Connection for heating return
17	Connection for heating flow
18	Flow rate sensor
19	Temperature sensor on the heating return
20	Condenser
21	Temperature sensor downstream of the condenser
22	Temperature sensor downstream of the compressor
23	Compressor
24	Refrigerant separator
25	Refrigerant buffer
26	Filter/dryer
27	Temperature sensor at the evaporator
28	Evaporator
29	Fan

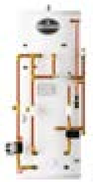
HEAT PUMPS
Cylinders & Tanks

PRE-PLUMBED



SBS Code	Description	Litre	MPN
UK.PPC150/R32SS	Daikin Cylinder (R32)	150	UK.PPC150/R32
UK.PPC180/R32SS	Daikin Cylinder (R32)	180	UK.PPC180/R32
UK.PPC210/R32SS	Daikin Cylinder (R32)	210	UK.PPC210/R32
UK.PPC250/R32SS	Daikin Cylinder (R32)	250	UK.PPC250/R32
UK.PPC300/R32SS	Daikin Cylinder (R32)	300	UK.PPC300/R32
GLEPLUHP200DUOPP	Gledhill SL Plus DUO	200	PLUHP200DUOPP
GLEPLUHP300DUOPP	Gledhill SL Plus DUO	300	PLUHP300DUOPP
LOG236198	Ideal Logic Air single zone Cylinder	150	236198
LOG236203	Ideal Logic Air single zone Cylinder (SL)	150	236203
LOG236199	Ideal Logic Air single zone Cylinder	180	236199
LOG236204	Ideal Logic Air single zone Cylinder (SL)	180	236204
LOG236200	Ideal Logic Air two zone Cylinder	210	236200
LOG236205	Ideal Logic Air two zone Cylinder (SL)	210	236205
LOG236201	Ideal Logic Air two zone Cylinder	250	236201
LOG236202	Ideal Logic Air two zone Cylinder	300	236202
LOG236206	Ideal Logic Air DHW Cylinder c/w int buffer (single zone)	180	236206
LOG236207	Ideal Logic Air DHW Cylinder c/w int buffer (two zone)	180	236207
LOG236208	Ideal Logic Air DHW Cylinder c/w int buffer (single zone)	210	236208
LOG236209	Ideal Logic Air DHW Cylinder c/w int buffer (two zone)	210	236209
LOG236210	Ideal Logic Air DHW Cylinder c/w int buffer (single zone)	250	236210
LOG236211	Ideal Logic Air DHW Cylinder c/w int buffer (two zone)	250	236211
LOG236212	Ideal Logic Air DHW Cylinder c/w int buffer (single zone)	300	236212
LOG236213	Ideal Logic Air DHW Cylinder c/w int buffer (two zone)	300	236213
LOG240122	Ideal HP290 single zone Cylinder	150	240122
LOG240127	Ideal HP290 single zone Cylinder (SL)	150	240127
LOG240123	Ideal HP290 single zone Cylinder	180	240123
LOG240128	Ideal HP290 single zone Cylinder (SL)	180	240128
LOG240124	Ideal HP290 two zone Cylinder	210	240124
LOG240129	Ideal HP290 two zone Cylinder (SL)	210	240129
LOG240125	Ideal HP290 two zone Cylinder	250	240125
LOG240126	Ideal HP290 two zone Cylinder	300	240126
LOG240130	Ideal HP290 DHW Cylinder c/w int buffer (single zone)	180	240130
LOG240131	Ideal HP290 DHW Cylinder c/w int buffer (two zone)	180	240131
LOG240132	Ideal HP290 DHW Cylinder c/w int buffer (single zone)	210	240132
LOG240133	Ideal HP290 DHW Cylinder c/w int buffer (two zone)	210	240133
LOG240134	Ideal HP290 DHW Cylinder c/w int buffer (single zone)	250	240134
LOG240135	Ideal HP290 DHW Cylinder c/w int buffer (two zone)	250	240135
LOG240136	Ideal HP290 DHW Cylinder c/w int buffer (single zone)	300	240136
LOG240137	Ideal HP290 DHW Cylinder c/w int buffer (two zone)	300	240137

PRE-PLUMBED



SBS Code	Description	Litre	MPN
TSMI150/30/HP/SL/PREP	Tempest Ind Cylinder c/w 30 Ltr Buffer - Slimline	150	TSMI150/30/HP/SL/PREP
TSMI170/30/HP/SL/PREP	Tempest Ind Cylinder c/w 30 Ltr Buffer - Slimline	170	TSMI170/30/HP/SL/PREP
TSMI200/30/HP/SL/PREP	Tempest Ind Cylinder c/w 30 Ltr Buffer - Slimline	200	TSMI200/30/HP/SL/PREP
TSMI250/50/HP/SL/PREP	Tempest Ind Cylinder c/w 50 Ltr Buffer - Slimline	250	TSMI250/50/HP/SL/PREP
TSMI300/50/HP/SL/PREP	Tempest Ind Cylinder c/w 50 Ltr Buffer - Slimline	300	TSMI300/50/HP/SL/PREP
TSMI150/50/HP/PREP/C	Tempest Ind Cylinder c/w Int Buffer - Splan	150	TSMI150/50/HP/PREP/
TSMI170/50/HP/PREP/C	Tempest Ind Cylinder c/w Int Buffer - Splan	170	TSMI150/50/HP/PREP/
TSMI200/50/HP/PREP/C	Tempest Ind Cylinder c/w Int Buffer - Splan	200	TSMI150/50/HP/PREP/
TSMI250/50/HP/PREP/C	Tempest Ind Cylinder c/w Int Buffer - Splan	250	TSMI150/50/HP/PREP/
TSMI300/50/HP/PREP/C	Tempest Ind Cylinder c/w Int Buffer - Splan	300	TSMI150/50/HP/PREP/
0020237129	Vaillant uniSTOR Cylinder (slimline)	150	0020237129
0020237130	Vaillant uniSTOR Cylinder	200	0020237130
0020237131	Vaillant uniSTOR Cylinder	250	0020237131
0020237132	Vaillant uniSTOR Cylinder	300	0020237132

INTERMEDIATE/VOLUMISER TANK

SBS Code	Brand	Litre	MPN
AD0093300012	Advantay	12	93300012
AD0093300018	Advantay	18	93300018
AD0093300024	Advantay	24	93300024
AD0093300035	Advantay	35	93300035
AD0093300050	Advantay	50	93300050
ALTSXVI0005	Altecnic	5	SX-VI0005
ALTSXVI0008	Altecnic	8	SX-VI0008
ALTSXVI0012	Altecnic	12	SX-VI0012
ALTSXVI0018	Altecnic	18	SX-VI0018
ALTSXVI0024	Altecnic	24	SX-VI0024
ALTSXVI0035	Altecnic	35	SX-VI0035
ALTSXVI0050	Altecnic	50	SX-VI0050
INT10000512	Inta	5	10000512
INT10000837	Inta	8	10000837
INT10001216	Inta	12	10001216
INT10001836	Inta	18	10001836
INT10003510	Inta	35	10003510
INT10005022	Inta	50	10005022

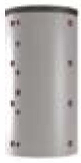
HEAT PUMPS

Cylinders & Tanks

HOT WATER STORAGE

SBS Code	Description	Litre	MPN
SB.EKHWSU150/EKEXP	Daikin Hot Water Cylinder	150	SB.EKHWSU150/EKEXP
SB.EKHWSU180/EKEXP	Daikin Hot Water Cylinder	180	SB.EKHWSU180/EKEXP
SB.EKHWSU200/EKEXP	Daikin Hot Water Cylinder	200	SB.EKHWSU200/EKEXP
SB.EKHWSU250/EKEXP	Daikin Hot Water Cylinder	250	SB.EKHWSU250/EKEXP
SB.EKHWSU300/EKEXP	Daikin Hot Water Cylinder	300	SB.EKHWSU300/EKEXP
EKHWP300PB	Daikin Thermal Store	300	EKHWP300PB
EKHWP500PB	Daikin Thermal Store	500	EKHWP500PB
GLEPLUHP180SOV	Gledhill SL Plus Sol EE OV	180	PLUHP180SOV
GLEPLUHP210SOV	Gledhill SL Plus Sol EE OV	210	PLUHP210SOV
GLEPLUHP250SOV	Gledhill SL Plus Sol EE OV	250	PLUHP250SOV
GLEPLUHP300SOV	Gledhill SL Plus Sol EE OV	300	PLUHP300SOV
GLEPLUHP400SOV	Gledhill SL Plus Sol EE OV	400	PLUHP400SOV
GLEDPLUHP180S	Gledhill SL Plus Sol EE UV	180	PLUHP180S
GLEDPLUHP210S	Gledhill SL Plus Sol EE UV	210	PLUHP210S
GLEDPLUHP250S	Gledhill SL Plus Sol EE UV	250	PLUHP250S
GLEDPLUHP300S	Gledhill SL Plus Sol EE UV	300	PLUHP300S
GLEDPLUHP400S	Gledhill SL Plus Sol EE UV	400	PLUHP400S
GLEPLUHP180SLOV	Gledhill SL Plus Slim EE OV	180	PLUHP180SLOV
GLEPLUHP210SLOV	Gledhill SL Plus Slim EE OV	210	PLUHP210SLOV
GLEDPLUHP180SL	Gledhill SL Plus Slim EE UV	180	PLUHP180SL
GLEDPLUHP210SL	Gledhill SL Plus Slim EE UV	210	PLUHP210SL
GLEDPLUHP180	Gledhill SL Plus 2.5 SQM EE	180	PLUHP180
GLEDPLUHP210	Gledhill SL Plus 3 SQM EE	210	PLUHP210
GLEDPLUHP250	Gledhill SL Plus 3 SQM EE	250	PLUHP250
GLEDPLUHP300	Gledhill SL Plus 3 SQM EE	300	PLUHP300
GLEDPLUHP400	Gledhill SL Plus 4 SQM EE	400	PLUHP400
GLEPLUHP200DUO	Gledhill SL Plus DUO	200	PLUHP200DUO
GLEPLUHP300DUO	Gledhill SL Plus DUO	300	PLUHP300DUO
TSMI150HP	Tempest Ind Cylinder	150	TSMI150HP
TSMI170HP	Tempest Ind Cylinder	170	TSMI170HP
TSMI200HP	Tempest Ind Cylinder	200	TSMI200HP
TSMI250HP	Tempest Ind Cylinder	250	TSMI250HP
TSMI300HP	Tempest Ind Cylinder	300	TSMI300HP
TSMI150HP/SL	Tempest Ind Cylinder Slimline	150	TSMI150HP/SL
TSMI170HP/SL	Tempest Ind Cylinder Slimline	170	TSMI170HP/SL
TSMI200HP/SL	Tempest Ind Cylinder Slimline	200	TSMI200HP/SL
TSMI250HP/SL	Tempest Ind Cylinder Slimline	250	TSMI250HP/SL
TSMI300HP/SL	Tempest Ind Cylinder Slimline	300	TSMI300HP/SL
0020235271	Vaillant uniSTOR Cylinder (non-plumbed)	150	0020235271
0020235272	Vaillant uniSTOR Cylinder (non-plumbed)	200	0020235272
0020235273	Vaillant uniSTOR Cylinder (non-plumbed)	250	0020235273
0020235274	Vaillant uniSTOR Cylinder (non-plumbed)	300	0020235274
0010019228	Vaillant uniSTOR Cylinder (non-plumbed)	500	0010019228
0010019229	Vaillant uniSTOR Cylinder (non-plumbed)	800	0010019229
0010019234	Vaillant auroSTOR Cylinder (non-plumbed)	500	0010019234

BUFFER TANK



SBS Code	Description	Litre	MPN
ADACF-24P	Advantay Buffer Tank - Wall Hung	24	ACF-24P
ADACF-35P	Advantay Buffer Tank - Wall Hung	35	ACF-35P
ADACF-50P	Advantay Buffer Tank - Wall Hung	50	ACF-50P
ADACF-50V	Advantay Buffer Tank - Floor Standing	50	ACF-50V
ADACF-100P	Advantay Buffer Tank - Wall Hung	100	ACF-100P
ADACF-100V	Advantay Buffer Tank - Floor Standing	100	ACF-100V
ALT569008	Altecnic Series 569	8	569008
ALT569012	Altecnic Series 569	12	569012
ALT569025	Altecnic Series 569	25	569025
ALT569050	Altecnic Series 569	50	569050
ALT569080	Altecnic Series 569	80	569080
ALT569100	Altecnic Series 569	100	569100
ALTBV500C	Altecnic Series BV - 6 bar	500	BV500C
ALTBV800E	Altecnic Series BV - 6 bar	800	BV800E
ALTBV1000E	Altecnic Series BV - 6 bar	1000	BV1000E
ALTBV1500E	Altecnic Series BV - 6 bar	1500	BV1500E
ALTBV2000E	Altecnic Series BV - 6 bar	2000	BV2000E
ALTBV3000E	Altecnic Series BV - 6 bar	3000	BV3000E
ALTBV5000E	Altecnic Series BV - 6 bar	5000	BV5000E
UK.INBUFFER/10L	Daikin Buffer Vessel	10	UK.INBUFFER/10L
UK.INBUFFER/20L	Daikin Buffer Vessel	20	UK.INBUFFER/20L
ECOAH520363	Ideal ECOMOD 0F SM1	500	AH520363
ECOAH520364	Ideal ECOMOD 3F SM1	500	AH520364
ECOAH520365	Ideal ECOMOD 2F SM1	900	AH520365
ECOAH520366	Ideal ECOMOD 2F SM1	1500	AH520366
INTBUFF25	Inta Buffer Vessel	25	BUFF25
INTBUFF50	Inta Buffer Vessel	50	BUFF50
INTBUFF80	Inta Buffer Vessel	80	BUFF80
INTBUFF100	Inta Buffer Vessel	100	BUFF100

JUNIPER HEAT PUMP WATER HEATERS

SBS Code	Refrigerant	Litre	Connection	Weight (kg)
JNHP200PLUS-L	R290	200	Left Hand	72
JNHP200PLUS-R	R290	200	Right Hand	72
JNHP300PLUS-L	R290	300	Left Hand	87
JNHP300PLUS-R	R290	300	Right Hand	87

* 50kW AW290 ASHP also available through SBS. It uses R290 refrigerant, is capable of A+++ energy & has a COP rating up to 4.4

THERMOMETER

SBS Code	Description
63120H	100mm dial, 1/2" BSP back entry (60mm)
100120H	100mm dial, 1/2" BSP back entry (100mm)
63120V	100mm dial, 1/2" BSP bottom entry (60mm)
100120V	100mm dial, 1/2" BSP bottom entry (100mm)

HEAT PUMPS

Valves

BALL VALVE - COMPRESSION (WRAS APPROVED)

SBS Code	Description	Handle Colour	Size	Working Temp Range (°C)	Max Pressure (Bar)
CORE800015	CORE800 Lever Valve	Blue	15mm	-10 to +110	25
CORE800022	CORE800 Lever Valve	Blue	22mm	-10 to +110	25
CORE800028	CORE800 Lever Valve	Blue	28mm	-10 to +110	25
CORE800035	CORE800 Lever Valve	Blue	35mm	-10 to +110	25
CORE800R015	CORE800 Lever Valve	Red	15mm	-10 to +110	25
CORE800R022	CORE800 Lever Valve	Red	22mm	-10 to +110	25
CORE800R028	CORE800 Lever Valve	Red	28mm	-10 to +110	25
CORE800R035	CORE800 Lever Valve	Red	35mm	-10 to +110	25
ALT333500	Altecnic Ballstop - Butterfly Handle (F x Swivel BSP) - No WRAS, KIWA only (Reg 4)	Black	3/4"	+90 (Max)	16
ALT334500	Altecnic Ballstop - Butterfly Handle (M x Swivel BSP) - No WRAS, KIWA only (Reg 4)	Black	3/4"	+90 (Max)	16

EXTENDED STEM BALL VALVE (WRAS APPROVED)

SBS Code	Description	Connection	Handle Colour	Size	Working Temp Range (°C)	Max Pressure (Bar)
CORE750EXTB015	CORE750 Lever Valve	Screwed BSP	Blue	1/2"	-20 to +140	40
CORE750EXTB020	CORE750 Lever Valve	Screwed BSP	Blue	3/4"	-20 to +140	40
CORE750EXTB025	CORE750 Lever Valve	Screwed BSP	Blue	1"	-20 to +140	40
CORE750EXTB032	CORE750 Lever Valve	Screwed BSP	Blue	1 1/4"	-20 to +140	40
CORE750EXTB040	CORE750 Lever Valve	Screwed BSP	Blue	1 1/2"	-20 to +140	40
CORE750EXTB050	CORE750 Lever Valve	Screwed BSP	Blue	2"	-20 to +140	40
CORE750EXTR015	CORE750 Lever Valve	Screwed BSP	Red	1/2"	-20 to +140	40
CORE750EXTR020	CORE750 Lever Valve	Screwed BSP	Red	3/4"	-20 to +140	40
CORE750EXTR025	CORE750 Lever Valve	Screwed BSP	Red	1"	-20 to +140	40
CORE750EXTR032	CORE750 Lever Valve	Screwed BSP	Red	1 1/4"	-20 to +140	40
CORE750EXTR040	CORE750 Lever Valve	Screwed BSP	Red	1 1/2"	-20 to +140	40
CORE750EXTR050	CORE750 Lever Valve	Screwed BSP	Red	2"	-20 to +140	40
ALTAI373B15E	Altecnic Intaball Valve - Lever Handle	Compression	Blue	15mm	-20 to +99	25
ALTAI373B22E	Altecnic Intaball Valve - Lever Handle	Compression	Blue	22mm	-20 to +99	25
ALTAI373B28E	Altecnic Intaball Valve - Lever Handle	Compression	Blue	28mm	-20 to +99	25
ALTAI373R15E	Altecnic Intaball Valve - Lever Handle	Compression	Red	15mm	-20 to +99	25
ALTAI373R22E	Altecnic Intaball Valve - Lever Handle	Compression	Red	22mm	-20 to +99	25
ALTAI373R28E	Altecnic Intaball Valve - Lever Handle	Compression	Red	28mm	-20 to +99	25
INTHPBV11	Inta Spindle Lever Ball Valve - Swivel (Female to Male)	HPBV11	Black	1" (F x M)	-10 to +90	25
INTHPBV11FS	Inta Lever Ball Valve - Swivel	HPBV11FS	Black	1" (F)	-10 to +90	25
INTHPBV114	Inta Spindle Lever Ball Valve - Swivel (Female to Male)	HPBV114	Black	1 1/4" (F) x 1" (M)	-10 to +90	25
INTHPBV114X2	Inta Spindle Lever Ball Valve - Swivel (Female to Male)	HPBV114X2	Black	1 1/4" (F x M)	-10 to +90	25
INTHPBV28	Inta Lever Ball Valve - Swivel	HPBV28	Black	1" (F) x 28mm	-10 to +90	25
INTHPBV35	Inta Lever Ball Valve - Swivel	HPBV35	Black	1 1/4" (F) x 35mm	-10 to +90	25

FILTER BALL VALVE - BSP F X F (WRAS APPROVED)

SBS Code	Description	Handle Colour	Size	Max Pressure (Bar)	MPN
ALT1246003CST	Altecnic Lever handle Ball Valve - Brass Body	Black	1/2"	30	124-6003 CST
ALT1246004CST	Altecnic Lever handle Ball Valve - Brass Body	Black	3/4"	30	124-6004 CST
ALT1246005CST	Altecnic Lever handle Ball Valve - Brass Body	Black	1"	30	124-6005 CST
ALT1246006CST	Altecnic Lever handle Ball Valve - Brass Body	Black	1 1/4"	20	124-6006 CST
ALT1246007CST	Altecnic Lever handle Ball Valve - Brass Body	Black	1 1/2"	20	124-6007 CST
ALT1246008CST	Altecnic Lever handle Ball Valve - Brass Body	Black	2"	20	124-6008 CST
ALT1246111CST	Altecnic Butterfly handle Ball Valve - No Magnet brass body	Red	22mm	16	124-6111 CST
ALT1246112CST	Altecnic Butterfly handle Ball Valve - No Magnet brass body	Red	28mm	16	124-6112 CST
ALT1246101CST	Altecnic Butterfly handle Ball Valve - with Magnet brass body	Red	22mm	16	124-6101 CST
ALT1246102CST	Altecnic Butterfly handle Ball Valve - with Magnet brass body	Red	28mm	16	124-6102 CST
INTBVF28	Inta Brass Body Lever Ball Valve c/w 500 Micron Filter Cartridge	Black	28mm	25	BVF28
INTBVF35	Inta Brass Body Lever Ball Valve c/w 500 Micron Filter Cartridge	Black	35mm	25	BVF35

HEAT PUMPS
Valves

ANTI-FREEZE VALVE

SBS Code	Description	Size	MPN
ALT108601	Altecnic - Brass Body (0-65°C temp range)	1"	108601
ALT108701	Altecnic - Brass Body (0-65°C temp range)	1 1/4"	108701
ALT108801	Altecnic - Brass Body (0-65°C temp range)	1 1/2"	108801
ALT108301	Altecnic - Brass Body (0-65°C temp range)	28mm	108301
ALT108611	Altecnic - Brass Body (0-65°C temp range) - c/w air sensor	1"	108611
ALT108711	Altecnic - Brass Body (0-65°C temp range) - c/w air sensor	1 1/4"	108711
ALT108202	Altecnic - HT Brass Body (0-90°C temp range)	22mm	108202
ALT108302	Altecnic - HT Brass Body (0-90°C temp range)	28mm	108302
ALT108602	Altecnic - HT Brass Body (0-90°C temp range)	1"	108602
ALT108702	Altecnic - HT Brass Body (0-90°C temp range)	1 1/4"	108702
ALT108802	Altecnic - HT Brass Body (0-90°C temp range)	1 1/2"	108802
ALT108632	Altecnic - HT Swivel Brass Body (0-90°C temp range)	1"	108632
ALT108322	Altecnic - HT Compact Brass Body (0-90°C temp range)	28mm	108322
ALT108622	Altecnic - HT Compact Brass Body (0-90°C temp range)	1"	108622
INTZERO1SW	Inta Zero - Swivel (Male to Female)	1"	ZERO1SW
INTZERO14SW	Inta Zero - Swivel (Male to Female)	1 1/4"	ZERO14SW
INTZERO001	Inta Zero	1"	ZERO001
INTZERO114	Inta Zero	1 1/4"	ZERO114
INTZERO28	Inta Zero	28mm	ZERO28
INTZERO35	Inta Zero	35mm	ZERO35
INTZEROGUARD	Inta Anti-Freeze Valve Protecter	n/a	ZEROGUARD
FERNOX62665	Fernox TF1	1 1/4"	62665
FERNOX62664	Fernox TF1	28mm	62664

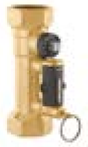
FILL & FLUSH VALVE

SBS Code	Description	Size (mm)	MPN
ALT1241501	Altecnic	22	124-1501
ALT1241502	Altecnic	28	124-1502
INTINFAF22	Inta	22	INFAF22
INFAF28	Inta	28	INFAF28

BY-PASS VALVES

SBS Code	Description	Size	MPN
ADV5510022	Advantay Auto Bypass Valve	22mm	ADV5510022
AD0055400034	Advantay Auto Bypass Valve	3/4"	55400034
AD0055400114	Advantay Auto Bypass Valve	1 1/4"	55400114
ALT518002	Altecnic Series 518 - Ecopas Compression Differential Bypass Valve - (10 - 60 Kpa) - Angled	22mm	518002
ALT518015	Altecnic Series 518 - Ecopas BSP Differential Bypass Valve - (10 - 60 Kpa) - Straight	3/4" (M x M)	518015
ALT518500	Altecnic Series 518 - Ecopas BSP Differential Bypass Valve - (10 - 60 Kpa) - Angled	3/4" (F x M)	518500
ALT519500	Altecnic Series 519 - Ecopas BSP Differential Bypass Valve (10 - 60 Kpa) - Angled	3/4" (F x M)	519500
ALT519700	Altecnic Series 519 - Ecopas BSP Differential Bypass Valve (10 - 60 Kpa) - Angled	1 1/4" (F x M)	519700
ALT519504	Altecnic Series 519 - Ecopas BSP Differential Bypass Valve (100 - 400 Kpa) - Angled	3/4" (F x M)	519504
ALT519703	Altecnic Series 519 - Ecopas BSP Differential Bypass Valve (100 - 400 Kpa) - Angled	1 1/4" (F x M)	519703
INTABPA28CP	Inta Auto By-pass valve - Angled	28mm	ABPA28CP
INTABPS28CP	Inta Auto By-pass valve - Straight	28mm	ABPS28CP

BALANCING VALVE



SBS Code	Description	Size	MPN
ALT132402	Altecnic Balancing Valve with Flow Meter	1/2"	132402
ALT132512	Altecnic Balancing Valve with Flow Meter	3/4"	132512
ALT132602	Altecnic Balancing Valve with Flow Meter	1	132602
ALT132702	Altecnic Balancing Valve with Flow Meter	1 1/4"	132702
ALT132802	Altecnic Balancing Valve with Flow Meter	1 1/2"	132802
ALT132902	Altecnic Balancing Valve with Flow Meter	2"	132902
INTINFSV2840	Inta Flow Balancing Valve (5-40 Ltr)	28mm	INFSV2840
INTINFSV2850	Inta Flow Balancing Valve (10-50 Ltr)	28mm	INFSV2850
INTINFBV28	Inta Flow Balancing Valve with Fill And Flush (5-40 Ltr)	28mm	INFBV28
INTINFBV2850	Inta Flow Balancing Valve with Fill And Flush (10-50 Ltr)	28mm	INFBV2850

HEAT PUMPS
System Control & Pressurisation

AAV & DEAERATOR

SBS Code	Description	Size	MPN
AD0050800012	CORE 508 Auto Air Vent c/w Check Valve (up to 10 bar & 110°C)	1/2"	N/A
ALT551602	Altecnic 5516 Series - Caleffi HED High Efficiency Deaerator	22mm	551602
ALT551603	Altecnic 5516 Series - Caleffi HED High Efficiency Deaerator	28mm	551603
ALT551606	Altecnic 5516 Series - Caleffi HED High Efficiency Deaerator	1"	551606
ALT551607	Altecnic 5516 Series - Caleffi HED High Efficiency Deaerator	1 1/4"	551607
SPIROAA125	Spirovent Horizontal Deaerator	1 1/4"	AA125
INTAAV07911500B	Inta Brass Auto Air Vent	15mm	AAV07911500B
INTIV22	Inta Vent Auto Air Eliminator	22mm	IV22
INTIV28	Inta Vent Auto Air Eliminator	28mm	IV28

AIR/DIRT SEPARATORS & MAGNETIC FILTERS

SBS Code	Description	Size	MPN
ALT577200	Altecnic - Caleffi XF	22mm	577200
ALT577300	Altecnic - Caleffi XF	28mm	577300
ALT577500	Altecnic - Caleffi XF	3/4"	577500
ALT577600	Altecnic - Caleffi XF	1"	577600
ALT577700	Altecnic - Caleffi XF	1 1/4"	577700
ALT577800	Altecnic - Caleffi XF	1 1/2"	577800
ALT577900	Altecnic - Caleffi XF	2"	577900
ALTCBN577500	Insulation for XF unit	Up to 1 1/4”	CBN577500
ALTCBN577800	Insulation for XF unit (1.1/2" & 2" only)	1 1/2" & 2" models only	CBN577800
INTIK2MF22	IntaKlean 2	22mm	IK2MF22
INTIK2MF28	IntaKlean 2	28mm	IK2MF28
FERNOX62614	Fernox TF1 Sigma Filter	22mm	62614
FERNOX62615	Fernox TF1 Sigma Filter	28mm	62615
FERNOX62641	Fernox TF1 Complete System Filter	22mm	62641
FERNOX62736	Fernox TF1 Complete System Filter	28mm	62736

STRAINER

SBS Code	Description	Size
ALTAI397115	Altecnic Intaball Combi isolating valve with strainer (no drain port) - Compression	15mm
ALTAI397122	Altecnic Intaball Combi isolating valve with strainer (no drain port) - Compression	22mm
ALTAI397004	Altecnic Intaball Combi isolating valve with strainer (no drain port) - FxF (BSP)	1/2"
ALTAI397104	Altecnic Intaball Combi isolating valve with strainer (no drain port) - FxF (BSP)	3/4"
ALTAI397204	Altecnic Intaball Combi isolating valve with strainer (no drain port) - FxF (BSP)	1"
ALTAI401005	Altecnic Intaball Combi isolating valve with strainer (no drain port) - F (BSP) x Swivel	1/2" x 3/4"
ALTAI395115	Altecnic Intaball Combi isolating valve with strainer (with drain port) - Compression	15mm
ALTAI395004	Altecnic Intaball Combi isolating valve with strainer (with drain port) - FxF (BSP	1/2"
ALTAI395104	Altecnic Intaball Combi isolating valve with strainer (with drain port) - FxF (BSP)	3/4"
SBS2000015	Brass Y Strainer	1/2”
SBS2000020	Brass Y Strainer	3/4”
SBS2000025	Brass Y Strainer	1”
SBS2000032	Brass Y Strainer	1 1/4”
SBS2000040	Brass Y Strainer	1 1/2”
SBS2000050	Brass Y Strainer	2”
SB807015	Brass Y Strainer	15mm
SB807022	Brass Y Strainer	22mm

HEAT PUMPS
System Control & Pressurisation

NITROGEN FILLED EXPANSION VESSELS (HEATING)

SBS Code	Description	Litre	Working Temp Range (°C)	Max Pressure (Bar)
CHV8L	CORE Heating Expansion Vessel	8	-10°C to 70	6
CHVH12L	CORE Heating Expansion Vessel	12	-10°C to 70	6
CHV18L	CORE Heating Expansion Vessel	18	-10°C to 70	6
CHV25L	CORE Heating Expansion Vessel	25	-10°C to 70	6
CHV35L	CORE Heating Expansion Vessel	35	-10°C to 70	6
CHV50L	CORE Heating Expansion Vessel	50	-10°C to 70	6
CHV80L	CORE Heating Expansion Vessel	80	-10°C to 70	6
CHV100L	CORE Heating Expansion Vessel	100	-10°C to 70	6

Note: Between 35 - 100L come with feet

POTABLE EXPANSION VESSELS (WRAS APPROVED)

SBS Code	Description	Litre	Working Temp Range (°C)	Max Pressure (Bar)
CPV8L	CORE Potable Expansion Vessel	8	-10°C to 100	10
CPV12L	CORE Potable Expansion Vessel	12	-10°C to 100	10
CPV18L	CORE Potable Expansion Vessel	18	-10°C to 100	10
CPV25L	CORE Potable Expansion Vessel	25	-10°C to 100	10
CPV35L	CORE Potable Expansion Vessel	35	-10°C to 100	10
CPV50L	CORE Potable Expansion Vessel	50	-10°C to 100	10
CPV80L	CORE Potable Expansion Vessel	80	-10°C to 100	10
CPV100L	CORE Potable Expansion Vessel	100	-10°C to 100	10

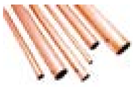
Note: Between 35 - 100L come with feet

SEALED SYSTEM KITS (WRAS APPROVED)

SBS Code	Description	Litre	MPN
ALTCA900008	Altecnic Robokit c/w Vessel - Wall Mounted	8	CA-900008
ALTCA900012	Altecnic Robokit c/w Vessel - Wall Mounted	12	CA-900012
ALTCA900018	Altecnic Robokit c/w Vessel - Wall Mounted	18	CA-900018
ALTCA900024	Altecnic Robokit c/w Vessel - Wall Mounted	25	CA-900024
ALTCA900035	Altecnic Robokit c/w Vessel - Floor Standing	35	CA-900035
ALTCA900050CP	Altecnic Robokit c/w Vessel - Floor Standing	50	CA-900050CP
INTIFP8	Intafil Plus c/w Vessel - Wall Mounted	8	IFP12
INTIFP12	Intafil Plus c/w Vessel - Wall Mounted	12	IFP12
INTIFP18	Intafil Plus c/w Vessel - Wall Mounted	18	IFP18
INTIFP24	Intafil Plus c/w Vessel - Wall Mounted	24	IFP24
INTIFP35	Intafil Plus c/w Vessel - Floor Standing	35	IFP35
INTIFP50	Intafil Plus c/w Vessel - Floor Standing	50	IFP50
FL015	15nb Filling Loop		
ALTCA300606	Altecnic Ecofil Plus Filling Loop (G24 Approved)		
ALT-ST0035	Altecnic Remote Filling Loop - c/w gauge		

HEAT PUMPS
Pipework & Insulation

COPPER TUBE



SBS Code	Description	Size (mm)	Metres	Type
CUT0153M	Copper Tube To EN1057	15	3	Straight Length
CUT0223M	Copper Tube To EN1057	22	3	Straight Length
CUT0283M	Copper Tube To EN1057	28	3	Straight Length
CUT0353M	Copper Tube To EN1057	35	3	Straight Length
CUT0156M	Copper Tube To EN1057	15	6	Straight Length
CUT0226M	Copper Tube To EN1057	22	6	Straight Length
CUT0286M	Copper Tube To EN1057	28	6	Straight Length

INSULATION COILS - 15M BAGS

SBS Code	Brand	Pipe Size (mm)	Wall Thickness (mm)
ARM015009BAG	Armaflex Evo	15	9
ARM015013BAG	Armaflex Evo	15	13
ARM020009BAG	Armaflex Evo	20	9
ARM020013BAG	Armaflex Evo	20	13
ARM022009BAG	Armaflex Evo	22	9
ARM022013BAG	Armaflex Evo	22	13
ARM028009BAG	Armaflex Evo	28	9
ARM028013BAG	Armaflex Evo	28	13
KAI015009BAG	Kaimann	15	9
KAI015013BAG	Kaimann	15	13
KAI022009BAG	Kaimann	22	9
KAI022013BAG	Kaimann	22	13
KAI028009BAG	Kaimann	28	9
KAI028013BAG	Kaimann	28	13

SELF-SEAL INSULATION - 2M LENGTHS

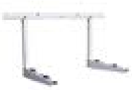
SBS Code	Brand	Pipe Size (mm)	Wall Thickness (mm)	M per Box
ARM015009SS	Armaflex Evo	15	9	200
ARM015013SS	Armaflex Evo	15	13	122
ARM015019SS	Armaflex Evo	15	19	72
ARM015025SS	Armaflex Evo	15	25	48
ARM020009SS	Armaflex Evo	20	9	156
ARM020019SS	Armaflex Evo	20	19	70
ARM022009SS	Armaflex Evo	22	9	140
ARM022013SS	Armaflex Evo	22	13	100
ARM022019SS	Armaflex Evo	22	19	56
ARM022025SS	Armaflex Evo	22	25	40
ARM028009SS	Armaflex Evo	28	9	98
ARM028013SS	Armaflex Evo	28	13	82
ARM028019SS	Armaflex Evo	28	19	48
ARM028025SS	Armaflex Evo	28	25	36
ARM035009SS	Armaflex Evo	35	9	76
ARM035013SS	Armaflex Evo	35	13	60
ARM035019SS	Armaflex Evo	35	19	36
ARM035025SS	Armaflex Evo	35	25	24
KAI015009SS	Kaimann	15	9	224
KAI015013SS	Kaimann	15	13	144
KAI015019SS	Kaimann	15	19	80
KAI015025SS	Kaimann	15	25	56
KAI022009SS	Kaimann	22	9	156
KAI022013SS	Kaimann	22	13	108
KAI022019SS	Kaimann	22	19	72
KAI022025SS	Kaimann	22	25	42
KAI028009SS	Kaimann	28	9	124
KAI028013SS	Kaimann	28	13	84
KAI028019SS	Kaimann	28	19	56
KAI028025SS	Kaimann	28	25	40
KAI035009SS	Kaimann	35	9	92
KAI035013SS	Kaimann	35	13	76
KAI035019SS	Kaimann	35	19	48
KAI035025SS	Kaimann	35	25	32

UNSLIT INSULATION - 2M LENGTHS

SBS Code	Brand	Pipe Size (mm)	Wall Thickness (mm)	M per Box
ARM015009	Armaflex Evo	15	9	200
ARM015013	Armaflex Evo	15	13	122
ARM015019	Armaflex Evo	15	19	72
ARM015025	Armaflex Evo	15	25	48
ARM020009	Armaflex Evo	20	9	140
ARM020013	Armaflex Evo	20	13	104
ARM020019	Armaflex Evo	20	19	58
ARM022009	Armaflex Evo	22	9	140
ARM022013	Armaflex Evo	22	13	100
ARM022019	Armaflex Evo	22	19	56
ARM022025	Armaflex Evo	22	25	40
ARM028009	Armaflex Evo	28	9	98
ARM028013	Armaflex Evo	28	13	82
ARM028019	Armaflex Evo	28	19	48
ARM028025	Armaflex Evo	28	25	36
ARM035009	Armaflex Evo	35	9	76
ARM035013	Armaflex Evo	35	13	60
ARM035019	Armaflex Evo	35	19	36
ARM035025	Armaflex Evo	35	25	24
KAI015009	Kaimann	15	9	224
KAI015013	Kaimann	15	13	144
KAI015019	Kaimann	15	19	80
KAI015025	Kaimann	15	25	56
KAI015032	Kaimann	15	32	32
KAI022009	Kaimann	22	9	156
KAI022013	Kaimann	22	13	108
KAI022019	Kaimann	22	19	72
KAI022025	Kaimann	22	25	42
KAI022032	Kaimann	22	32	32
KAI028009	Kaimann	28	9	124
KAI028013	Kaimann	28	13	84
KAI028019	Kaimann	28	19	56
KAI028025	Kaimann	28	25	40
KAI028032	Kaimann	28	32	24
KAI035009	Kaimann	35	9	92
KAI035013	Kaimann	35	13	76
KAI035019	Kaimann	35	19	48
KAI035025	Kaimann	35	25	32
KAI035032	Kaimann	35	32	24

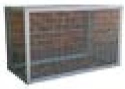
HEAT PUMPS
Mounting & Protection

BRACKETS



SBS Code	Description	Crossbar (mm)	Support Arm (mm)	Max Load (kg)
ACCBR2L	Type 2 L Bracket - 2 Arms	1040	540	140
ACCBR2XL	Type 2 XL Bracket - 2 Arms	1040	660	250
ACCBR2XXL3ABL	Type 2 XL Bracket - 3 Arms - Black	1040	660	500
ACCBR2XXL3ABLDA	Type 2 XXL Bracket - 3 Arms - Black	1120	780	400

GUARDS & COLLECTION TRAYS



SBS Code	Description	Dimensions (mm)
ACCCTM1300	Heavy Duty - Metal	1300 x 550 x 25
ACCCTM1420BL	Heavy Duty - Black	1400 x 500 x 25
ACCG750M	ASHP Guard Medium	1150 x 1150 x 750
ACCG750L	ASHP Guard Large	1450 x 1150 x 750
ACCG900XXL	ASHP Guard - XXL	1800 x 1450 x 900
ACCG900LSQ	ASHP Guard - Square	1450 x 1450 x 900
ACCG750LINVWOOD	Wooden ASHP Guard - Inverted	1130 x 1630 x 865
ACCG750LINV	ASHP Guard - Inverted	1150 x 1450 x 750
ACCG900LINV	ASHP Guard - Inverted	1150 x 1450 x 900

MOUNTING

SBS Code	Description	Feet Length (mm)	Height (mm)
SFFX250	Rubber Foot With Strut	250	95
SFFX400	Rubber Foot With Strut	400	95
SFFX600	Rubber Foot With Strut	600	95
SFFX1000	Rubber Foot With Strut	1000	95
SFHKF305	H-Frame Kit (Strut Not Included)	305	n/a
SFHKF500	H-Frame Kit (Strut Not Included)	500	n/a
SF1560	Rubber Foot	600	150
SF1566	Rubber Feet Kit (2 feet & 4 stud nuts)	600	150
SF15663	Rubber Feet Kit (3 feet & 6 stud nuts)	600	150
ACFFUC3	Flexi-Lite Slab Kit - 1200mm wide	600	175
ACFFUC3XL	Flexi-Lite Slab Kit - 1650mm wide	865	175
ACFFFIXPACK	Components (Spring Nuts) to secure units to feet	n/a	n/a
ACFFFIX2	Components (T-Bolts) to secure units to feet	n/a	n/a

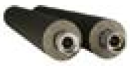
ASHP TRUNKING

SBS Code	Description	Size (mm)	Colour
ACTRD140B	2m Straight Length	140	Black
ACTRD140	2m Straight Length	140	Ivory
ACTRFB140B	90 Degree Flat Bend	140	Black
ACTRFB140	90 Degree Flat Bend	140	Ivory
ACTRCP140B	Connection Piece	140	Black
ACTRCP140	Connection Piece	140	Ivory
ACTRWC140B	Wall Cover	140	Black
ACTRWC140	Wall Cover	140	Ivory
ACTRIC140B	Internal Bend	140	Black
ACTREC140	External Corner	140	Black
ACTWKIT	Through Wall Insulation Kit (19mm wall thickness)		Black

HEAT PUMPS

Consumables

HOSE

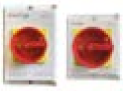


SBS Code	Description	Connection size (mm)	Connection size (inch)	Hose Length (mm)	MPN
ALT1283605	Altecnic Hose c/w insulation - Straight (pair)	28	1"	300	128-3605
ALT1283603	Altecnic Hose c/w insulation - Straight (pair)	28	1"	500	128-3603
ALT1283601	Altecnic Hose c/w insulation - Straight (pair)	28	1"	750	128-3601
ALT1283611	Altecnic Hose c/w insulation - Straight (pair)	35	1 1/4"	300	128-3611
ALT1283609	Altecnic Hose c/w insulation - Straight (pair)	35	1 1/4"	500	128-3609
ALT1283607	Altecnic Hose c/w insulation - Straight (pair)	35	1 1/4"	750	128-3607
ALT1283606	Altecnic Hose c/w insulation - Angled (pair)	28	1"	300	128-3606
ALT1283604	Altecnic Hose c/w insulation - Angled (pair)	28	1"	500	128-3604
ALT1283602	Altecnic Hose c/w insulation - Angled (pair)	28	1"	750	128-3602
ALT1283612	Altecnic Hose c/w insulation - Angled (pair)	35	1 1/4"	300	128-3612
ALT1283610	Altecnic Hose c/w insulation - Angled (pair)	35	1 1/4"	500	128-3610
ALT1283608	Altecnic Hose c/w insulation - Angled (pair)	35	1 1/4"	750	128-3608
ACFH50022F	DiversiTech Hose c/w insulation - Straight (pair)	28	1"	500	FH50022F
ACFH50028F	DiversiTech Hose c/w insulation - Straight (pair)	28	1"	500	FH50028F
ACFH75028F	DiversiTech Hose c/w insulation - Straight (pair)	28	1"	750	FH75028F
ACFH7502811/4F	DiversiTech Hose c/w insulation - Straight (pair)	28	1 1/4"	750	FH7502811/4F
ACFH30028FELBOW	DiversiTech Hose c/w insulation - Angled (pair)	28	1"	300	FH30028FELBOW
ACFH3002811/4ELB	DiversiTech Hose c/w insulation - Angled (pair)	28	1 1/4"	300	FH3002811/4ELB
ACFH75028FELBOW	DiversiTech Hose c/w insulation - Angled (pair)	28	1"	750	FH75028FELBOW
INTHPHOSE500	Inta Pre-Insulated Hose - Straight (pair)	28	1"	500	HPHOSE500
INTHPHOSE750	Inta Pre-Insulated Hose - Straight (pair)	28	1"	750	HPHOSE750
INTHPHOSE50035	Inta Pre-Insulated Hose - Straight (pair)	35	1 1/4"	500	HPHOSE50035
INTHPHOSE75035	Inta Pre-Insulated Hose - Straight (pair)	35	1 1/4"	750	HPHOSE75035
INTHPHOSE500B	Inta Pre-Insulated Hose - Angled (pair)	28	1"	500	HPHOSE500B
INTHPHOSE750B	Inta Pre-Insulated Hose - Angled (pair)	28	1"	750	HPHOSE750B
INTHPHOSE50035B	Inta Pre-Insulated Hose - Angled (pair)	35	1 1/4"	500	HPHOSE50035B
INTHPHOSE75035B	Inta Pre-Insulated Hose - Angled (pair)	35	1 1/4"	750	HPHOSE75035B

NITRATE-FREE CHEMICALS (SAFE TO FLUSH)

SBS Code	Description	Litre
COREINHIB5L	Inhibitor	5
COREINHIB10L	Inhibitor	10
COREINHIB20L	Inhibitor	20
COREINHIB1000L	Inhibitor	1000
COREDUALBIOCIDE10L	Dual Biocide	10
COREDUALBIOCIDE20L	Dual Biocide	20
CORECLEANER10L	Leave-in Cleaner	10
CORECLEANER20L	Leave-in Cleaner	20
CORESYSCLEANER10L	System Cleaner	10
COREGLYCOL20L	Glycol Anti-Freeze	20
COREINHIBQTS	Inhibitor Quick Test Kits	N/A

ISOLATOR SWITCHES



SBS Code	Description	Amp	Poles	MPN
ACAX6001/2	Aspen Xtra Rotary Switch	20	4	AX6001/2
ACAX6002/2	Aspen Xtra Rotary Switch	32	4	AX6002/2
AC20A3PRIS	DiversiTech Rotary Switch	20	3	IS-3P-20A-S-G
AC20A4PRIS	DiversiTech Rotary Switch	20	4	IS-4P-20A-S-G
AC20A4PRISLRG	DiversiTech Rotary Switch - Large Enclosure	20	4	IS-4P-20A-G
AC32A3PRIS	DiversiTech Rotary Switch	32	3	IS-3P-32A-S-G
AC32A4PRIS	DiversiTech Rotary Switch	32	4	IS-4P-32A-S-G
AC32A4PRISLRG	DiversiTech Rotary Switch - Large Enclosure	32	4	IS-4P-32A-G
AC40A3PRIS	DiversiTech Rotary Switch	40	3	IS-3P-40A-G
AC40A4PRIS	DiversiTech Rotary Switch	40	4	IS-4P-40A-G
AC63A3PRIS	DiversiTech Rotary Switch	63	3	IS-3P-63A-G
AC63A4PRIS	DiversiTech Rotary Switch	63	4	IS-4P-63A-G

HEAT PUMPS
What is MCS?

MCS
CERTIFIED

Working with the industry, MCS sets, defines and maintains the Standards for low-carbon energy technology products, contractors and their installations. This includes heat pumps, solar, biomass, small wind and battery storage. MCS is a mark of quality. Membership of MCS demonstrates adherence to these recognised industry Standards, highlighting quality, competency and compliance. MCS aims to decarbonise heat and power in the UK's homes by giving you confidence in home-grown energy.

KEY DOCUMENTS:

CONFORMITY ASSESSMENT GUIDELINES

The Conformity Assessment Guidelines is a document for Certification Bodies. It provides guidance on how Certification Bodies should conduct assessments against the redeveloped Scheme, including details of the new risk-based surveillance model, the Quality Risk Model.

MCS INSTALLATION STANDARDS

These are the technical standards for how systems should be designed and installed.

The technical requirements aren't changing from what is contained in the MCS Installation Standards, but they have been restructured and streamlined to be more focused on "technical truths". The heat pump related documents are;

- The Heat Pump Design Standard
- The Heat Pump Installation Standard.

PRE-SALE INFORMATION AND SYSTEM PERFORMANCE ESTIMATE STANDARDS

These documents outline how to carry out system performance estimates and the pre-sale information that must be provided to a customer for an installation. These requirements exist today but have been restructured and streamlined into their own technology, providing specific product-related standards to improve clarity. The heat pump related documents are;

- Heat Pump Pre-sale Information and System Performance Estimate Standard.

Other useful organisations:

HPA
HEAT PUMP ASSOCIATION

The UK's leading authority on the use and benefits of heat pump technology and includes many of the country's leading manufacturers of heat pumps, components and associated equipment.

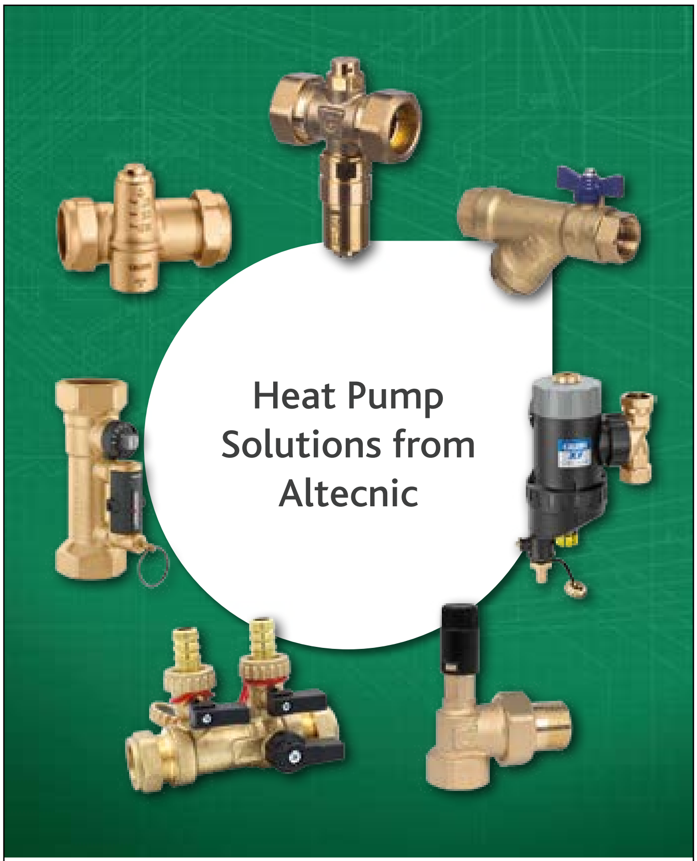
energy saving trust

An independent organisation working to address the climate emergency. A respected and trusted voice on energy efficiency and clean energy solutions, they continue to work towards a smart, decarbonised, decentralised energy system.

SCAN ME

Heat Loss Calculator

LEFT HAND
RIGHT HAND



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CELLAR COOLING

ROCHELLE NORTHERN
LIMITED

- Range Information
- Features & Benefits
- Technical Information
- Product Temperature Guide

See a QR code top right?

You can view the range online!

Use the QR Codes to easily and conveniently access:

- **Stock availability information by branch**
- **Account pricing** (If logged into your account)

CELLAR COOLING

Range Information

Cellar Cooling systems maintain temperatures required for beer cellars and many other applications, such as food produce.

Our high performance units offer a cost-effective and reliable refrigeration solution. Regardless of operation size, the units available through Smith Brothers can ensure an accurate temperature-controlled environment. All of our systems use R448a or R449a refrigerants, making them compliant with the latest legislation.

INDOOR UNIT

SBS Code	Description	Capacity (kW)
CELLEVAP22	Evaporator	2.2
CELLEVAP31	Evaporator	3.1
CELLEVAP40	Evaporator	4
CELLEVAP48	Evaporator	4.8
CELLEVAP62	Evaporator	6.2

OUTDOOR UNIT

SBS Code	Description	Capacity (kW)
CELLCOND22	Condensing Unit	2.2
CELLCOND31	Condensing Unit	3.1
CELLCOND40	Condensing Unit	4
CELLCOND48	Condensing Unit	4.8
CELLCOND62	Condensing Unit	6.2

Ideal for beer cellars and other cooling applications down to 4°C

Our cellar cooling systems offer high performance across a wide range of applications including Cellars, Flower Stores, Fresh Fruit and Veg and potential for many more.

FEATURES

- All systems operate using R448A or R449A refrigerants
- Hermetic and scroll compressors equipped in acoustically padded outdoor units
- All systems have liquid receiver, auto HP & LP switches, crankcase heaters, expansion valves and much more!
- Acoustically encased compressor compartment to reduce noise
- Long life white powder coat finish
- The indoor unit has hinged side panels for easy access

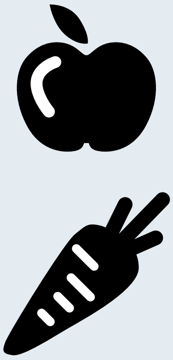
Cooling Range: 2.57 - 7.26 kW at room temperature of 12.7°C

Refrigerants: R448A or R449A

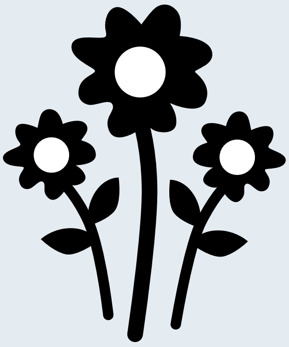
Temperature: Range from 4°C to 18°C

APPLICATIONS INCLUDE:

Pubs and Restaurants



Fruit and Vegetables



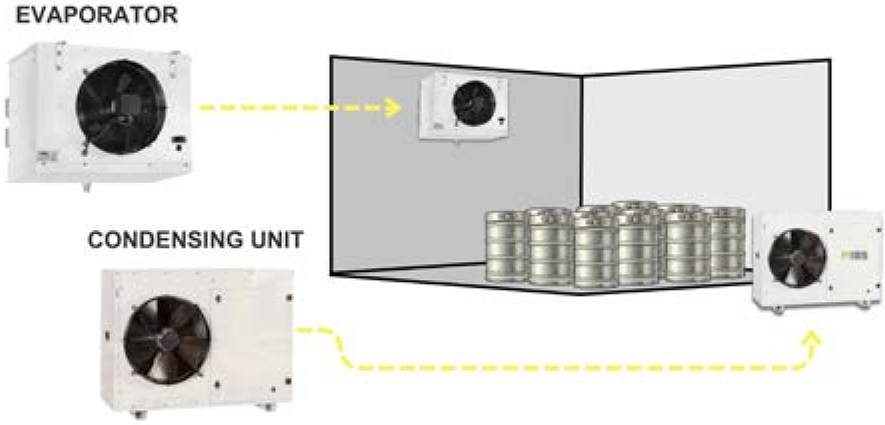
Florists

CELLAR COOLING

Features & Benefits

The cellar cooling range is an advanced solution designed for cooling systems, offering high efficiency and durability. Produced with modern engineering techniques, cellar cooler units are developed to provide maximum performance in commercial applications.

- Factory tested
- Ready to install
- High performance at partial loads
- Ease of installation
- Easy service and maintenance
- All sizes are single phase
- Market-leading compressor brand



Protect your perishables with modern cellar cooling

Smith Brothers' low-noise cellar cooling units allow you to cool multiple types of products by reducing the temperature of a room by up to 4°C and are electronically controlled for simple, accurate temperature adjustment.

All our cellar cooling units have the capacity to run up to 25 metres of pipe for total flexibility and can use both **R448A** or **R449A** refrigerants.

The units are easy to install, keeping costs and installation time to a minimum.

FEATURES & BENEFITS:

Installer

- Quick & Easy Installation
- Reduced Installation Complexity
- Easy Access for Maintenance & Servicing
- Built-in Features for Reduced Call Outs

End User

- Reliability
- Energy Performance
- Low-Noise Application from 30 dB(A)
- Great Performance in Low & High Ambients

CELLAR COOLING
Technical Information

PERFORMANCE DATA (GAS R448A / R449A)

SBS Code	Cooling Capacity (kW) Ambient 32°C								Above Ground	Below Ground
	Room Temperature (°C)									
	4°C	6°C	8°C	10°C	12.7°C	14°C	16°C	18°C	M^3	
CELLCOND22	1.79	1.95	2.12	2.30	2.57	2.70	2.92	3.10	34	42
CELLCOND31	2.55	2.79	3.04	3.30	3.69	3.88	4.20	4.50	46	56
CELLCOND40	3.34	3.65	3.98	4.33	4.83	5.08	5.50	5.70	60	94
CELLCOND48	3.99	4.33	4.70	5.09	5.65	5.95	6.41	6.60	68	107
CELLCOND62	5.18	5.52	6.08	6.57	7.28	7.65	8.23	8.50	122	158

Cooling capacity based on a standard pipe length of 7.6m.
Room temperature of 4°C only applies for pipe lengths of no more than 15m.

TECHNICAL DATA

SBS Code	Nominal Cooling kW	Outdoor / Indoor Unit Model	Airflow M^3/hr Indoor	Airflow M^3/hr Outdoor	Pipework (inch)		Max Pipe Run (M)	
					Liquid	Suction	Length	Rise
CELLCOND22	2.57	CELLCOND22 CELLEVAP22	1525	1390	3/8″	5/8″	25	5
CELLCOND31	3.69	CELLCOND31 CELLEVAP31	1400	1440	3/8″	5/8″	25	5
CELLCOND40	4.83	CELLCOND40 CELLEVAP40	2400	1790	3/8″	5/8″	25	8
CELLCOND48	5.65	CELLCOND48 CELLEVAP48	3680	2610	1/2″	3/4″	25	8
CELLCOND62	7.28	CELLCOND62 CELLEVAP62	2800	3470	1/2″	3/4″	25	8

Fan speed controller is recommended for any pipe length over 15m, and is available via the SBS branch network.
Part number: ACFP2094

ELECTRICAL DATA

SBS Code	Power Supply	Power Input	FLA Amps	Noise Levels dB(A)	Interconnecting Cable	Fuse Rating (A)
CELLCOND22	230/1/50	1.14	5.38	30	3 core x 2.5mm 3 core x 1mm	10
CELLCOND31	230/1/50	1.49	7.32	30	3 core x 2.5mm 3 core x 1mm	16
CELLCOND40	230/1/50	2.04	8.97	31	3 core x 2.5mm 3 core x 1mm	16
CELLCOND48	230/1/50	1.75	8.12	31	3 core x 4mm 3 core x 1mm	20
CELLCOND62	230/1/50	2.38	12.10	33	3 core x 4mm 3 core x 1mm	25

The interconnecting cable between indoor and outdoor units must be 3 cores for the power supply and 2 cores for the control circuit connected to the high-pressure switch. Noise levels recorded at 10m.

DIMENSIONS

SBS Code	Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
CELLCOND22	1020	510	640	62
CELLCOND31	1075	500	745	68
CELLCOND40	1075	500	745	69
CELLCOND48	1280	500	1050	116
CELLCOND62	1280	500	1050	117
CELLEVAP22	770	500	465	23
CELLEVAP31	870	500	560	29
CELLEVAP40	920	525	655	38
CELLEVAP48	920	525	655	40
CELLEVAP62	1370	500	560	45

Fan assembly depth is included within the above measurements.

SYSTEM CHARGE CRITERIA

Outdoor Model	System Charge Required (kg)
CELLCOND22	1.4
CELLCOND31	1.4
CELLCOND40	1.9
CELLCOND48	2.2
CELLCOND62	2.4

The system charge data is designed for a maximum pipe run distance of 25 metres, and outdoor units do not come pre-charged with refrigerant. Please confirm exact charge information with an SBS representative.

SPECIFICATIONS

Selections should be made based on the following criteria:

- Rooms to be kept between + 4°C to + 18°C
- Room walls, ceilings and floors are recommended to be fully insulated with a thickness of 80mm
- Product load 65kg/M^3, room holding temperature should not exceed 5k
- Designed operating temperature is 32°C ambient
- Normal air changes
- Refrigerant R448A / R449A

For different conditions, please contact a Smith Brothers representative.

CELLAR COOLING

Product Temperature Guide

This guide advises users on the recommended temperatures of various food groups.

Fruit/Veg & Salads	Temperature
Apples	+3°C to +5°C
Apricots	+3°C to +5°C
Asparagus	+3°C to +5°C
Artichokes	+3°C to +5°C
Aubergines	+4°C to +10°C
Avocado	+3°C to +5°C
Beetroot	+3°C to +5°C
Brussel Sprouts	+3°C to +5°C
Cabbage	+3°C to +5°C
Carrots	+3°C to +5°C
Cauliflower	+3°C to +5°C
Celery	+6°C to +9°C
Cherries	+4°C to +8°C
Chicory	+3°C to +5°C
Clementines	+2°C to +7°C
Corn-on-the-Cob	+2°C to +3°C
Courgettes	+4°C to +10°C
Cucumbers	+6°C to +9°C
Frozen Fruits	-23°C to -18°C
Grapes	+3°C to +5°C
Grapefruit	+9°C to +12°C
Green Beans	+4°C to +10°C
Ginger	+9°C to +12°C
Kiwi Fruit	+1°C to +2°C
Leeks	+3°C to +5°C
Lemons	+10°C to +12°C
Lettuce (All Types)	+3°C to +5°C
Mandarins	+2°C to +7°C
Mangoes	+9°C to +12°C
Marrow	+4°C to +10°C
Melons	+4°C to +8°C
Mushrooms	0°C to +2°C
Nectarines	+3°C to +5°C
Nuts (All Types)	0°C to +2°C
Onions	+3°C to +5°C
Oranges	+2°C to +7°C
Parsnips	+3°C to +5°C
Peaches	+3°C to +5°C
Pears	+3°C to +5°C
Peas in the Pod	+3°C to +5°C
Peppers	+4°C to +10°C
Pineapples	+6°C to +9°C
Plums	+3°C to +5°C
Potatoes (Eating)	+6°C to +9°C
Potatoes (Seed)	+4°C to +10°C
Pumpkin	+9°C to +12°C
Raspberries	+3°C to +5°C
Rhubarb	+3°C to +5°C
Satsumas	+2°C to +7°C
Strawberries	+3°C to +5°C
Tangerines	+2°C to +7°C
Tomatoes (Firm Ripe)	+6°C to +9°C
Tomatoes (Green)	+10°C to +12°C
Rice Salad	+2°C to +5°C
Vegetable Salad	+3°C to +6°C

Bakery Products	Temperature
Active Yeast	0°C to +2°C
Bakery products with cream/custard	+2°C to +5°C
Cooked Pastries	+2°C to +7°C
Cooked Pies(Meat/Fish filled)	+2°C to +5°C
Doughnuts & Cakes	-25°C to -20°C
Dried Yeast	+2°C to +7°C
Frozen Bread	-25°C to -20°C
Unbaked Dough	+2°C to +5°C
Uncooked Pastry	+3°C to +6°C

Dairy	Temperature
Butter	+2°C to +7°C
Cream	+2°C to +5°C
Dairy Based Desserts	+3°C to +6°C
Fresh Eggs	+1°C to +2°C
Frozen Butters & Fats	-23°C to -18°C
Hard Cheeses	+2°C to +5°C
Ice Cream	-23°C to -18°C
Margarine/Fats	+2°C to +7°C
Mayonnaise	+2°C to +3°C
Milk	+2°C to +5°C
Soft Cheese	+2°C to +5°C
Yoghurt	+2°C to +5°C

Drinks	Temperature
Frozen Concentrated Fruit Juice	-23°C to -18°C
Squash	+4°C to +8°C
Beer	+8°C to +12°C

Other Products/Misc	Temperature
Chocolate	+4°C to +10°C
Confectionery	+4°C to +10°C
Flowers (Cut)	+2°C to +7°C
Frozen Chips	-25°C to -20°C
Hops	+4°C to +10°C
Plant Bulbs	+4°C to +10°C
Plants (Growing)	0°C to +2°C
Sauces	+3°C to +5°C

Meat	Temperature
Chilled Beef	0°C to +2°C
Cold Meat/Poultry (Pre-Packed)	+3°C to +5°C
Cooked Meats	+2°C to +5°C
Cooked/Uncooked Cured Sausage/Meats	+2°C to +7°C
Fresh Chicken	0°C to +2°C
Fresh Game	0°C to +2°C
Fresh Ham	+3°C to +5°C
Fresh Offal (All Types)	0°C to +2°C
Fresh Pork	0°C to +2°C
Fresh Processed Meat (Sausage/Minced Meat)	+3°C to +5°C
Frozen Beef	-23°C to -18°C
Frozen Chicken	-23°C to -18°C
Frozen Game	-23°C to -18°C
Frozen Ham	-23°C to -18°C
Frozen Lamb	-23°C to -18°C
Frozen Pork	-23°C to -18°C
Frozen Offal	-23°C to -18°C
Meat Paste	+2°C to +5°C
Other Frozen Poultry	-23°C to -18°C
Salt Pork	+6°C to +9°C
Smoked/Cured Meats	+2°C to +5°C

Fish	Temperature
Fish Paste	+2°C to +5°C
Fresh Fish (Packed in Ice)	0°C to +2°C
Frozen Fish	-25°C to -20°C
Smoked Fish	+3°C to +5°C

Disclaimer: This product temperature guide is for informational purposes only. Smith Brothers accept no liability regarding the accuracy of this data. It is recommended that users perform their own tests or consult with a professional for precise temperature requirements.

CELLAR COOLING

Additional Products

ALSO AVAILABLE AT SMITH BROTHERS:

SCROLL & HERMETIC

A complete range of hermetic or scroll units in various frame sizes with multiple refrigerant options.

MT: 2.5kW - 14.8kW
LT: 0.5kW - 14.6kW

SEMI HERMETIC

A complete range of hermetic units in various frame sizes with multiple refrigerant options.

MT: 16.4kW - 49kW
LT: 14.6kW - 49kW

DIGITAL SCROLL

Scroll compressors ranging from 4hp to 16hp.

4.2kW - 16.8kW

INVERTER SCROLL

With the increasing demand for higher efficiency systems at part load, the Scroll Inverter model is an ideal solution.

2.5kW - 14.8kW

A2L CONDENSING UNIT

These units use low GWP refrigerants, specifically designed for A2L refrigerants.

1.7kW - 11.9kW

CELLAR COOLING

Summary

QUIET & RELIABLE

Our units are engineered for consistent, reliable performance, featuring acoustic enclosures that maintain ultra-low noise levels, as quiet as 30 dB(A).

COMPETITIVE PRICING

With stock readily available at our UK distribution centre, we ensure quick delivery and offer competitive pricing, providing the usual exceptional service from SBS.

INDUSTRIES SERVED

Working closely and alongside our customers, we ensure they can service a variety of industries, including pubs and restaurants, to guarantee the UK consumers enjoy the highest quality products.

KEY FEATURES

- Up to 25m pipe run capability
- Up to 8m rise capability
- Low noise down to 30 dB (A)
- Room temperature down to 4°C
- Operates with either R448A or R449A refrigerant

TOOL HIRE

Smith Brothers have teamed up with MEP Hire, the leading provider of M&E tools. MEP specialise in supporting companies servicing the mechanical, electrical and plumbing industries. The partnership was developed for a sole purpose - to give our customers discounted hire rates while solving any tooling issues.

The discounted rates work on the basis that with ‘group buying’ through the SBS account, individuals can achieve greater discounts than would usually be available to them. MEP have access to the largest low level access fleet in Europe (covering heights 1.5m to 5.1m) along with a national fleet of MEP mobile service engineers available to minimise customer downtime.

THE BENEFITS OF HIRING THROUGH MEP:

- Largest press tool fleet within the UK
- One of the youngest hire fleets within the sector, continually updated
- Able to offer a comprehensive package of support, sales, hire and repair of HDPE installation equipment
- Including related ancillary items such as TIN 12 specification generators
- With a massive investment strategy, it enables them to grow the hire fleet within a specialist hire market
- Specific tooling specialists ‘on hand’ to tailor equipment to customer requirements

SCAN ME

Tool Hire Account Form

HOW TO ORDER

TOOL HIRE ACCOUNT FORMS

Available to download via www.sbs.co.uk, the QR code below, or collect from any Smith Brothers representative.

PHONE

0844 892 1902 (Freephone)
Monday to Friday: 07:30 to 17:00
Saturday: 08:00 to 12:00

EMAIL

sbs.hirestation@vpplc.com

To speed up your order, it helps to have the following information to hand before you contact us:

- Details of the equipment you require
- The delivery address (including postcode)
- Contact phone number
- Credit/debit card details or your account number

ACR EQUIPMENT AVAILABLE FROM MEP HIRE...

Vp plc **MEP Hire**

Mechanical, Electrical & Low Level Access Specialists

Press Tools and Jaw Sets

Pressing tools and jaws designed to join copper tube press fittings in high- pressure HVAC and refrigeration systems. Quick and easy to use, helping you to save time and improve efficiency.

Hire Code: 255600 (RLS Compatible Jaw Sets)

STUDBITE® Hoist

Eliminate the risk of drops and injury and speed up fit times when installing A/C cassette type units with the STUDBITE® Hoist. Attaches quickly and easily to M8 and M10 stud.

The weight of the unit being fitted is supported effortlessly by the hoist, making it easy for a single engineer to fix it into place. Indoor and outdoor (wind-rated) options available.

Hire Code: 365600 (indoor) / 365605 (outdoor)

HIRE TODAY!

T: 0844 892 1902
E: sbs.hirestation@vpplc.com

TERMS & CONDITIONS OF SALE

Smith Brothers Stores Limited **(we, us,** or **SBS)** is registered in England and Wales as company number 962846. Our registered office is at Unit V2 Blaby Industrial Park, Winchester Avenue, Blaby, Leicester, LE8 4GZ.

We do not sell to consumers. Our products are available for purchase by other businesses only.

AGREED TERMS

1. Definitions

The following definitions apply in this agreement:

Business Day	any day other than a Saturday, a Sunday, or a bank holiday in England and Wales.
Contract	defined in clause 2.3.
Terms of Sale	this document.

2. Our contract with you

2.1 When you place an order with us, you offer to buy the products in your order for the prices we quote to you when you place the order. Each offer is subject to and incorporates these Terms of Sale.

2.2 You warrant to us that you are placing each order on behalf of a business and not as a consumer.

2.3 Your order, read together with these Terms of Sale, becomes a legally binding **Contract** only if we accept the order by:

(a) delivering to you at least one of the products in your order; or

(b) confirming in writing our acceptance of your order.

2.4 We do our best to make sure the prices we quote to you are correct. However, mistakes happen. If you place an order for a product that we have mispriced, the pricing error is obvious, and you should reasonably have recognised the price as mistaken, then we may cancel your order and refund you in full.

3. Our products

3.1 Any product images in our print and online catalogues are for illustrative purposes only. The packaging and colour of the products you receive could differ from those images.

3.2 We may change the specification of any products you order if required by any applicable statutory or regulatory requirement.

4. Pricing and payment

4.1 All prices exclude VAT. Unless stated otherwise in the product description or on the order form, prices also exclude delivery.

4.2 If we quote you a price in orally or in writing, the quote is valid for 30 days only.

4.3 We require payment in full when you place an order, subject to clause 4.4.

4.4 In our discretion, we may accept your order on credit and issue an invoice to you instead of requiring immediate payment. Payment of each such invoice is due at the end of the month following the date of the invoice.

5. Delivery, risk, and title

5.1 We cannot guarantee delivery dates. If we provide a delivery date, it is an estimate only. We are not liable to you for any losses due to late delivery of products in an order, and the time of delivery is not of the essence in any Contract.

5.2 Risk in all products transfers from us to you upon delivery. A product is deemed to be delivered by us to you once either:

(a) we (or a carrier contracted by us) delivers it to you at the delivery address agreed in the Contract; or

(b) you (or a carrier contracted by you) collect it from us.

5.3 Notwithstanding delivery and the passing of risk, property in and title to the goods remains with us until we receive payment of the full price of

(a) all Goods and Services in the Contract and

(b) all other goods and services supplied by us to you under any contract whatsoever.

Payment of the full price includes, without limitation, the amount of any interest or other sum payable under the terms of this and all other contracts between us and you.

5.4 Until title to goods in a Contract passes from us to you under clause 5.2, you must:

(a) store the goods so that it's obvious they belong to us;

(b) not remove, deface, or obscure any labels or identifying marks on the goods;

(c) keep the goods in good and substantial repair, and keep them insured against all risks on our behalf for the full value of those goods using an insurer that is reasonably acceptable to us; and

(d) inform us, upon reasonable request, about the condition of the Equipment and any risk that your business may become insolvent.

6. Warranties

6.1 As a buyer working in a skilled trade, you are solely responsible for making sure the goods you order from us are suitable for your purposes. We will not advise you on the correct use of the goods, and we do not warrant that the goods you buy from us are fit for your purposes.

6.2 We promise that upon delivery all goods we sell you will:
   - (a) conform with their description, subject to clause 3; and
   - (b) be free from material defects in design, material, and workmanship.

6.3 You must inspect the goods promptly after delivery. If we deliver defective goods to you, then you must:
   - (a) notify us in writing within three Business Days after delivery;
   - (b) give us a reasonable opportunity to examine the defective goods; and
   - (c) return the goods to us at your cost if we ask you to.

6.4 If you comply with clause 6.3, then at our option we must either:
   - (a) repair or replace the defective goods; or
   - (b) fully refund the price (plus VAT) you paid us for the defective goods.

6.5 To the fullest extent permitted by law, each Contract excludes all conditions or warranties that would otherwise be implied by law.

6.6 These Terms of Sale also apply to any repaired or replacement goods we supply to you.

7. Returns

7.1 All sales are final, subject to clause 7.2.

7.2 You may request to return non-defective goods to us in a resalable condition in exchange for a credit on your account. We may accept or refuse the return of goods in our sole discretion. All returns are subject to a restocking charge of at least 25% (we will quote the restocking charge on an item-by-item basis before accepting any return). Title in any returned goods passes from you to us once we credit your account with the purchase price less the restocking charge.

8. Limits of liability

8.1 The restrictions on liability in this clause 8 apply to every liability arising under or in connection with a Contract, including liability in contract, negligence, tort, or delict.

8.2 Our total liability to you under each Contract cannot exceed the larger of either £100,000 or the total value of the goods purchased under that Contract, plus reasonable legal costs.

8.3 We are not liable to you for:
   - (a) indirect or consequential losses;
   - (b) special damages; or
   - (c) damages for loss of contracts or lost profits.

8.4 Nothing in these Terms of Sale limits any party's liability for death, personal injury, fraud, or fraudulent misrepresentation.

9. General

9.1 **Entire agreement.** Each Contract contains the entire agreement between you and us about the sale and purchase of the items listed in the corresponding order. A Contract can only be amended by a further written agreement between you and us that contains an express term stating an intention to amend that Contract.

9.2 **Third party rights.** Nothing in a Contract is enforceable by anyone except you and us.

9.3 **Assignment.** We may assign any of our rights under a Contract to a third party. You may not assign any of your rights under a Contract to a third party without our consent.

10. Governing law and jurisdiction

10.1 If delivery of the goods occurs in Scotland, the Contract is governed by Scots law, and the parties must submit to the exclusive jurisdiction of the Scottish Courts to resolve any disputes arising under or in connection with the Contract.

10.2 If delivery of the goods occurs in Northern Ireland, the Contract is governed by Northern Irish law, and the parties must submit to the exclusive jurisdiction of the Courts of Northern Ireland to resolve any disputes arising under or in connection with the Contract.

10.3 If delivery of the goods occurs anywhere other than Scotland or Northern Ireland, the Contract is governed by English law, and the parties must submit to the exclusive jurisdiction of the Courts of England & Wales to resolve any disputes arising under or in connection with the Contract.

Notes

Notes

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AWARD WINNING ONLINE PORTAL

Over 2,500 ACR products available for immediate collection and next day delivery

CONSTRUCTING EXCELLENCE
Midlands
CE EAST MIDLANDS AWARDS
WINNER
INNOVATION AWARD

Is it in stock at my local branch?

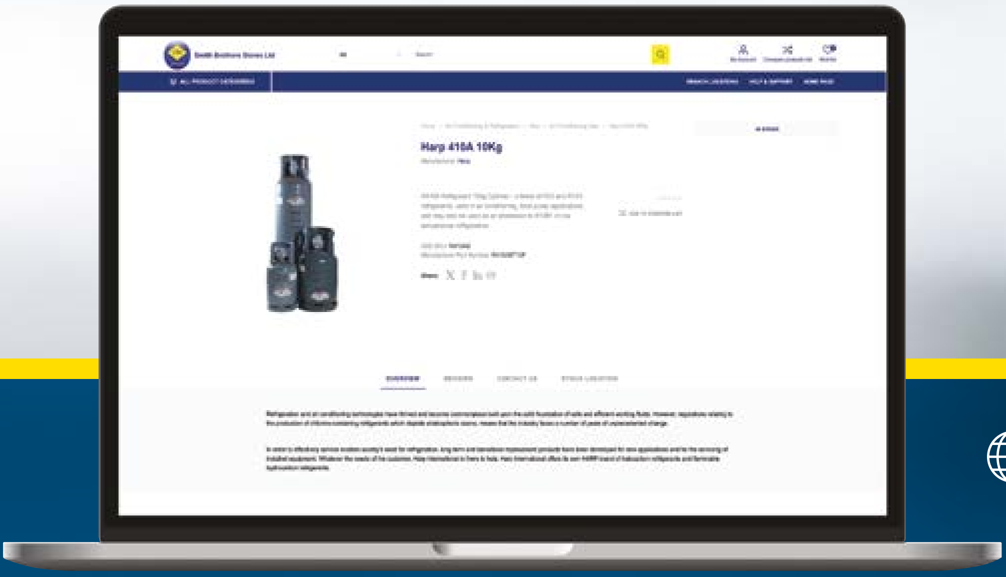
Process a collection order to pick-up your ‘pre-picked’ items within the hour.

Want an early finish?

Process your order in advance, stating specific delivery date so shortages never happen.

Get prepared

Process an order online, scheduling a collection or delivery, then add to the order anytime by phone or email.



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www.sbsonline.net

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- Order by phone, email & online

SBS Promise

STAFF

STOCK

SERVICE

www.sbs.co.uk

Smith Brothers Stores Ltd

@sbs1897

TRUST SMITH BROTHERS’ AC TECH TEAM TO HELP SIZE YOUR SYSTEM!

Simply provide us with the details, and we’ll handle the rest.

HOW TO GET STARTED?

Complete the online form or email **ac-tech@sbs.co.uk** including any relevant information

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TECHNICAL SUPPORT AVAILABLE

Our in-house AC Technical team are on hand to assist. Simply complete the below.

Air Conditioning Enquiry

Brand Preference (Daikin or Midea):	Indoor Type (e.g. wall mount):
Power Supply (1ph or 3ph):	Pipe Run (m):
Application (e.g. office, bedroom):	Temperature control (heating & cooling, cooling only):

Room Information:

Room Size (M):	Length:	Width:	Height:
Design Indoor Temperature (°C)			
Window Type (e.g. PVC Double Glazing):			
Window Size:	Width:	Height:	

Room Size:	Length:	Width:	Height:
Design Indoor Temperature (°C)			
Window Type (e.g. PVC Double Glazing):			
Window Size:	Width:	Height:	

VRV/F Enquiry

Customer Details:

Your Company Name & Postcode
Smith Brothers Account Number
Name
Phone Number
Email Address

Job Specific Details:

Project/Site Name
2 or 3 pipe system? (i.e. is each zone individually controlled?)
What type of internal units are required? (i.e. wall mount, cassettes, ducted etc.)
Is this a new-build or retrofit project?
Has a system design already been created? (i.e. working off spec)
Brand Preference? (Daikin or Midea)
Is a centralised controller required? (i.e. a master controller capable of setting overall control parameters such as temperature range)
Urgency

Guidance:

2 or 3 pipe system?

2 pipe: All indoor units linked to the condensing unit are in either heating or cooling at any given time.

3 pipe: All units are individually controlled in each zone.

What type of internal units are required?

Does the customer require wall mounts, cassettes, ducted for example, or maybe a mixture.

Is this a new-build or retrofit project?

New-Build: Would suggest guidance is required for system layout.

Retrofit: The project has already been specified and a kit list created, often by a manufacturer or consultant.

Do you require a centralised controller?

A centralised controller acts as a primary unit capable of overseeing multiple systems. It provides various features, such as setting timing parameters for all indoor units, monitoring energy consumption, enabling remote monitoring and control, integrating with third-party software, and offering commissioning assistance.

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Complete The Form Online

Disclaimer: The contractor retains final design liability and that the installation complies with all relevant building regulations.

With over 125 years of experience comes expertise and credibility

- **Industry Leading Brands**
- **Expert ACR Staff & Technical Support**
- **Nationwide Service & Distribution**
- **Unrivalled Daikin & Midea Stock Levels**

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ACCREDITED

ISO 9001 Quality Management Systems CERTIFIED

ISO 14001 Environmental Management CERTIFIED