

AIR CONDITIONING & REFRIGERATION

WITH EXTENSIVE DAIKIN STOCKS SBS ARE WELL PLACED TO SERVICE YOUR AIR CONDITIONING PROJECT REQUIREMENTS WITH A WIDE VARIETY OF ANCILLARIES TO COMPLIMENT THE PRODUCT RANGE. THE BUSINESS HAS SPECIALIST PRODUCT MANAGERS IN THIS FIELD TO HELP ANSWER ANY TECHNICAL QUESTIONS ALONG WITH EFFICIENCY TURNING YOUR ENQUIRY INTO A FORMAL QUOTE. THE RANGE INCLUDES REFRIGERANT GAS WHICH IS AVAILABLE IN VARIOUS SIZES.

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DAIKIN
ANCILLARIES



Regarded by many as a leader in the air conditioning field, Daikin's extensive portfolio of products can suit all HVAC applications. The manufacturer's air conditioning products are known for their reliability, efficiency and excellent design. They can provide users with integrated climate control solutions for domestic, commercial and industrial applications. With dedicated Daikin experts for our air conditioning sales, along with vast stock levels, SBS can offer excellent service with high levels of product knowledge. Our in-house personnel can provide technical support to assist with design and system layout, including the Daikin software VRVXpress which can produce a report giving schematics and technical information.

/ SPLITS & SKYAIR /

Daikin's Split and Sky Air range offers the most complete comfort and energy efficient solution for all kinds of domestic and small commercial spaces. It gives the user full control of heating, cooling, ventilation and air curtains. The range starts at 2kW and increases up to 25kW. There is a large range of indoor types including wall mounts, floor standing, ducted, cassettes and under ceiling units.

A Split is typically one outdoor to one indoor unit, but the range also covers multi-splits meaning one outdoor can serve multiple indoor units. There is also the larger twin, triple and double twin systems that use one outdoor to serve up to four indoors from a single remote controller. All of these systems use inverter technology which is used to regulate the indoor temperature continuously. Compared with a traditional system, it gives optimum comfort as well as reducing energy costs by around 30%. The Sky Air product range is optimised for top seasonal efficiency, for heating, cooling, ventilation and air curtains in shops, restaurants, banks and small offices. SBS hold a large stock of the Split and Sky Air range.

FEATURES (SPLITS)

- Available in R410a and R32
- Capacity from 2-7kW
- Versatile range of indoor units – wall, floor, ducted, cassettes
- Multi split range available allowing up to 5 indoors piped to a single outdoor
- Reduced energy savings with the Intelligent Eye sensor
- Remote access control via the Wifi adapter
- Pipe runs up to 30m
- Cooling available down to -10°C ambient and heating down to -15°C (outside temperatures)
- Possible tax relief via ECA scheme



FEATURES (SKYAIR)

- Available in R410a and R32
- Capacity from 7-25kW
- Available with single and 3 phase power supplies
- Also available as twin, triple and double twin applications
- Versatile range of indoor units – ducted, cassettes, wall, floor
- Option for Self Cleaning cassettes giving reduced running and maintenance costs
- Unique underceiling cassette with the FUQ-C indoor
- Auto changeover feature as standard
- Systems suitable for replacement technology
- 3 types of outdoor options depending on application requirements
- Pipe runs up to 75m
- Cooling available down to -15°C ambient and heating down to -20°C (outside temperatures)
- Server room cooling possible using EDP setting on Seasonal Smart outdoor





VRV

The Daikin VRV system is a multi-zone air conditioner with variable refrigerant flow control. It gives you the ability to maintain individual zone control in each room and floor of a commercial building. VRV provides a total solution for heating, cooling, ventilation, hot water production, air curtains and central control. It comes in many forms starting at around 12kW with Mini-VRV up to a full size VRV giving up to 150kW per system.

A 2 pipe system has the capability to heat or cool a building while the 3 pipe Daikin VRV can simultaneously heat and cool different parts of a building at the same time. On a Daikin 3 pipe system the branch selector boxes determine whether that unit, or group of units, is in heating or cooling. These are available as single port and multi port boxes giving complete flexibility for any building. The VRV systems can be easily controlled from a wide range of Daikin control options or via an on site BMS system.

SBS have in house technical support to assist with design and system layout including the Daikin software VRV Xpress which can produce a report giving technical info and schematics.

FEATURES

- Wide range of indoor types from 1.5-25kW
- Outdoor capacity from 12-151kW
- Available as 2 pipe (Heat Pump), 3 pipe (Heat Recovery)
- Air cooled and water cooled systems available
- Replacement technology available using VRV-Q
- Option to add hot water modules, AHUs and air curtains
- Condensing unit option for indoor installation
- Low height condensing units ideal for challenging urban environments



CHILLERS

Daikin's range of air-cooled and water-cooled chillers are designed to suit every application, large or small, offering the ultimate in flexibility and control. The unique combination of advanced technology, experience and reliability make Daikin chillers the ideal choice. Daikin chillers have nominal cooling capacities of 5kW to 2,000kW (air-cooled) or 13kW to 2,156kW (water-cooled). There are many chiller options including models using Inverter compressors and chillers that can provide free cooling. Most options are available with different efficiency and sound options to suit a particular site to meet noise or space restrictions.



The latest Daikin technology can achieve industry-leading efficiency along with optimum energy-saving for outstanding cost saving performance. Using the Daikin chiller software can produce a bespoke report for every application showing the output of the chiller at given conditions. It will also give full technical info including the specification and dimensional drawings of the chiller.

Also as part of the Applied product range Daikin can offer Fan Coil Units and Air Handling Units (AHUs).

FEATURES

- Capacity range from 5-2,156kW
- Aircooled, watercooled and condenserless chillers available
- Various refrigerant types available
- Chillers options with Inverter compressors
- Free cooling on the EWAD-CZ range
- Scroll, Screw and Swing compressors
- Multiple selection options dependant on efficiency and sound requirements
- Cooling and Heat Pump chillers available



VENTILATION

Daikin offers a range of options that enables control of fresh air into commercial and residential spaces. The VAM / VKM range of heat recovery ventilation products can efficiently deliver controlled fresh air to meet your design priorities.

FEATURES

- VAM air flow from 150 -2000m³/hr
- CO₂ sensor to minimise running costs by only delivering actual requirements of fresh air
- Heater batteries available to pre-heat the ambient air for all year round



CONTROLS

Whether you need complete control over your building management system, or want to integrate your Daikin units into third party management system, Daikin offers a complete portfolio of user-friendly solutions.

FEATURES

- Interfaces available for Bacnet, Modbus, LON and KNX
- Smart energy monitoring with the DNSS system
- Mini building management system using the I-Touch Manager
- Central control of up to 512 indoors
- Web access as standard on the I-Touch Manager
- Recessed local controllers available with various finishes
- Tablet control possible using the Daikin Cloud



SPARES

Genuine Daikin spares are available on quick turnaround with the only information needed being the make and model of the unit which requires the part, the rest can be done by Smith Brothers. Spares are available for VRV, chillers, split systems, multi, CVP, compressor spares, fan motors indoor and outdoor, fan guards, thermistors, inverter boards, main power boards, four way valves, condensing unit coil's, PCB's, Daikin accessories, Altherma spares, wireless thermostats and controllers to only name a few.

ANCILLARIES



To compliment the Daikin range SBS stock air conditioning and refrigeration ancillaries to support our customers and offer a complete package. Teaming up with market leading and high quality brands such as Aspen, Lawton, Armaflex, PumpHouse along with our service levels, gives Smith Brothers a real competitive advantage in the market place. The core range consists of copper, lagging, steel, mounting support, pumps and clips but stocks of trunking, refrigerant gas and electrical cable are also available to fulfil project needs.

COPPER

Copper pipe for refrigeration and air conditioning, all meet PED and EN 12735 standards with our suppliers conforming to quality management system ISO 9001. The tube is designed specifically for refrigeration and air conditioning use and is accordingly cleaned, nitrogen-purged and capped. Please note that straight length copper above 2 1/8" is available in various gauges and lengths upon request on a 3 week lead time. Refrigeration fittings are degreased copper endfeed/endbrazed fittings manufactured to the latest ASME standards and are specifically designed for copper refrigeration and air conditioning systems



- COIL: 3/16" to 7/8" 15m & 30m
- FROM: 19 to 22 gauge
- STRAIGHT: 3/8" to 4 1/8" 3m & 6m
- FROM: 11 to 21 gauge



LAGGING

A full range of lagging is offered to suit all sizes of copper which can reduce energy losses up to 87% along with preventing condensation, mould and bacteria. Lengths, bags and boxes are all offered with various thickness to suit all pipe size requirements.

PUMPS

SBS offer a wide selection of pumps which continue to make the installer's life easier whilst offering the most reliable condensate removal pumps available. As the range continues to expand finding a product to space, power and noise requirements is easier than ever with simply plug and play options available. There are many benefits to using a condensate removal pump over gravity, with four different types:

- Piston
- Peristaltic
- Centrifugal
- Diaphragm



PIPE CLAMPS, FIXINGS & STEEL

A full range of clips such as BBJ's and cushion clamps are stocked in bag quantities across the full range of size dimensions. The vast steel range and fixings covers such items as; cantilever arms, cable tray, slotted channel, studding rod, G clamps, wedge anchors, nuts/bolts, zeds, washers etc...



ANCILLARIES



MOUNTING

Mounting blocks for various loads and anti-vibration pads with normal or lightweight options. The flexi-foot support system is also available with strut which can be custom built to support any unit or load requirement. With the increasing need to mount equipment safely, especially when on a roof top, Flexi-Foot system offers a flexible solution for spreading load.



TRUNKING

Available in both 75mm or 100mm sizes in ivory, white and black colour options. All fittings and components are manufactured to a high standard to give a professional finish. Also UV resistant, fire proof and offering protection against damage.



PROTECTION & BRACKETS

Cages to protect and house outside units are available for both floor or wall mounted units. A range of brackets (some with built-in spirit level) with condensation trays for all size and weight options to support wall hung units are stocked.



ELECTRICAL

Often run through trunking a range of electrical accessories such as rotary isolators and switch fuses (both metal and plastic) are available for indoor or outdoor use. The cable has different thickness, length, colour and number of cores.

- THICKNESS: 0.75mm to 4mm
- NUMBER OF CORES: 2 to 5
- COLOUR: Black, Clear, Grey or White
- COIL LENGTH: 25 to 100 metres

ANCILLARIES

The usual stock of sundries is kept such as; cable ties, mapp gas, silicone sealants tape, flushing kits, chemicals, portables, fan motors, braided hose ...etc...



REFRIGERATION GAS

Providing the customer has an FGAS registration number we stock and can deliver various size bottles from stock. A deposit is held and fully refundable once bottle is returned. Refilling of gas is not done on site but while the empty bottles get sent off for refilling, we provide a full bottle so there is no delay.