

VALVES & DRAINAGE

SMITH BROTHERS BRINGS A RANGE OF MARKET LEADING HVAC VALVE SOLUTIONS WHICH BRING THE ULTIMATE PERFORMANCE AND CONTROL ALONG WITH HIGH EFFICIENCY. BY STOCKING THE LATEST TECHNOLOGY AND EXTENSIVE RANGE OF VALVES FROM INDUSTRY LEADING MANUFACTURERS, CUSTOMERS HAVE SUBSTANTIAL CHOICE. NO MATTER HOW HOSTILE THE LIQUID/PRESSURE OR DIFFICULT THE APPLICATION, SBS CAN WORK WITH THE APPROPRIATE MANUFACTURER TO SOURCE THE SOLUTION.

NUMEROUS ABOVE GROUND DRAINAGE AND RAINWATER SYSTEMS ARE AVAILABLE SUCH AS HDPE, CAST IRON, PVC-U, ACOUSTIC AND PUMPED WASTE OPTIONS. AS A POLYPIPE TERRAIN 'SPECIALIST' STOCKIST CUSTOMERS CAN RELY ON SBS TO PROVIDE NOT ONLY EXPERTISE BUT VAST LEVELS OF SOIL AND WASTE STOCK TO SUPPORT YOUR PROJECT AT EVERY PHASE.



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/ CRANE & HATTERSLEY /



Both Crane and Hattersley offer a variety of traditional valves, including ball, butterfly, check, gate & globe valves as well as a range of balancing solutions for constant & variable flow systems, including PICV and DPCV. Crane also manufactures a range of malleable iron pipe fittings rated PN25 which are suitable for a wide variety of uses. Solutions for public health are available and include thermal circulation valves and pressure reducing valves, all with WRAS approvals. The majority of the valves are available as BIM ready product components. Products are targeted at Building Services systems such as HVAC and Hot/ Cold Water but also have applications across industrial processes. Approvals include WRAS, Kitemark, ISO 9001 and European Pressure Equipment Directive.



PRODUCT RANGE

Gate, globe, check, ball, butterfly, strainer, PICV, DPCV, PRV, TMV, TCV

SIZE:	10mm to 1800mm (depending on product)
CONNECTION:	Threaded, compression, flanged, press-fit
TEMPERATURE:	-10°C to 288°C (depending on product)
PRESSURE:	Up to 64bar (dependent on product)
FINISH:	Bronze, Cast iron, Ductile iron, DZR brass, Brass, Malleable Iron, cast steel



For comparison code numbers of each valve please view the vital statistics section.

/ IMI HYDRONICS (TA) /



Founded in the same year as Smith Brothers in 1897 often providing market leading innovation on system balancing products. In the 1950's they created the first manual balancing valve and have continued to improve ever since. SBS are the preferred Distribution Partner for IMI Hydronics, focusing on the TA brand of valves. They have a large portfolio of products which SBS can support from stock across the network of branches.



SOME KEY PRODUCTS

- TA-Modulator & TA Compact: Pressure Independent Control Valves (PICV) with unique characteristics
- TA-Slider: Digitally Configurable Actuators
- TA-Therm: Thermostatic Balancing Valves
- TA-Goetze: Pressure Reducing Valves (PRV)
- TA- STAP: Differential Pressure Controllers (DPCV)
- TA-STAV, STAD, STAF: Manual Balancing Valves
- TA-Heimeier: Thermostatic Radiator Valves (TRV)
- TA-Scope: Hand-held Measuring device for on-site Commissioning
- Range of Isolation, backflow prevention and filtration products.
- SBS can also offer IMI 'Pneumatex' Pressurisation, Dirt Separation and Degassing Equipment
- Instead of DZR material, they have a version called AMETAL, unique to IMI

/ SBS VALVES /



With a growing reputation for quality and reliability, SBS valves offer an established brand of commercial valves providing our customers with a trusted alternative to premium priced products whilst conforming to standards such as WRAS and EN331. We stock a full range of valves for the building services and industrial markets.

PRODUCT RANGE

Ball, gate, globe, check, commissioning, PICV, DPCV, butterfly valves, strainers

SIZE: 1/4" to 16"

CONNECTION: Press-fit, threaded, compression, weld, flanged

TEMPERATURE: -25°C to 230°C

PRESSURE: Up to 25bar (often dependent on size)

FINISH: Brass, plastic, cast Iron, stainless, bronze, DZR, Cast Steel

For comparison code numbers of each valve please view the vital statistics section.



/ PEGLER YORKSHIRE /



Pegler Yorkshire has been a major force in valves and fittings for over 100 years and their commercial valves package for the HVAC market is built upon the unique strengths in design and manufacture accumulated over this period. Pegler Yorkshire has pioneered the market by introducing both press & push fit end connections, offering significant installed cost savings. They are dedicated to designing, developing and manufacturing products of the highest quality. Their products, where applicable, comply with the relevant British, European and International standards. Whatever the latest developments, they guarantee that the products will always meet the latest and highest standards.

PRODUCT RANGE

Gate, commissioning, globe, check, butterfly, quarter turn ball valves, strainers, ballofix, thermal circulation valves

SIZE: 1/4" to 24"

CONNECTION: Press-fit, push-fit, threaded, compression and flanged

TEMPERATURE: -40°C to 198°C

PRESSURE: Up to 40bar (often dependent on size)

FINISH: Brass, ductile iron, cast iron, stainless, bronze, DZR



/ ALTECNIC /



Altecnic's range has potential to meet every requirement for every application, while meeting relevant legislation and environmental standards. With more than thirty years of experience in meeting the needs of specifiers, stockists and installers, Altecnic offers high-quality, competitively priced products to meet cost conscious applications whilst complying with current industry standards such as WRAS and backed by ISO 9001, ISO 14001 and ISO 18001 quality certification.

PRODUCT RANGE

TMV, PRV, radiator, safety relief, RPZ, double & single check, NRV, ball, gate, meters

TEMPERATURE: Up to 110°C

PRESSURE: Up to 16bar



/ STEAM VALVES /



When it comes to steam and air pressure the greatest priority is safety and then control, which is why SBS has chosen to work with market leading manufacturers offering the highest quality products to make sure our customers are never let down when it comes to performance.

SPIRAX SARCO

The comprehensive product range covers the entire steam and condensate loop, from blow down valves and steam trap stations with 10 year warranty's, to bespoke packaged systems and sustainable boiler houses. The company is recognised by BSI with ISO 9001 and 14001 for added credibility. Quite simply, Spirax Sarco has a product for every part of your steam system.

SIZE: 1/4" to 4"

CONNECTION: Screwed & socket weld, butt weld, flanged

TEMPERATURE: -150°C to 300°C

PRESSURE: 0.1bar to 40bar



SAFETY VALVES

NABIC

These valves are installed for safety and can be installed after a pressure reducing valve (PRV) to protect against failure. It is not always clear the difference between a pressure relief and a safety relief valve. On a pressure relief valve the lift is progressively proportional to the flow making them ideal for pump relief, bypass and on cold water mains to protect from PRV failure. The latter (safety) is ideal when the working environment is particularly tough and fluids being transported are corrosive with the lift on valve opening suddenly (not gradual) once set pressure is reached.

NABIC

Nabic manufacture in the UK a range of safety and pressure relief valves along with control valves in gunmetal and stainless steel suitable for a wide variety of fluids including steam, hot water and air. The valves are ideal for vented and unvented heating systems, hot water and steam boilers, compressed air systems, pump relief and bypass.

TEMPERATURE: Up to 260°C

PRESSURE: 0.3bar up to 12.5Ba

SBS also stock a range of Albion valves for a cost saving alternative to Nabic.



RADIATOR VALVES

Drayton oventrop
HERZ Honeywell inta

To compliment the stock of radiators SBS can provide high quality angle and straight manual & thermostatic radiator valves specifically designed to meet the requirements of both domestic and commercial markets where performance & reliability are paramount.

COMMERCIAL

Very much like the domestic range these valves have added features to help perform in a commercial environment and buildings. Such features can include tamper resistant settings to prevent accidental adjustment. Range limiting customised temperature control and shut off features gives installers optimum control, performance and flexibility all in one valve.

FEATURES AVAILABLE

- Frost setting at 7°C
- Positive shut off for maintenance purposes
- Range limiting locking customised temperature setting
- Approved to EN 215
- Matching manual radiator valves
- Horizontal & vertical mounting
- Patented unique lift & lock
- Tamper-resistant mechanism
- Bi-directional flow

SIZE: 15mm to 22mm

TEMPERATURE: Up to 120°C
(Control range: 11°C to 29°C)

PRESSURE: Up to 10bar

DOMESTIC

Often sold as a TRV and lockshield pack, they are also available as TRV only if required. Although 15mm is where the bulk of the stock is kept, the product is also available with 8mm and 10mm connections.

FEATURES AVAILABLE

- Temperature setting from 7°C to 28°C
- Frost setting at 7°C (preventing freezing)
- Nickel plate finishing
- Bi-directional flow
- Compression ends to EN1254

SIZE: 8mm to 15mm

CONNECTION: Compression

TEMPERATURE: Up to 120°C (Control range: 11°C to 29°C)

PRESSURE: Up to 10bar



POLYPIPE TERRAIN

TERRAIN

Smith Brothers have joined forces with the UK's leading manufacturer of plastic piping systems Polypipe Terrain, together offering outstanding service and the best products available for any project.

With nearly 50 years of experience in the industry, Terrain offer a complete range of plastic piping solutions to control everything from air movement within drainage stacks, to water attenuation at rooftop level. The systems include an extensive range of soil and waste drainage products for commercial, industrial, housing and public sector developments.

SOIL AND WASTE

The system includes solvent-welded and push-fit options for soil and waste drainage, overflow and trap systems along with a comprehensive range of adaptors and accessories. Products are available in multiple colours (grey, black, white and rustic brown) with system going up to 160mm (6") for the soil stacks.

BENEFITS

- Wide range of solvent and push-fit soil and waste solutions
- Unrivalled installation options to match any project
- Quick and easy installation
- Light weight and easy to handle
- High quality finish and colour to match all systems
- Suitable for all types of commercial, high rise residential, domestic, industrial and public sector installations
- Extensive technical experience to support and advise on all aspects of design and installation

FUZE

FUZE is a high performance, modern drainage system which has been used on a wide range of prestigious commercial buildings. It's manufactured from high density polyethylene (HDPE) so has strong abrasion, chemical and temperature resistance.

ACOUSTIC DB12

This triple layer pipe system is easy to install, with specially developed co-polymer polypropylene layers and acoustically engineered fittings that effectively dampen both airborne noise and sound transmitted through the building structure. It's especially well-suited to large, multi-occupancy buildings.



For jointing guidelines with the Terrain products go to the vital statistics section for extra assistance. Alongside the Terrain brand we also have access to Polypipe products if required along with their underfloor heating solutions.

FIRE TRAPS

Terrain Firetrap is a comprehensive range of unique passive fire protection products for use with Terrain Soil and Waste Systems, Terrain FUZE and Terrain Acoustic dB12 pipe systems.

P.A.P.A. AND PLEURA

The Terrain P.A.P.A (Positive Air Pressure Attenuator) and Pleura Vent System by Studor eliminates the need for a traditional piped secondary vent system.

FABRICATION SERVICE

Terrain's Fabrication Service means all aspects of the development from the ground up can be streamlined. Having pre-assembled stacks reduces installation time and allows the project to run smoothly within a reduced timeframe. Polypipe Terrain's dedicated experts are available to aid ground workers throughout the installation for added support.

SIPHONIC AND RAINWATER SYSTEMS/UNDERGROUND

Polypipe Terrain have an extensive range of rainwater outlets for flat roof and balcony applications for commercial, industrial and public sector developments. Our comprehensive range covers outlets from 50mm-110mm. For outlets for a large roof area we'd recommend using the Terrain HydroMax siphonic system, the renewable section goes in to greater detail for such products. The below ground drainage range offers both rigid and foam core pipes and a comprehensive range of fittings to suit all applications.

/ HARMER /

HARMER
DRAINAGE SYSTEMS

Harmer is a lightweight, dry jointed pipework system at the leading edge of cast iron technology. For internal or rainwater drainage, Harmer systems provide a total solution from roof outlet to below-ground drainage, to ensure optimum efficiency. Harmer cast iron soil and waste systems, cast iron drainage pipes, floor drains, shower drainage and wet-room ranges provide a total solution whether it is connected to the plumbing fittings or linking with underground sewer systems. The cast iron system is non-combustible with high tensile strength and excellent noise attenuation. With fully certified products to EN 877, CE and Kitemarked along with BBA certification, quality is ensured backed up with technical support and warranties.

SIZE: 50mm to 400mm
FINISH: Cast iron
LENGTH: 3m
MATERIAL: Cast Iron (choice of ductile or stainless steel couplings)



/ SANIFLO /

SANIFLO
PLUMBING THE POSSIBILITIES

Saniflo products offer a solution for unconventional situations where drainage is a problem. With a range of over 30 products including macerators, pumps and lifting stations all designed to work with small bore pipework that is easy to install and run to the nearest soil pipe. Whether it's a loo in the loft, a bath in the basement or even facilities for a café or bar, wherever conventional drainage is not possible, Saniflo probably has a product to help find a solution.

SIZE: Can be pumped vertical up to 5m and horizontal up to 100m



/ MCALPINE /

MCALPINE

McAlpine have an extensive range of bottle, tubular, bath and shower traps which all have a multi-fit or universal outlet to suit 1 1/4" (32mm) to 2" (50mm) plastic, copper or lead waste pipe. The company also have a large range of channel drains, floor gullies, WC connectors and air admittance valves. McAlpine is a member of the British Standards Institution and manufacture their products to the highest standards where possible.

SIZE: 1 1/4" (32mm) to 2" (50mm) – other sizes available on different products and upon request
CONNECTION: Multifit or Universal (compression)
FINISH: Plastic (white) & chrome



/ WATER TREATMENT /

BWT HYDROTEC **CalMag** **SENTINEL** Commercial

The modern world has often meant we live in an era of aggravated water shortage. The easy access to quality water is limited with increasing water pollution, exhausted rivers, overused groundwater all threatening our water consumption. A range of water treatments are available from the simple to complex products for both domestic and commercial applications.

PRODUCT RANGE

- **Water filtration** - an efficient way to improve water for every day use. They can provide clear drinking water, available on tap when required often giving a cost saving solution.
- **Scale inhibitors/reduction** - these are a low cost answer to problems with hard scale. A complete choice of technologies (single & dual) to match your needs/budget and products are available with either push-fit or compression fittings.
- **Water conditioners** - the system uses an ion exchange process to remove calcium and magnesium ions from the water supply, replacing them with sodium salts, which do not deposit scale.
- **Water softening** - hard water can seriously damage central heating systems, pipework, boilers and other applications running off the system. This solution can prolong the life of the system while maximising energy efficiency.
- **Reverse osmosis** - available in single unit form or part of a modular water treatment solution, the product can protect a single appliance or whole facility. Units are available capable of removing 99% of dissolved solids and 98% of all bacteria and fine suspended particles below 1 micron particle size.
- **Ultra violet disinfection** - UV is a safe technology used for the purpose of disinfecting water without the use of chemicals. An effective solution that kills most waterborne viruses and bacteria. As water passes through the shell it is exposed to a high intensity UV light that destroys the DNA within the bacteria cells and viruses.
- **Chlorine dioxide** - this chemical is an effective disinfectant and will remove a biofilm. Chlorine dioxide generators are used to accurately mix two chemicals together in a controlled environment. The dosing can be controlled manually or modulated automatically.

