

ips

what's new in the pipeline

Issue 16 September 2000

Welding Equipment Compliments Our Piping System Range

In any fusion welded thermoplastic piping system, the jointing system can be a critical factor in ensuring that the installation is of the highest possible quality.

The selection of the jointing methods can only be decided after consideration to the many factors that influence the installation:

Pipe size, material, accessibility, routing and environmental conditions have all to be considered before the fusion welding process can be decided. In many cases it is not always possible to select a single jointing method, and as a result it is often necessary to use a combination of fusion welding procedures.

IPS has a comprehensive range of fusion welding equipment to satisfy virtually every possible combination of installation conditions. We can provide hand held socket fusion tools, combination socket and butt fusion machines, state of the art IR welding machines, and electrofusion equipment for the remote welding of PP, PE and PVDF electrofusion systems.

The range is available for rental or purchase when we supply our Agruair, PP, PE, ECTFE or PVDF piping systems, and we have an extensive choice available from stock.

Comprehensive training in the operation of this equipment is available free of charge either at our in house training facility or at the project site.

For details of our welding equipment or training programmes please contact Tony Charlton on 0191 521 9016.



For more detailed information on any items featured in this newsletter please photocopy complete and fax back the request form on the back page.

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New Compact Pressure Relief Valve

A new compact pressure relief valve from ASV STUBBE for flow rates up to 500 l/h is now available in 8mm size. This new valve features high reproducibility with an opening pressure of only 0.5 bar, and a maximum working pressure of up to 10 bar.

Pressure relief valves are essential equipment for controlling system pressure, as well as for maintaining backpressure stability in systems using metering or dosing pumps. In addition the valve can also be used as an overflow valve mounted in a bypass to provide protection to equipment against pressure surges.



The valve is available in body materials manufactured from PVC, PP or PVDF, and the bonnet is produced from glass reinforced polypropylene to ensure high safety against impact damage. End connections for the valves include solvent cement sockets for the PVC version, and fusion spigots for the PP and PVDF bodied valves.

An EPDM backed PTFE diaphragm is supplied as standard thereby ensuring that this new valve has excellent chemical and abrasion resistance across a wide range of operating temperatures.



PVC & CPVC Gauge Adaptor Fittings

Pressure gauges are an important and essential feature of any piping systems, allowing operators to easily verify the working pressure of an installation.

The transition from metal pressure gauge threads to plastic fittings can on occasions lead to problems, such as failure of the plastic thread due to overtightening.

To improve the connection between metal gauge threads and the plastic piping system, SPEARS have produced a new range of gauge adaptor fittings in PVC and CORZAN CPVC materials.

The range of reducing tees, male and female adapters, all features 1/4" NPT female threads, which benefit from SPEARS stainless steel reinforced (SR) technology. This patented manufacturing process reduces and contains stresses generated on female plastic threads, reducing the likelihood of splitting problems from overtightening.

SPEARS gauge adapters are manufactured to ASTM schedule 80 dimensions for extra strength and reliability. They can be used in any installation using PVC or CPVC pipes to ASTM or BS inch sizes



Blue 75 Thread Sealant from Spears

Improper application of Teflon tape sealants can result in over-stressed threaded connections and potential joint failures.

Research testing has proven Spears BLUE 75 thread sealant to be the best choice for reliable joint make-up of all threaded thermoplastic piping products.

Spears BLUE 75 is a special non-hardening, soft setting formulation which remains crushable to -50°F. Partial containers remain usable for years when properly stored. Anti-seize properties allow easy assembly and positive seal without over tightening.

Spears BLUE 75 is tested and approved safe for use with potable water, and will not transfer taste or odour to the sealed system.

For more information on the Spears BLUE 75 please complete the fax request form on the back page or telephone our sales office.



Flexfit Compression System For Flexible PVC Pipes

The IBG FLEXFIT systems is a solution to the problem of installing piping systems in underground or difficult to access locations. The key to the system is a new flexible PVC pipe in sizes 50mm and 63mm.

Supplied in 25m long coils, FLEXFIT is quickly and easily installed using special compression fittings, which eliminate a leakage problem which can occur with flexible PVC systems.

The compression fitting range has a wide variety of connectors, adaptors, bends and tees to simplify the installation process, and it also includes transition fittings for connections to rigid PVC pipe systems. A special low cost 1½" or 2" installation key is used to ensure that the joints are permanently leak tight.

IBG FLEXFIT is ideally suited to swimming pool applications, or to handle non-aggressive chemicals. Difficult ground conditions are also ideally suited to the FLEXFIT system, as is any piping installation where it is preferable to minimise the number of system joints.



PVC & CPVC Clamp on Saddles

A new range of inch size clamp on saddles from SPEARS are now available in both PVC and CORZAN CPVC materials. This new product features a choice of tee or cross configurations, and the option of solvent socket connectors, or steel reinforced threaded outlets.

The clamp saddles can be supplied with a choice of "O" ring sealing materials including EPDM or FPM, and they are produced to suit imperial pipe sizes in the dimension range 2"-6".

Spears clamp saddles are quickly and securely installed by means of a unique pilot lip which engages with the hole in the pipe to prevent dislocation of the saddle. The 4-bolt clamping system which is available in zinc plated or stainless steel, ensures positive sealing of the "O" ring on the pipe surface.

Ideally suited for temporary or permanent installations, SPEARS clamp saddles feature excellent pressure capabilities of 235psi up to 4" size, and 200psi for 6" clamps.



New Technical Catalogue for Agruair

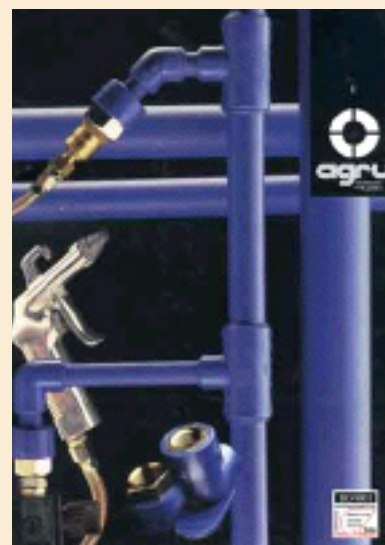
A new technical catalogue for engineers, installers and designers of compressed air piping systems has been recently published by AGRU.

This brand new publication contains invaluable technical information, including mechanical and physical properties of the AGRUAIR piping material.

AGRUAIR has the benefit of an extremely smooth inner bore, and its leak free fusion welding jointing system ensures that pressure drop across the piping system is typically less than metal piping. As a result it is often possible to reduce the pipe size and benefit from the subsequent savings in both material and installation costs.

A specially adapted flow nomogram is included in the new AGRUAIR catalogue, which helps guides the designer to select the optimum pipe size for a new compressed air piping installation. By using values for pressure drop, operating pressure, flowrate and length of the piping system, the correct pipe dimensions can be rapidly obtained.

The new AGRUAIR catalogue is available now from our sales office, please contact us to receive your copy.





what's new in the pipeline

in brief.....



Laboratory Valves Also Available in CPVC

CPVC quarter turn laboratory ball valves from SPEARS offer excellent chemical resistance and are suitable for applications from vacuum service to 150 psi pressure.

Available in 1/4" & 3/8" sizes the valves are supplied with an adaptor kit which includes male thread adaptors and hose connectors, and are supplied with either FPM or EPDM "O" rings.

Teflon ball seats ensure long valve life, and each valve is 100% factory tested before delivery.



New Pipe Clip Range From IBG

An extended range of pipe clamps has been introduced by IBG featuring an extended size range for metric size pipes up to 400mm and inch size systems up to 8".

Manufactured from black polypropylene material, the clamps feature locking straps to securely retain the pipe in position, yet still allowing the pipe to expand and contract as a result of thermal movement.

Large size clamps feature hinged restraining straps to ease the installation process, and externally positioned fixing points feature reinforcement in this critical area.

Request for information

Please send me the following:-

Information on these product(s):

A copy of the IPS Handbook

Name:

Job Title:

Company Name:

Address:

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Postcode:

Telephone:

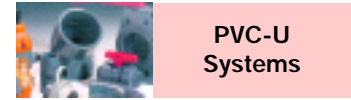
Main Business Activity:

Please also send information to my colleagues:-

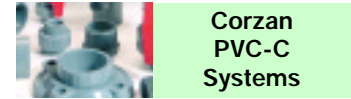
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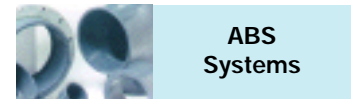
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PVC-U Systems



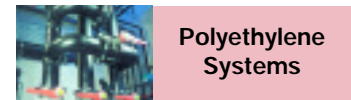
Corzan PVC-C Systems



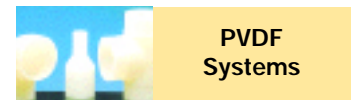
ABS Systems



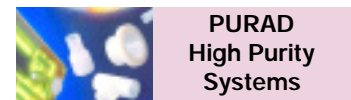
Polypropylene Systems



Polyethylene Systems



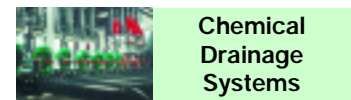
PVDF Systems



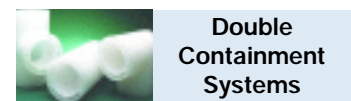
PURAD High Purity Systems



Compressed Air Piping



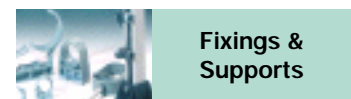
Chemical Drainage Systems



Double Containment Systems



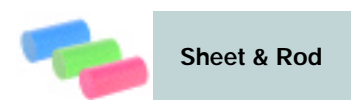
Process Measurement



Fixings & Supports



Tools & Installation Equipment



Sheet & Rod

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