

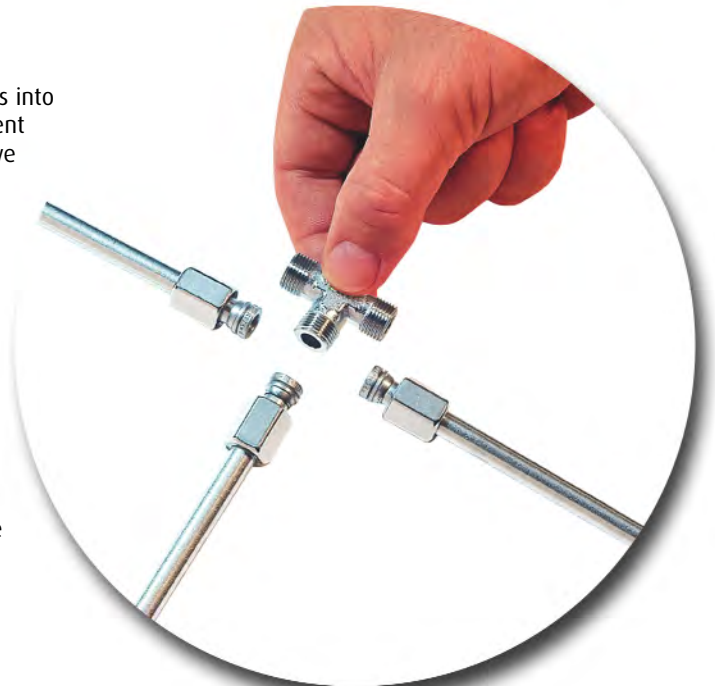
## Serto and Saint Gobain - High Performance and High Purity

### Serto - the clever connection

We introduced the Serto range of PVDF and PA compression fittings into our range in our 20th anniversary handbook. Following the excellent sales of the fittings and numerous requests from our customers, we have now expanded the range to include the ingenious Stainless Steel and Brass fittings.

These innovative fittings, invented by Serto, provide a unique connection which can be installed with minimal preparation and removed without the need to move the tubes in any way. The union connection comprises three parts, the fitting - connector, tee, elbow etc. the clamping ring, and union nut.

The fittings are ready assembled and only require the tube to be inserted and the union nut tightened. This deforms the clamping ring so it grips the tube without damaging it, whilst at the same time pressing the face of the clamping ring against the face of the fitting. And that's it, the connection is made and will withstand pressure up to 250 bar. No gaskets, no seals - simple.



### Saint Gobain - High Purity tubes and fittings

Saint-Gobain Performance Plastics manufactures the industry's most complete line of high-purity PFA Furon® Flare Grip and Flare Grip II fittings to accommodate nearly all semiconductor or high purity applications. A wide range of accessories, engineered to complement the fittings, are also available. These include pressure regulators, valve box enclosures, tubing, pipe and much more. Saint Gobain have decades of experience in injection moulding of PFA and processing of PTFE, coupled with state-of-the-art equipment to assure accurate repeatable processes. This assures that their products meet or exceed the most stringent industry standards to satisfy the most critical fluid handling requirements.

To compliment the fittings we are also stocking PFA tubing, together with PTFE, PVDF and a number of Tygon products for specialist applications.

We have produced a new catalogue dedicated to these new products and copies are available on request. You can also register on our website [www.ipsflowsystems.com](http://www.ipsflowsystems.com) and download a pdf version.



## New Style Praher Valves

**The Praher K4 Butterfly Valve** is a lug style valve with universal drilling for mounting between flanges (DIN, ANSI and BS) The light weight, glass filled polypropylene body is available with either PVCu, Polypropylene or PVDF disc, dependant on the application and the liner, the only part in contact with the line medium, is supplied in either EPDM or FPM.

### Features:

- Glass filled polypropylene body
- Excellent flow rates
- Full liner with integrated material ID and position lock (liner will not pinch during disc seating)
- Full bolt circle - light weight body
- 316 Stainless steel hexagon shaft-non wetted
- Extrremely low stress distribution from shaft to disc due to hexagon shaft design
- Double O-ring shaft seals with PVDF non wearing shaft bearing
- Integrated ISO actuator mounting pad (mounting bolts included)
- Integrated valve mounting pad at bottom of valve for supporting piping system
- Multiple valve position locks for fine flow control
- Lockable rugged plastic (PPGF) handle with removable colour coded ID plate
- Service friendly - liner can be changed in minutes without special tools
- Universal drilling
- Pressure rating - 10 bar - all sizes



**The Praher K4 Check Valve** has been designed to eliminate the need for spacer rings when used in thick walled pipe. Just like the K4 Butterfly Valve, it is lug style and can be fitted between DIN, ANSI and BS flanges.

### Features:

- Sizes 2 1/2" to 12" (75mm to 315mm)
- Material: PVC, PPGF, PVDF
- O-Rings: EPDM, FPM
- Pressure Rating: 10 Bar
- Spring return
- Visual position indicator
- No spacer ring required
- Universal flange bolt pattern



Visual Position Indicator



Universal Drilling

## Actuation and Signalling

Previous actuator position indication equipment used various electro-mechanical devices housed in a standard switchbox.

Frequently they have been difficult to seal against the elements and often proved expensive to maintain.

When required to provide signaling on 1/4 turn namur actuators, IPS now fits the innovative M-VIP signaling device. The M-VIP includes hermetically sealed reed switches and is rated to IP67. The parts are manufactured from PBT - a thermoplastic with excellent chemical resistance, good mechanical strength and a working temperature range of -20°C to 80°C. It will comfortably withstand the rigours of outdoor use or wash-down.



Installed in around 5 minutes, there are no cams or levers to adjust, and once fitted the M-VIP will continue to operate for many millions of cycles without the need for adjustment or maintenance. A plug and socket version is also available.

## Low VOC Cements

**IPS Corporation** is the first in the solvent cement manufacturing industry to offer all of its Weld-On products in environmentally-responsible, Low VOC (volatile organic compound) formulations.

The comprehensive Weld-On range includes top-quality solvent cements and primers for PVC-U and PVC-C piping. It already features products such as the innovative Wet 'R Dry which will make effective solvent welded joints in extremely arduous conditions.

IPS pioneered the first Low VOC solvent cement for use on plastic piping systems in 1992. Low VOC products - with lesser VOC emissions - will contribute to cleaner air and better workplace conditions. Importantly they also offer the same quality and installation properties as non-Low VOC products.

Low VOC products are now stocked in our range as standard.



## New Welding Machines

The new generation of SP IR welding machines from Agru are leading the way in innovation in welding technology. The fully automated welding process creates the smallest and highest quality welding beads currently available, and provides unmatched repeatability and reliability during welding operations.

Data, including material, size, wall thickness, date, time and operator is all recorded and stored in the machines memory. The data can also be printed out onto labels via the integral printed, and downloaded onto a memory stick.

Designed primarily for High Purity PVDF and Polypropylene, parameters can also be uploaded for PFA material.

Three machines are available:

- SP110S for sizes from 20mm o.d. to 110mm o.d.
- SP250S for sizes from 110mm o.d. to 250mm o.d.
- SP315S for sizes from 110mm o.d. to 315mm o.d.

These machines are part of an extensive fleet of welding equipment available for sale or hire.

We also provide our customers with free of charge training for all the machines we supply. Please ask for further details.



## Mupro Pipe Clips

**Mupro Pipe Clamps** have been developed to provide secure fixing with minimal vibration or noise transmission.

Available in a variety of styles, the clamps are ideal for a wide range of applications. Suitable for metal pipes as well as plastics, some models can be used both as a support to allow some movement, or by simply removing spacers, they become anchor points.

Most clamps can be used on both metric and inch sized pipes and all feature captive fastening bolts, which makes installation simple.

A full range of accessories including studding and base plates is also available.

For further details please contact our sales team or complete the request form and fax it to us.



What's new in the pipeline

## Technical Website

The IPS websites are an invaluable source of technical information, as well as details of prices on our product range. The technical section provides downloadable files covering a wide range of technical subject to help you:

- Select the correct material for the job
  - Design a well planned system
  - Correctly fit and test an installation
- The section also provides a wealth of additional information on materials, standards and other relevant subjects. To check the latest information, visit [www.ipsflowsystems.com](http://www.ipsflowsystems.com) for industrial systems, and [www.ips-blazemaster.com](http://www.ips-blazemaster.com) for CPVC fire sprinkler systems.



## Vätternrundan 2011



Our congratulations go to two IPS team members, Andrew Lamb and Tony Charlton, who along with our customer Mark Davey of Northern Engineering Solutions, recently completed the world's largest recreational bicycle ride, the Vätternrundan in Sweden.

The Vätternrundan, held for the 46th consecutive year, starts and finishes in Motala at the north-eastern end of lake Vättern in south-central Sweden, halfway between Stockholm and Gothenburg. The event, circling the scenic Lake Vättern began at 7.30 in the evening of Friday 17th June with groups of 60-70 cyclists starting every other minute throughout the night.

Andrew, Tony and Mark started at 3.30am and completed the 300km course, in an amazing 17 hours 13 minutes.

This is the first time any of them had ridden in such an event, and whilst many competitors failed to finish, our team battled through pain and fatigue to complete this remarkable achievement. Suprisingly, despite the aches, pains and blisters, they are already looking into competing again next year.

### Request for information

July 2011

Please send me the following:-

- Information on these product(s): .....
- A hard copy of the IPS Handbook
- A copy of the IPS Handbook on CD

Name: ..... Job Title: .....

Company Name: .....

Address: .....

Postcode: ..... Telephone: .....

E-mail Address: .....

Main Business Activity: .....

**photocopy, complete and fax to 0191 521 3222**

### IPS Flow Systems

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PVCU



PVC



ABS



Polypropylene



Polyethylene



PVDF



High Purity



Comp Air



Environmental



Serto



Flow & Pumps



Fixings



Tools



Sheet & Rod