

# what's new in the pipeline

## Unique feature for metric PVC system

*The IBG metric range is now enhanced with the release of Pipe Design '98/2, simplifying the drawing of plastic piping systems for AutoCAD users.*

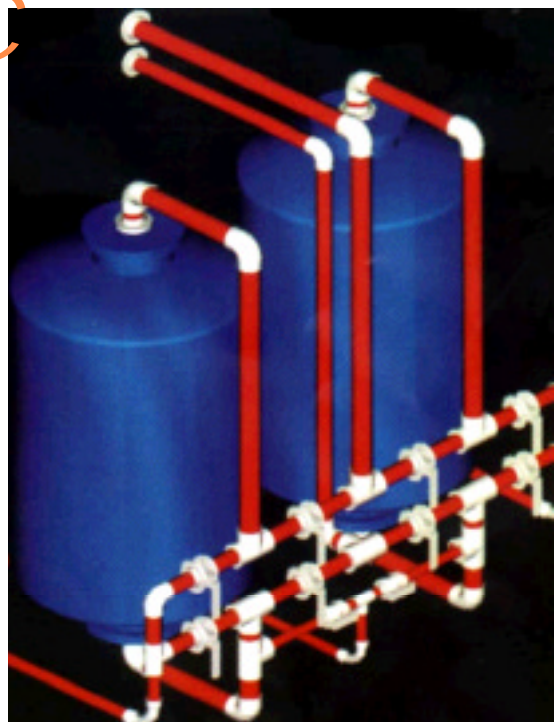
*Designers creating piping systems in PVC-U can now utilise the IBG "Pipe Design '98/2" program, running directly under AutoCAD release 13 or 14.*

*This latest version of the program allows piping layouts to be created rapidly in a 1:1 ratio, which means that there is a visible difference between large and small pipe diameters. The layout can then be shown in either a 2D or 3D view, the latter being ideal for presentations.*

*A key feature of the program is the ability to calculate the correct lengths for pipes (allowing for insertion depths on fittings), and also to estimate the quantities of cement and cleaner required. It will also produce a pre-fab parts list showing cut lengths of pipe, as well as a complete bill of materials with part numbers and descriptions.*

*IBG metric PVC-U fittings are manufactured under stringent quality controls, to meet the DIN 8063 standard. They have also been assessed under the Water Bylaws Scheme as an approved product to handle cold potable water. The wide range covers sizes from 10mm O.D. to 500mm O.D., in a choice of pressure ratings from 6 bars to 16 bars.*

*The complete IBG range is featured in the current IPS Handbook, and a comprehensive technical catalogue is also available. Details on IBG "Pipe Design '98/2" are available on request.*

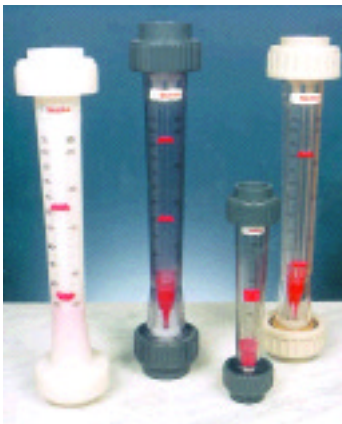


# PVDF Flowmeter monitors highly corrosive liquids

*Variable area flowmeters are installed directly into vertical pipes to provide accurate flow monitoring at low cost needing minimal maintenance once installed.*

*The variable area flowmeter uses a precision moulded transparent or translucent tube with a tapered bore, into which is fitted a conical float. When installed vertically in a pipeline, the flow of the media in an upward direction through the tapered tube will displace the float and lift it to a point where equilibrium is established between the lifting force of the media and the weight of the float.*

*The exterior of the tube displays a measuring scale which can be calibrated to customers' requirements, together with adjustable upper and lower flow range markers. The position of the float against the scale or the markers provides a simple but accurate flow measurement. When external monitoring is required, a magnetic float is available together with upper and lower level electronic limit switches.*



*ASV Stubbe flowmeter tubes are available in PVC-U, Polyamid and Polysulfone, to meet a variety of process applications. End connections can be supplied in PVC-U, PVC-C, PVDF and Polypropylene. The ASV range also includes an all - PVDF flowmeter, using a translucent PVDF measuring tube with spigot or socket end connections. This product is highly resistant to corrosive fluids, and can be used at temperatures up to 120°C. It provides reliable, low maintenance flow monitoring for critical applications.*

*Information on the ASV Stubbe flowmeter range is available on request.*



# in brief.....



Corzan™ PVC-C Fabrication Guide

A comprehensive guide to fabrication techniques using Corzan™ PVC-C is available from IPS.

PVC-C has unique advantages to offer in process applications, and IPS has the widest choice of products available. Easy to handle and assemble using standard tools and techniques, Corzan™ PVC-C is the ideal choice for piping systems and for fabrication.

In addition to the new guide which offers advice on hot air and butt welding, IPS can also provide installer training for solvent welded piping systems, either at our new training facility or on site.



Drainage system for aggressive fluids

The chemical and semi-conductor industries frequently produce highly aggressive waste liquids, and require drainage systems to handle them across a wide temperature range.

AGRU DRAIN is a unique drainage system manufactured from PVDF, capable of handling a wide range of industrial acids, bases and solvents, even at high temperatures. It has extremely good mechanical properties, ensuring system integrity over a long lifetime.

Manufactured using green material to differentiate it from standard PVDF, the system comes in sizes from 75mm O.D. to 160mm O.D., and can be joined using standard butt welding techniques.



Coating helps protect pipes

A unique brush applied coating will help extend the life of plastic piping systems by reflecting more than 80% of damaging UV light, and will dramatically reduce thermal expansion of the pipework due to UV heating.

AGRU COATING is applied in a single application, and dries to a permanent white finish. It is non-conductive, resists stress cracking, and has a considerably longer life than common paints. After application using a brush or spray gun, it dries ready to use within 30 minutes.

As a separate benefit AGRU COATING acts as an insulating layer and will reduce condensation on systems handling cold liquids.



New Polypropylene Butterfly Valve

The new Praher S4 Polypropylene Butterfly valve is now available from stock.

This high integrity valve is suitable for corrosive applications, and can handle flow in either direction. Manufactured in sizes to fit 3" (90mm O.D.) to 8" (225mm O.D.) piping, it can safely handle operating pressures of up to 10 bar, depending on the size.

The valve can be supplied with hand lever or gear operation, and it can also be electrically or pneumatically actuated directly using the DIN standard mounting plate on the valve.

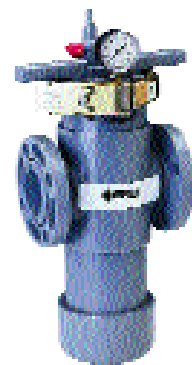
## Basket strainers protect process equipment

By performing the basic but vital function of removing foreign materials from a piping system, basket strainers can help avoid costly system shut-downs.

The new Spears large capacity basket strainers are manufactured from heavy bodied PVC-U and PVC-C to suit a wide variety of applications. Available in sizes from 2" to 12", there is a choice of socket, spigot or flanged ends, and EPDM, FPM or PTFE encapsulated O-ring seals.

A convenient quick release clamp cap is fitted with a safety pressure gauge and pressure release ball valve for safer system operation and strainer cleaning. An additional drain plug is located in the base to allow complete draining and flushing.

The Spears basket strainer will operate safely at continuous working pressures of 10 bar, and can be ordered with a choice of PVC-U or PVC-C baskets in standard 1/16" or 1/8" perforation, or with Stainless Steel baskets in perforated or standard mesh sizes.



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## IPS - setting the standards

*International Plastic Systems is the UK market leader in industrial plastic piping systems.*

*IPS is also the European partner for some of the world's leading plastic systems manufacturers.*

*We have a reputation for quality, customer service and technical know-how gained from many years experience in our industry. Our sales team is drawn from piping designers, contracts engineers and plastic industry specialists. Several are trained piping installers with many years experience in the field, and we can offer real practical help.*

*Our stock range includes piping systems in all thermoplastics, as well as corrosion resistant supports, process and flow monitoring equipment, and installation tools. From our large new facility in the North East of England, we ship products daily throughout the UK, Europe and regularly worldwide.*

*The full range of products is shown in the current IPS Handbook - a 300 page fully priced guide to industrial plastic piping systems. To request your free personal copy, please complete the form below and fax it back to us on 0191 521 3222, or telephone our sales team.*

**Request for information**

Please send me the following:-

Information on these product(s): .....

A copy of the IPS Handbook

Name: .....

Title: .....

Address: .....

Postcode: .....

Telephone: .....

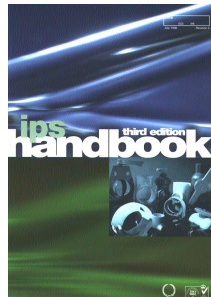
Main Business Activity: .....

Please also send information to my colleagues:-

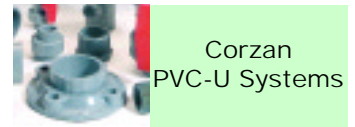
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PVC-U Systems



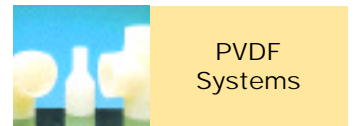
Corzan PVC-U Systems



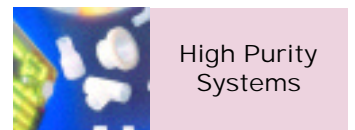
ABS Systems



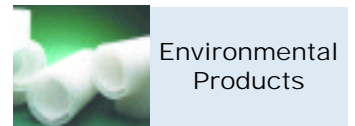
Polypropylene Systems



PVDF Systems



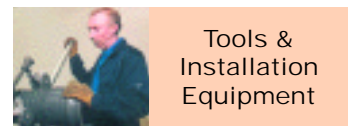
High Purity Systems



Environmental Products



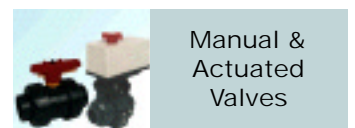
Fixings & Supports



Tools & Installation Equipment



Measurement & Control



Manual & Actuated Valves