

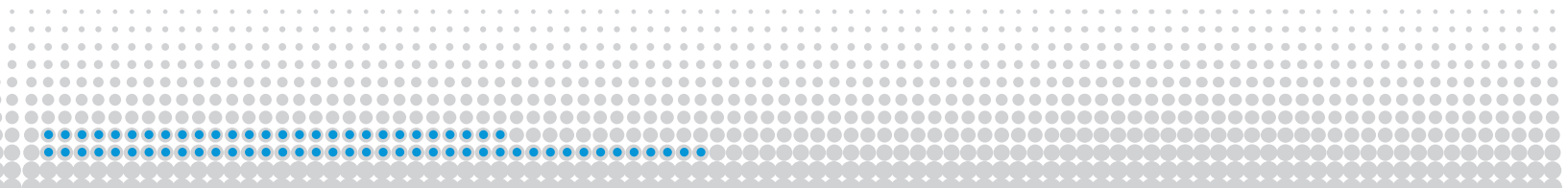


PAAS

Piping and Automation Systems



Company Overview



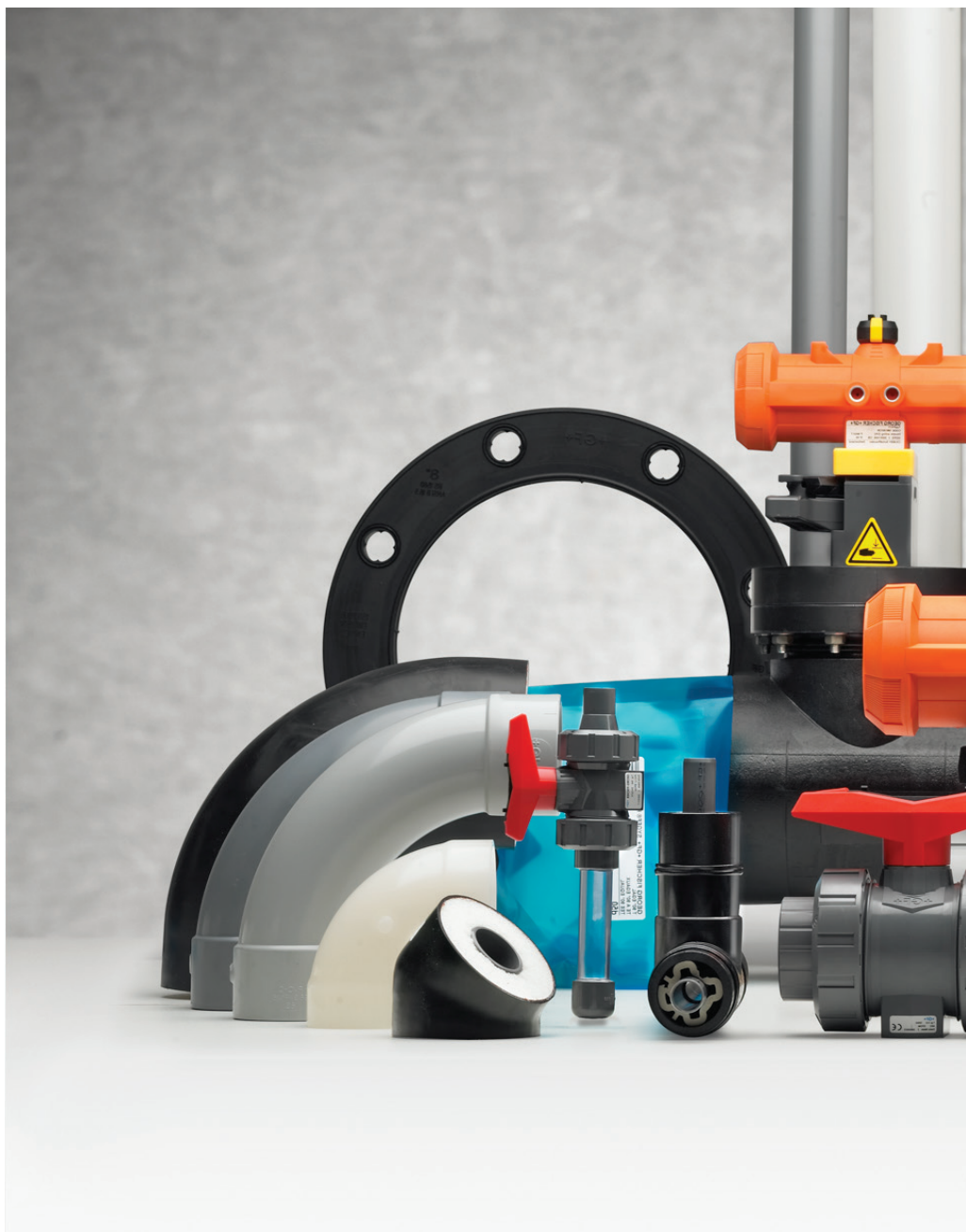
PAAS— An industry leader of plastic piping systems

Piping & Automation Systems is a leading supplier of piping systems in plastic, with a national market presence and over 30 years of Industry experience.

Our goal is to deliver the highest level of service to you.

Our commitment to this goal is achieved by a focus on availability of product, fast distribution, flexibility, innovation and the assurance of high quality products.

We pride ourselves on being able to offer the support and solutions you require.



At PAAS, we listen to what the customer needs. Then using our application knowledge and suppliers, we convert your needs into a working solution.

Integrity, trust and ethics create the close relationship between success and customer satisfaction.

Our goal is complete customer satisfaction, not once but every transaction the customer has with PAAS.

Nigel Langridge
Director



Our Goal “Consistently deliver value to your business”

Achieved via:

Availability of products

Fast Distribution

Flexibility

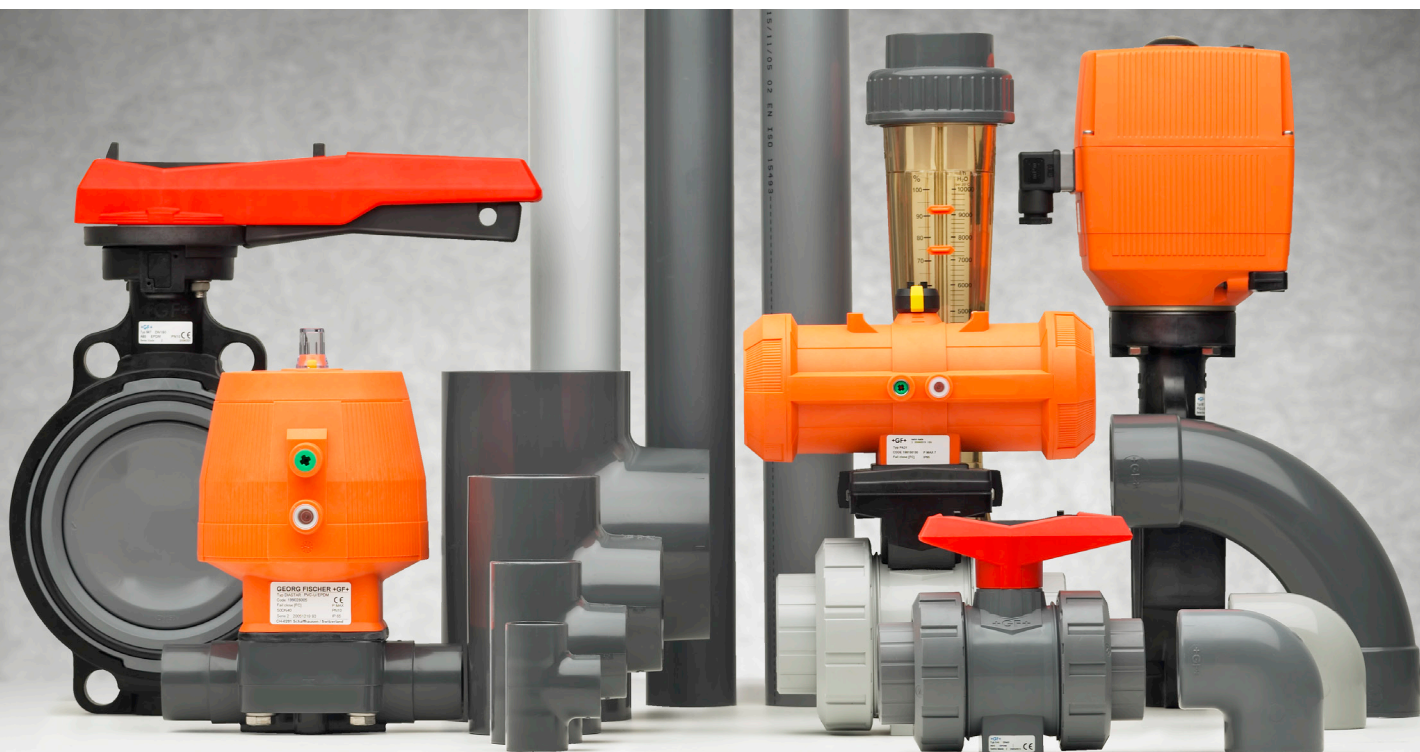
Innovation

Known & Trusted Brands

Our Mission

Provide an open, honest and transparent relationship between our customers and PAAS.

Materials— Solvent Cement



ABS

» Acrylnitrile-Butadiene-Styrene has high impact resistance - even at very low temperatures. The low heat conductivity supports its use in cold and climate-controlled areas.

Advantages:

- high impact strength even at low temperatures
- single installation via solvent cement joints
- low heat conductivity
- halogen free

SCH80 PVC-U & C-PVC

» Highly suitable for both interior and exterior applications, as well as for buried pipelines. PVC-U & C-PVC have excellent chemical resistance, which combined with smoothness of bore, eliminates build-up of scale and gives good flow characteristics which remain constant throughout the working life. Being odourless & tasteless, both materials are suitable for conveying drinking water and many food products.

Advantages

- good abrasion resistance and weathering qualities
- good thermal and electrical insulation
- clean, light to handle
- easily jointed

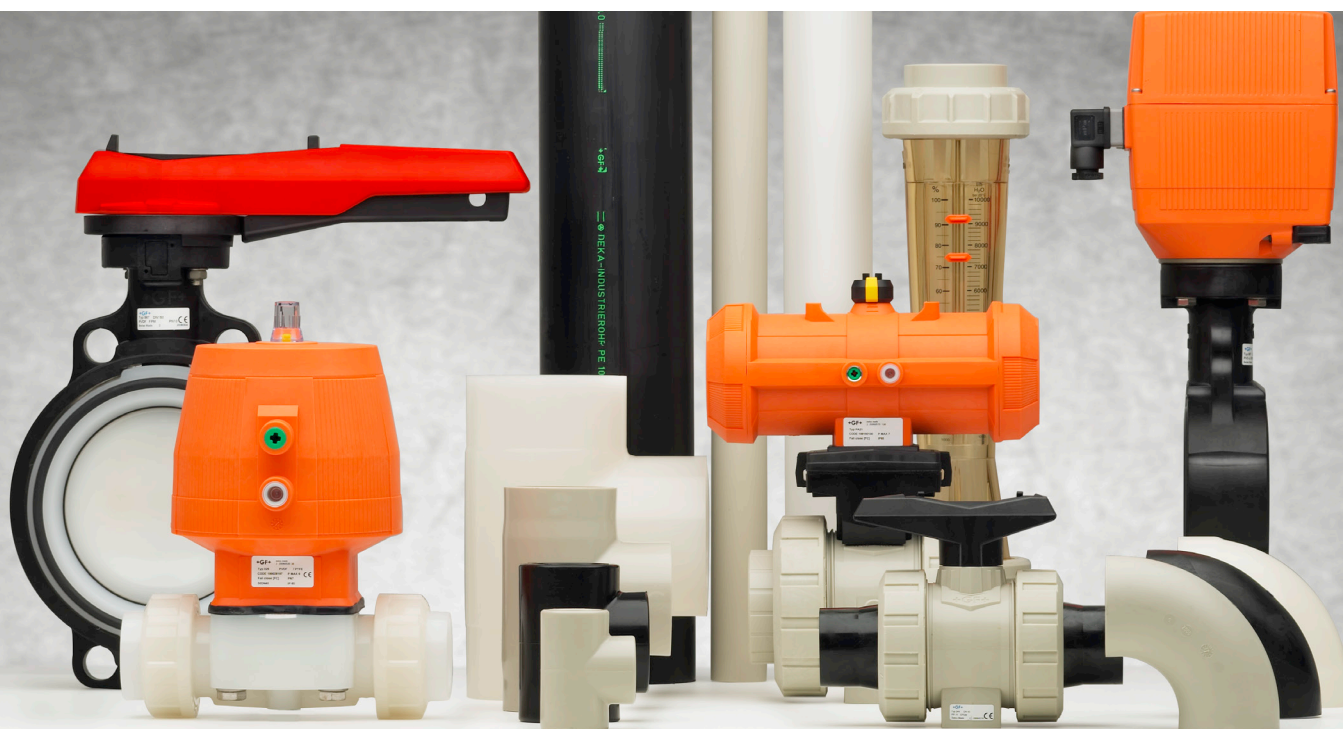
PE

» The most widespread use of polyethylene in pipeline construction is for ground-layed gas and water pipes. But its benefits are also utilised in household technology and in industrial pipeline construction.

Advantages:

- outstanding flexibility
- high impact resistance even at very low temperatures
- safe and easy joining by welding
- excellent cost-performance ratio

Materials— Fusion Weld



PP-H

» Polypropylene has become a key material for pipeline construction thanks to its mechanical properties, its chemical resistance and especially its resistance to thermal distortion

Advantages:

- good corrosion-resistance
- high impact strength
- high thermal ageing and thermal forming resistance
- outstanding weldability

PVDF

» Suitable for the delivery of pharmaceutical grade purified water (PW) and DI water, using hot water, steam chemical or ozone sanitisation. Due to its excellent chemical resistance it is widely used in chemical distribution systems.

Advantages:

- outstanding mechanical properties, even at high temperatures
- long service life, even under intensely corrosive conditions
- very pure material by implementing without additives
- safe and reliable system by high-quality welding technology
- smooth inner surface

Materials— Featured Products & Systems



DOSING EQUIPMENT

- » Back Pressure Valves
- » Braided Hose
- » Static Mixers
- » Pulsation Dampeners
- » Pressure Gauges
- » Gauge Guards
- » Calibration Columns



INJECTION VALVES

- » Injection valves are designed to ensure a chemical feed system injects directly into the centre of the process stream; ensuring efficient mixing and preventing corrosion along the inside of the process pipe.
- » Quill and lance options available
- » Socket and Electro Fusion system
- » Material options: PVC , PVDF, Stainless Steel



DOUBLE-SEE

- » Sch80 piping in pipe systems
- » Solvent cement system
- » Material options PVC-U / CPVC
- » Clear outer PVC-U for visual inspection
- » Adaptable to leak detection systems
- » Indoor / outdoor use

Materials— Featured Products & Systems

ELECTRO FUSION

- » PE (Polyethylene)
- » Wide range of fittings
- » Sizes from d20 to d800mm
- » SDR11 & SDR17 options
- » Quick & easy installation



BACKING RINGS

Materials:

- » Gavanised Steel
- » Stainless Steel
- » PP-V
- » PP-Steel

Drilling Patterns

- » Table D/E,
- » ANSI 150,
- » DIN



PIPE CLIPS & ACCESSORIES

- » Plastic pipe clips are designed to support and reduce damage or overstress of the pipe.
- » Loose and fixed options available
- » Sizes from d16mm up to d400mm
- » Spacers (packers) available to raise the clip height
- » Suitable for indoor & outdoor use.



Measurement and Control

Signet Instrumentation delivers sophisticated, advanced flow and analytical technology, which offer accuracy, dependability, ease of use and minimal maintenance. Every sensor, transmitter, controller and monitor manufactured meets the highest standards. Engineered for performance, Signet products are ideally suited for CPI, Water and Wastewater Treatment, Food and beverage, Life Sciences, Semiconductor and Agriculture.

Instrument Product range

Flow > Paddle > Turbine > Magmeter > Ultrasonic

Analytical > pH/ORP > Conductivity > Turbidity > Free Chlorine

Level > Pressure > Ultrasonic

Temperature > Pressure

Sensors > Transmitters > Controllers



Control Accessories

Dosing pumps

Calibration Columns

Static Mixers

Pressure Control valves

Gauge Guards



Electric and Pneumatic Actuators

Electric > Ball > Butterfly

Pneumatic > Ball > Butterfly > Diaphragm



Joining Technologies

From a handful of fittings to fully engineered solutions, the staff at Piping & Automation Systems have the knowledge, skill and edge you need. Providing superior solutions for applications and systems to meet the increasing demands of industry. Quality products that meet and exceed industry standards, incorporating leading edge technology and innovation.

Fusion Joining

Electrofusion

Socket Fusion

IR Weld > infra red welding

BCF Weld > Bead and crevice free



Solvent Joining

Solvent Cements

Thread sealant

Acrylic Paste



PIPING & AUTOMATION SYSTEMS

has a Georg Fischer factory endorsed service centre for:

- » Electrofusion
- » Buttwelding
- » Pipe preparation +GF+ tools
- » Install Books
- » E/F Weld Times
- » Dosing Skids



Industries



Water Treatment

RO / Permeate lines

Chemical dosing

Chlorine / Ozone / Fluoride

Flow control monitoring

Pressure control

Level and pressure
transmitter

Automation

Safety showers

Energy & Power

Cooling tower control
systems

Demineralised water

Inhibitor / Boiler dosing

Algae production

Safety Showers

Instrumentation

Automation

Food & Beverage

Water treatment

Waste plants

Chemical dosing

CIP systems

Batching systems

Wash down bays

Instrumentation





Chemical Process

Chemical transfer

Chemical dosing

Batch control

Cooling tower
control systems

Production

Instrumentation

Automation

Commercial Pools

PH / ORP

Instrumentation

Chemical dosing

Filtering Plants

Automation

Building Services

Hot and cold
water systems

Plant rooms

Filter plants

Cooling tower
control systems

Pharmaceutical

CIP systems

RO / Filter plants

BCF (Bead and crevice free)
piping systems

Tri-clamp connections

Water Treatment

Containment
piping systems

FDA / USP Approved
piping systems





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