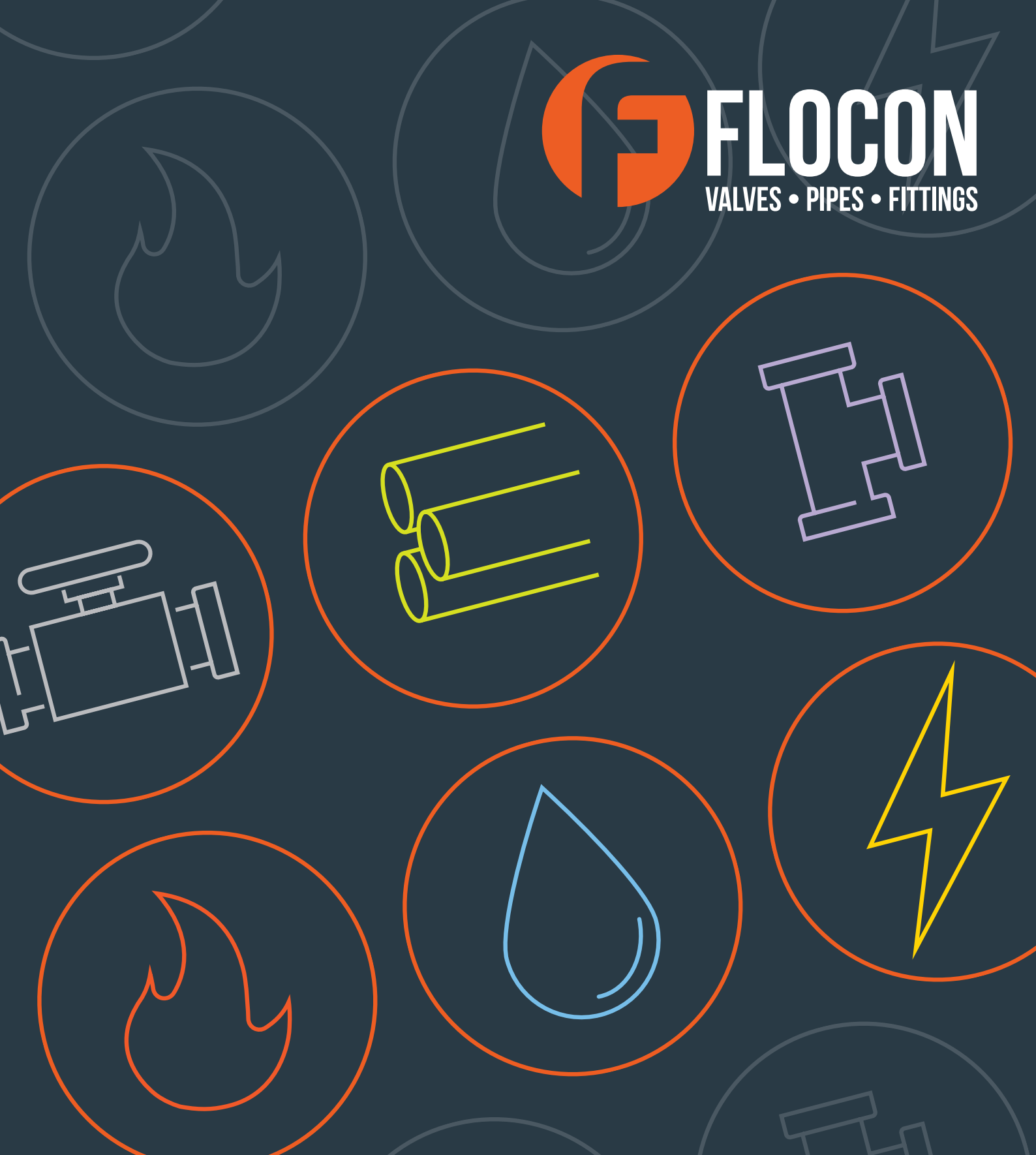




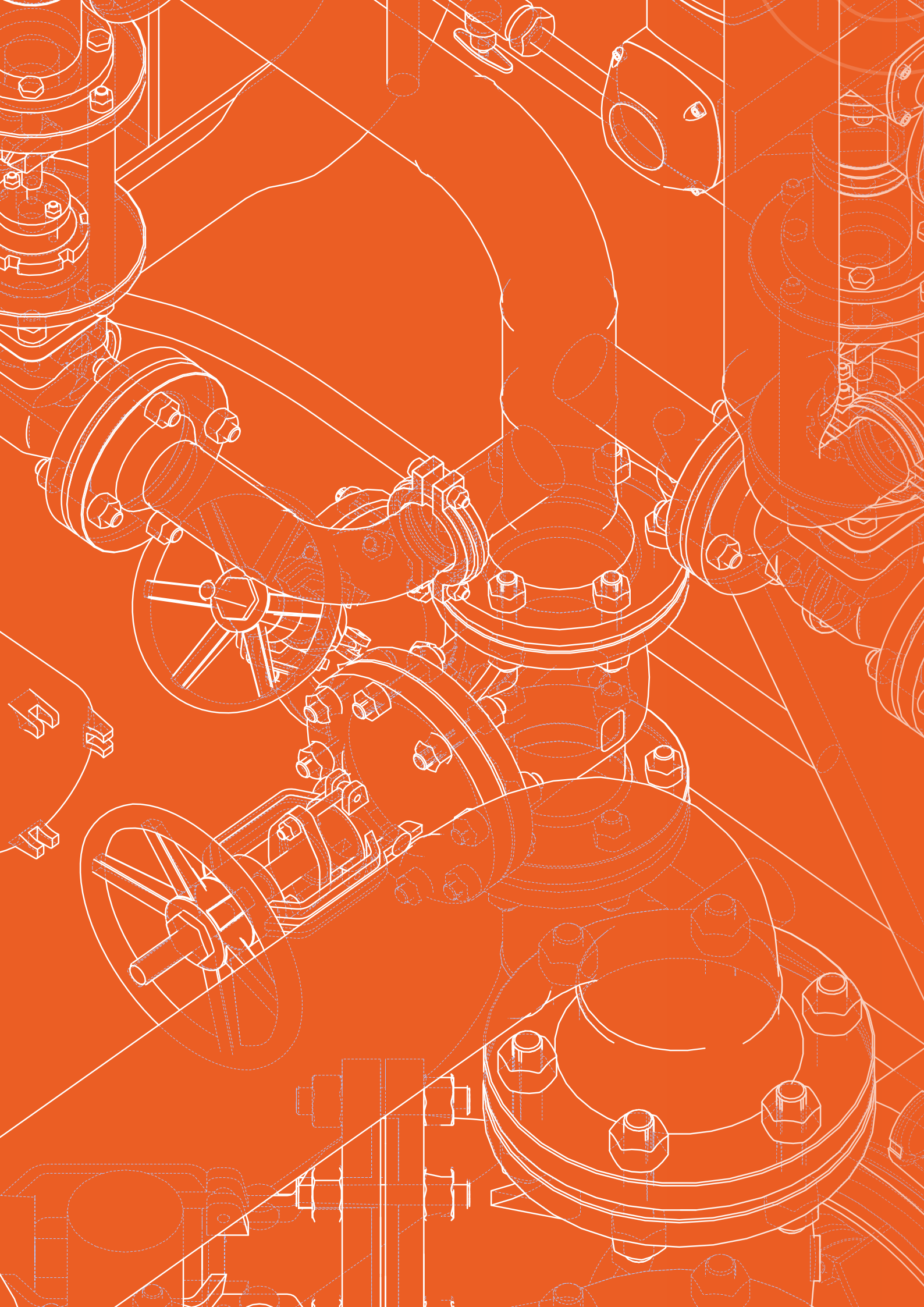
FLOCON

VALVES • PIPES • FITTINGS



GAS AND WATER

Specialist sourcing for utility pipelines



**FLOCON IS A LEADING, INDEPENDENT
DISTRIBUTOR OF PRODUCTS AND
SUPPLIES THAT ARE ESSENTIAL TO
THE PIPELINE INDUSTRY.**

Contents

Understanding your needs	4
What to expect	5
Section 1: Pipes	6
Section 2: Electrofusion and Fabrication	10
Section 3: Compression fittings	12
Section 4: Metering	13
Section 5: Valves	14
Section 6: Ductile iron fittings	15
Section 7: Repair and protection	16
Section 8: Equipment hire	19
Ancillaries	20

UNDERSTANDING YOUR NEEDS; MEETING YOUR REQUIREMENTS...

With hundreds of customers scattered the length and breadth of the country, we support all types of industry sectors from utility suppliers, manufacturing companies and hospitals, to food processing plants, breweries and many more.

Experience and product knowledge

Flocon is a family-run business that began trading in 1990. Within this time, we have developed an expert product and industry knowledge, as well as building a reputation for offering an unrivalled level of service within our industry.

Between us, we have over 150 years of experience in the pipeline industry and form part of a broad network of experts, ensuring that our customers have first-hand access to informed, comprehensive advice about pipeline products and their applications.

We are a company that genuinely cares about its customers. We go above and beyond to provide each of our clients with service excellence at every level.

Certification of our ISO 9001 quality management system demonstrates our commitment to consistency, continuous improvement and customer satisfaction.



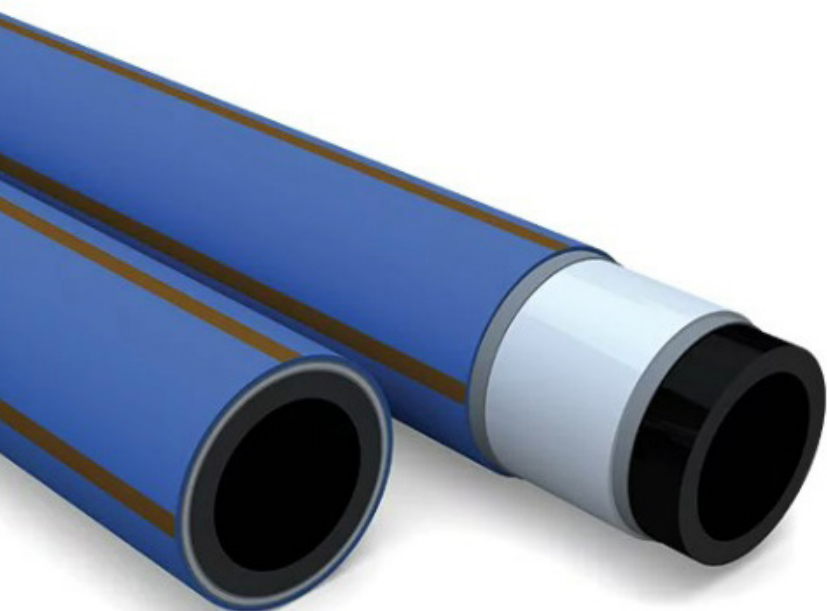
WHAT YOU CAN EXPECT

	<p>Excellent technical advice Over 150 years of pipeline industry experience</p>
	<p>Site Visits Need to meet with one of our team to discuss a project on a 1-2-1 level?? We are able to meet you on site at a time that's convenient for you.</p>
	<p>High quality products from leading suppliers We stock a vast array of products from high quality brands such as Georg Fischer, Aliaxis, Peak and Plasson.</p>
	<p>Pre and post sales support Customer service excellence at the heart of everything we do</p>
	<p>Shop with us 24/7 Head to flocon.co.uk to browse and shop our extensive product lines. Orders for stocked items can be placed as late as 4pm for next day delivery to local addresses, and within 48hrs to other areas of the UK</p>
	<p>Tailored account services Flexible and reliable account management tailored to your needs, delivering what you want, when you want it.</p>
	<p>Fast delivery Orders for stocked items can be placed as late as 4pm for next day delivery to most local addresses, and within 48hrs to others areas of the UK.</p>

SECTION 1: WATER PIPES

Aliaxis Protecta-line Water Barrier pipes

For over 25 years Protecta-line has been the original and trusted barrier pipe system by water companies and house builders alike. Contractors, property developers and water utility companies can be assured that, when opting for a Protecta-line solution, the ultimate in safer and reliable pipeline is being installed to site. Offering protection for buried electric cables, excavation machinery and rodent damage, Peak's duct solution also allows for manageable heat dissipation from cables to ensure stable operating conditions.



Flocon are able to supply a comprehensive range of Protecta-line products from 25mm to 630mm

How the system works:

A multi-layer construction consisting of polyethylene core to carry clean water.

The aluminium barrier prevents the ingress of all known contaminants.

- Suitable for corrosive conditions
- Can be used for trenchless installations
- Brown stripes provide easy identification and comply with NJUG regulations
- Proven protection against all recognised brownfield contaminants
- All the installation advantages of polyethylene

Features & Benefits:

- 25-63mm pipe and mechanical fittings in stock
- 90-180mm pipe and electrofusion fittings in stock
- No expensive soil sampling required
- Proven protection against all recognised brownfield contaminants
- Save on landfill costs
- Dedicated fittings
- Lightweight and flexible
- Excellent lifetime cost savings
- Kitemarked system
- Peace of mind from using a proven product
- BS 8588 approval

Polyethylene pipes – Water

Our polyethylene pipes are ideal for potable water applications and are BS EN 12201 compliant. Highly flexible, lightweight, robust and tolerant to ground movement, the pipes can withstand high pressure applications into clean water networks.

Blue MDPE Coils

Flocon are able to offer coiled blue mdpe PE80 SDR11 coils in sizes 20mm-63mm and 90-180mm HPPE SDR17 6mtr lengths rated to 10 bar. Carefully banded for safe transportation, handling and storage, all coils area capped for sanitation purposes.

Larger length and sized pipes, fittings and extended quantities are available on request and can also be delivered direct to site with offloading equipment.

Features & Benefits:

- Below ground and potable water
- Flexible and lightweight with tolerance to ground movement
- Can be joined by compression, Electrofusion and butt welding to create a sealed, fully end-load bearing pipe system
- Easy installation and maintenance procedures compared to other materials
- WRAS Approved
- Meets BS EN 12201 standard.



SECTION 1: GAS PIPES

The go-to choice for Gas transportation

Our range of polyethylene yellow piping is the 'go-to' for gas supply piping networks. Manufactured from high grade polyethylene, the pipe is robust, corrosion free and is fully compliant with GIS standards.

Highly flexible and easy to install, the pipes have a broad range of accompanying electrofusion and butt fusion fittings, making the system a highly flexible solution, ideal for new installations.

The pipes can be installed using trenchless methods, such as directional drilling, as well as traditional open cut techniques. Available in straight length sticks or coils, the piping offers excellent lifetime cost savings in comparison to traditional materials.



Flocon are able to supply yellow coils from 25mm-63mm mpde PE80 SDR11, and 90-180mm mdpe PE80 SDR17.6 6mtr lengths for low and medium pressure ratings from stock.

90mm+ sizes available in both 6/12mtr lengths and 50/100mtr coils delivered direct from the manufacturer*.

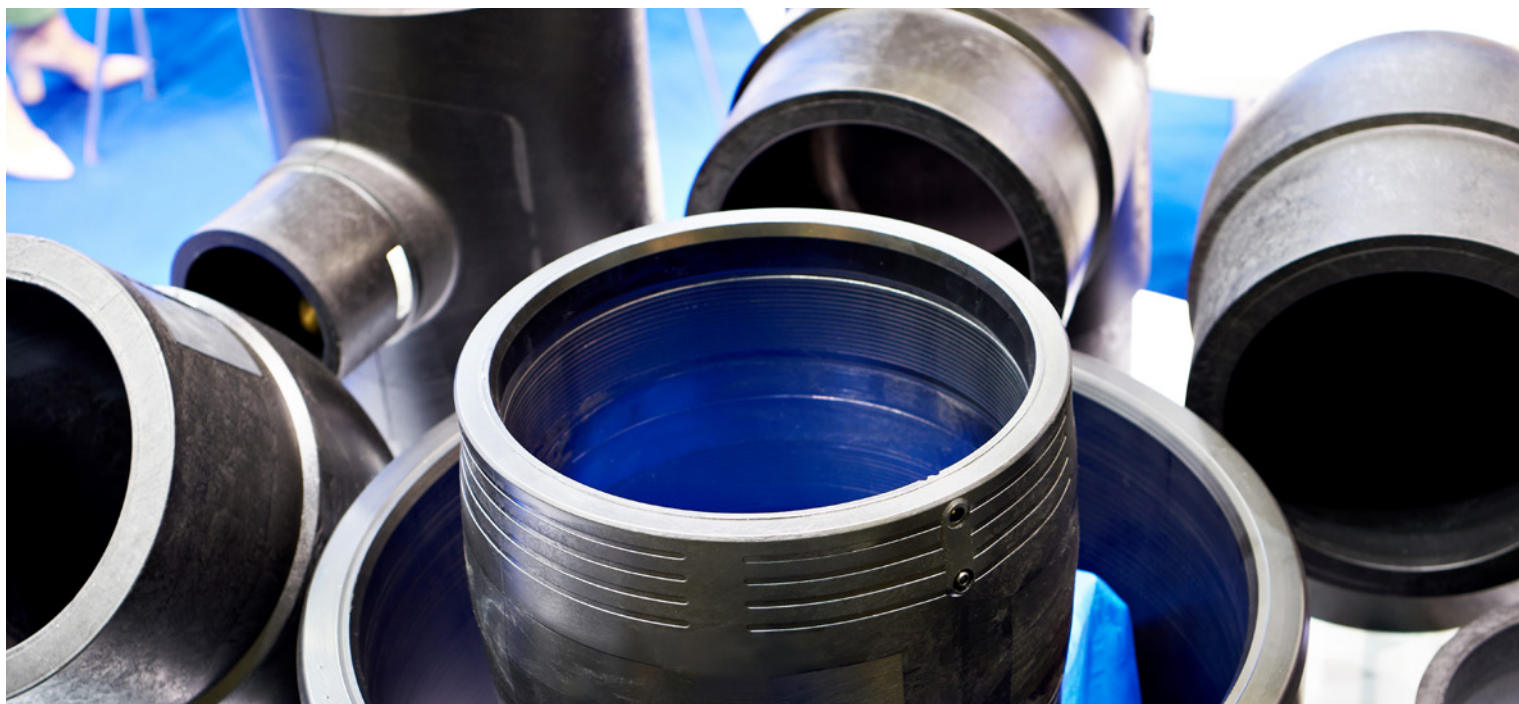
*Subject to min order value/quantities and national delivery milk run schedule.

Features & Benefits:

- Flexible and lightweight
- Tested and approved in accordance with GIS/PL2 specifications
- Manufactured from PE80/PE100 material
- Excellent lifetime cost savings
- Ample accompanying electrofusion and butt weld fittings
- Corrosion free and robust
- Fabrication fittings essential for robust pipeline installations

QUALITY PRODUCTS AND FITTINGS FOR WATER AND GAS PIPELINES

SECTION 2: ELECTROFUSION & FABRICATION



Electrofusion & Fabrication fittings for robust pipelines

Suitable for multi-utility applications, Flocon stock a range of electrofusion gas and water fittings conducive to robust, long-lasting gas & water pipelines.

We understand the importance of using high quality fittings and as such, we work in partnership with leading manufacturers to ensure that we offer a broad range of associated products including specialist fabrications to suit every pipeline project.

These can include pupped flanges, various degree bends, reducers tees etc. Bespoke fabrications can be quoted on request, **but will need an illustration or dimensions drawing for accuracy.**

SECTION 2:

ELECTROFUSION & FABRICATION (CONT'D)

Electrofusion fittings

Flocon's range of electrofusion fittings are designed and engineered to the highest standard and quality for jointing polyethylene pipes. The result is a fully integrated water & gas piping network that utility and construction companies can depend upon.

A robust and reliable solution, the electrofusion fittings have exposed heating coils to provide a consistent heat transfer during fusion to achieve maximum bonding between the materials, this allows for high pressure applications.



Flocon are able to supply electrofusion fittings from stock in sizes 25mm to 180mm.

Features & Benefits:

- WRAS & GIS approved
- Exposed heating coils
- Maximum bonding
- Perfect for high pressure installations
- Extended body couplers to counter pipe-end-reversion
- Conical ring couplers to counter pipe ovality
- Fast & easy installation
- No risk of joint corrosion
- Proven barrier protection against contamination
- Larger fitting insertion depth



Fabrication Fittings

Flocon work closely with leading suppliers that have comprehensive polyethylene fabrication capabilities. We can arrange fabrication butt fusion fittings to suit all requirements from 63mm up to 630mm and all are available on fast turnaround times. Larger sizes may be subject to longer lead times.



SECTION 3: COMPRESSION FITTINGS

Plasson: Mechanical/ Compression fittings

As used by a multitude of UK water utility companies the length and breadth of the country, Flocon holds a range of WRAS approved mechanical/compression fittings in sizes 20mm-63mm rated to 16bar.



Features & Benefits:

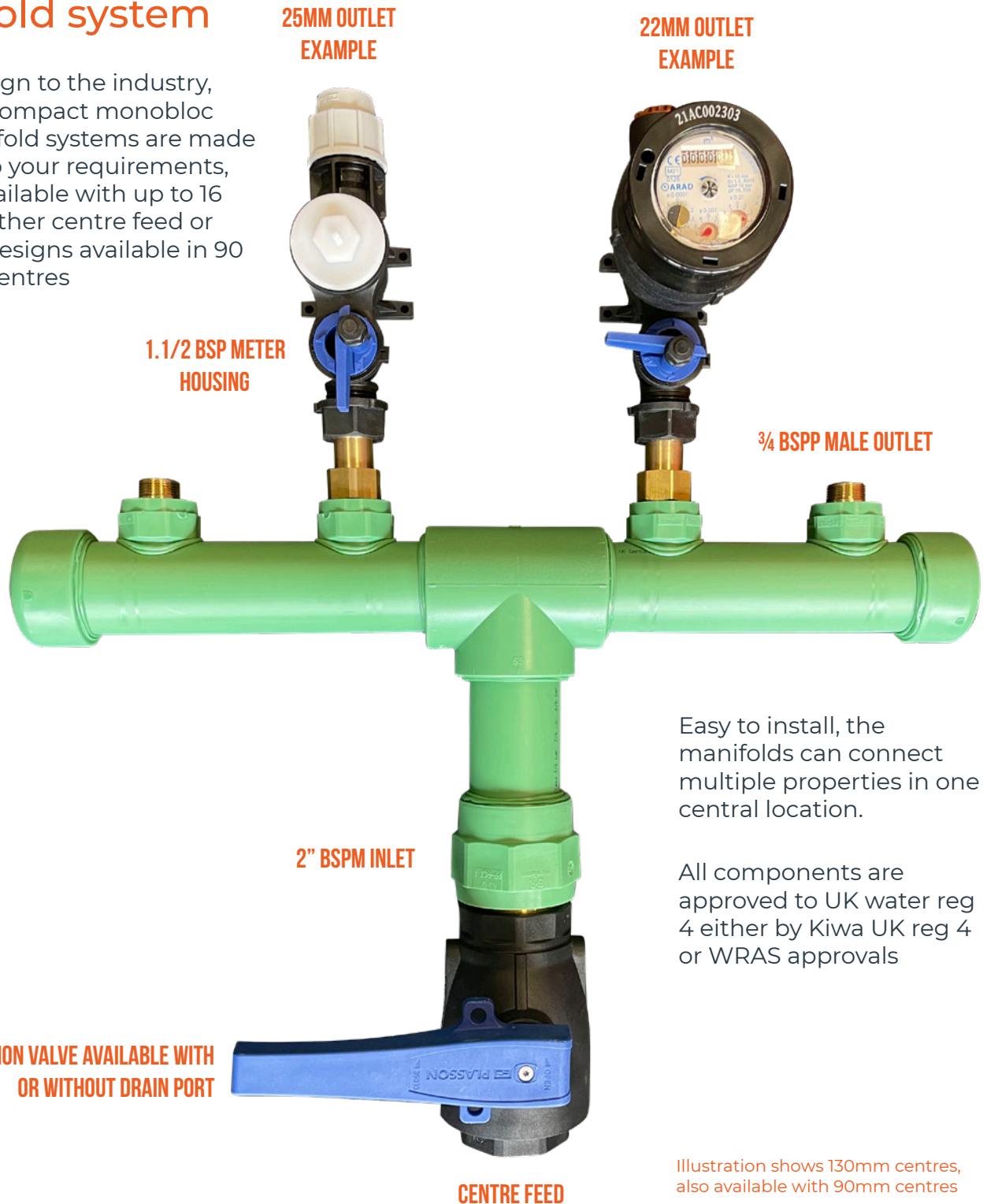
- WRAS approved
- Captive O ring
- Simple installation process
- 16 bar rated
- Suitable for installation above and below ground
- Robust and durable
- Quick installation



SECTION 4: METERING

Plasson MCP manifold system

A new design to the industry, Plasson's compact monobloc MCP manifold systems are made bespoke to your requirements, and are available with up to 16 ports on either centre feed or end feed designs available in 90 – 130mm centres



Easy to install, the manifolds can connect multiple properties in one central location.

All components are approved to UK water reg 4 either by Kiwa UK reg 4 or WRAS approvals

Illustration shows 130mm centres, also available with 90mm centres

SECTION 5: VALVES

Innovative Gas & Water Valves

Flocon stock a range of DN80-DN150 PN16 flanged valves from leading producers and suppliers. Designed using innovative technology and high-grade materials, we're able to source and supply Type B GIS approved Aeon gas, as well as ECO WRAS approved valves.

Gas valves are available to order in ranges from DN50 to DN300. Handwheels & indicators are available for above ground installations



Type 2 Fire Hydrant DN80
SS 304 outlet



Flanged resilient seat
gate valve

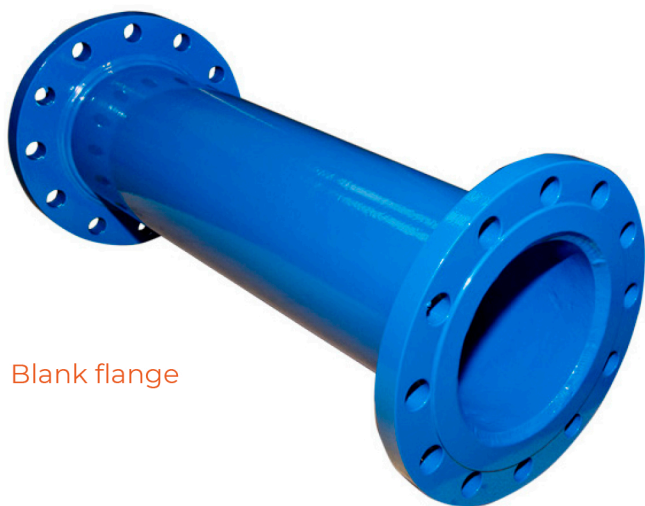


Flanged gas type B opti
valve plus. GIS V7

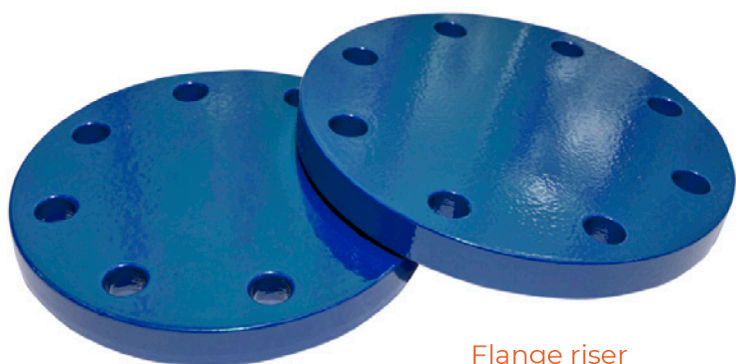
SECTION 6: DUCTILE IRON FITTINGS

Ductile iron fittings are suitable for potable water transmission in accordance with BS EN 545.

The fittings can be easily installed and can be fitted in all-weather conditions. The inherent structural strength and durability of ductile iron guarantees durability and reliability for long term service.



Blank flange



Flange riser



Flanged 90° bend

Features & Benefits:

- Suitable for potable water in accordance with BS EN 545:2002
- WRAS approved
- Ductile iron
- Provides continued performance
- Excellent corrosion resistance
- GJS-400 (GGG-40)
- Epoxy coated according to DIN 30677-2 and GSK specifications internally and externally
- PN16 Flange

Flanged 45° bend



SECTION 7: REPAIR & PROTECTION

We've got you covered...

In order to assist you in the application and installation of the products and materials we supply, Flocon has refined a vast range of quality consumable and ancillary products to enable our customers to apply products safely with maximum efficiency.

Repair Clamps

Flocon's range of wrap around repair clamps are manufactured from high grade stainless steel and come complete with EPDM or NBR gaskets, as required. The clamps are capable of repairing pipes with small holes to full circumferential breaks.

Highly economical, they provide a permanent, reliable repairing solution. Lightweight and easily installed the clamps are available in a wide variety of sizes.



Features & Benefits:

- Suitable for ductile iron, cast iron AB/CD, PVC, steel, PVC, HDPE and asbestos cement pipes
- WRAS approved
- Pressure ratings to your requirements from 4 bar to 30 bar
- Life expectancy 50 years in normal operating conditions
- Captive bolts eliminate loose parts
- Self-stabilising finger brackets to prevent bolt bending
- Corrosion proof

Georg Fischer Waga Fittings

Universal repair fittings in the form of couplers, reducers, flanges and caps with fully restraint end loading and 8 degree angular movement deflection features. For use with both water and gas* pipelines and and compatible with most materials.

Flocon supply a range of GF Waga mechanical fittings quick repair solutions on both above and below ground networks. Maintenance free, the fittings are easy to install and are manufactured with high quality materials to ensure their longevity.

GF Waga UNI-Coupling

Connecting pipes couldn't be easier with the GF Waga UNI-Coupling. With a rubber seal for irradiating the hazard of leaks, the grip within the barrel makes for a reliable and restrained connection. A time and cost saving solution, the UNI coupling can be installed quickly and due to its broad scope, the fitting can be connected to an array of pipe types at a multitude of diameters.

Features & Benefits:

- Quick and easy to install
- Patented rubber ring removes leak hazards
- Highly reliable connection
- Safer than a flange connection
- Faster than weldable alternatives
- Metal to metal construction
- Metal to plastic construction

Features & Benefits:

- Manufactured from high grade cast iron
- Wras approved
- For use on above & below ground
- Easy installation & quick repair
- Can be re-used
- Maintenance free
- Long life span
- DN50 – DN150 stocked, available up to DN800



Inserts to be used on PE

*Gas version new to GF, price on application

SECTION 7:

REPAIR & PROTECTION (CONT'D)



Sylwrap Repair Bandages

The Sylwrap repair bandages from Sylmasta are water activated bandages used for strengthening, protecting and reinforcing damaged pipelines to increase their longevity.

Repairs can be carried out on pipes of all sizes made of steel, stainless steel, copper, malleable iron, GRP, ceramic, clay, concrete rubber and an array of plastics. WRAS approved, the bandages can be used pipelines conveying drinking water.

Viking Johnson – Maxidaptors & Couplings

The Viking Johnson maxidaptor flanges are used for joining pipes of varying materials and diameters. The flange adaptors allow for angularity between pipes which occurs during ground settlement. The adaptors have an extended sealing face and have a working pressure of 16 bar up to 80°C for 1000 hours.

Following rigorous bolt torque testing, the end ring adaptor are capable of withstanding bolt over-tightening to 1.5 times maximum recommend torque. Nitrile gaskets are available for gas applications, please specify if these are required



SECTION 8: EQUIPMENT HIRE

Taking the hassle away from hire equipment...

When renting equipment makes more business sense than purchasing outright, let Flocon take away the hassle of organising the hire of the machinery you require for your project.

We'll deal directly with the UK's leading provider of rental equipment on your behalf, arranging drop offs and collections to and from site on fast turnaround times at optimal costs.



ALIGNMENT CLAMP – 63MM TO 180MM – **IN STOCK**



BATTERY-POWERED
ELECTRO-FUSION BOX -
IN STOCK

**PLEASE CONTACT US FOR A FULL LIST
OF HIRE ITEMS WE CAN SUPPLY, EITHER
FROM STOCK OR ON REQUEST**

ANCILLARIES

If you need to... glue it, stick it, fasten it, join it, tape it, tag it, lag it, bend it, screw it... **We can help!**



In order to assist you in the use of the products and materials we supply, Flocon has refined a vast range of quality consumable and ancillary products enabling our customers to apply valves, pipes and fittings safely to their projects with maximum efficiency.

If there's anything you need, but unsure if we stock, don't hesitate to give us a call, it's likely we'll have just what you're after...



WHAT YOU WANT... WHEN YOU WANT IT

Fast turnaround times

We understand that due to the fast-paced, high pressured nature of many of the industries that our customers operate in, time is of the essence when pipeline products are urgently required.

We stock high quantities of essential components to a pipeline in our warehouse.

As such, Flocon customers can benefit from same day, overnight, and Saturday deliveries.

Orders for stocked items can be placed as late as 4pm for next-day delivery to most local addresses, and within 48hrs to other areas of the UK.

For specialist non-stocked items, we make every effort to deliver as soon as possible.

01443 841 666 | Sales@flocon.co.uk | flocon.co.uk

FLOCON VALVES & FITTINGS LTD
Unit D8.3, Main Avenue, Treforest
Industrial Estate, Pontypridd, CF37 5UR



ISO 9001 Cert No 17368