

GLOBAL PE
PRODUCT OVERVIEW
FOR GAS, WATER, MINING
AND IRRIGATION APPLICATIONS



"The Fusion Group Strategy is to become the customers' preferred partner as the leading innovator, manufacturer and supplier of products and services for gas and water polyethylene pipeline systems, worldwide..."

Our customers

understand them and support their drivers and aspirations

deliver market leading global product and service solutions

> become the 'go to' company for technical support and product information

our local and global markets

local support with local people, understand local issues and opportunities

> close proximity of a full product and service offering, and support

> > approvals to regional and national standards

deliver customer service excellence

to drive market leading innovation in both products and services

in both products and services

ensure consistent high quality at market competitive prices

at market competitive prices

organisations

organisations



- Mission 2
- **About Fusion**
- **Customer Promises**

24 **PE Butterfly Valves**

Fusion Assist



26 **Transition Fittings**

Electrofusion Fittings

30 **Flow Limitors**



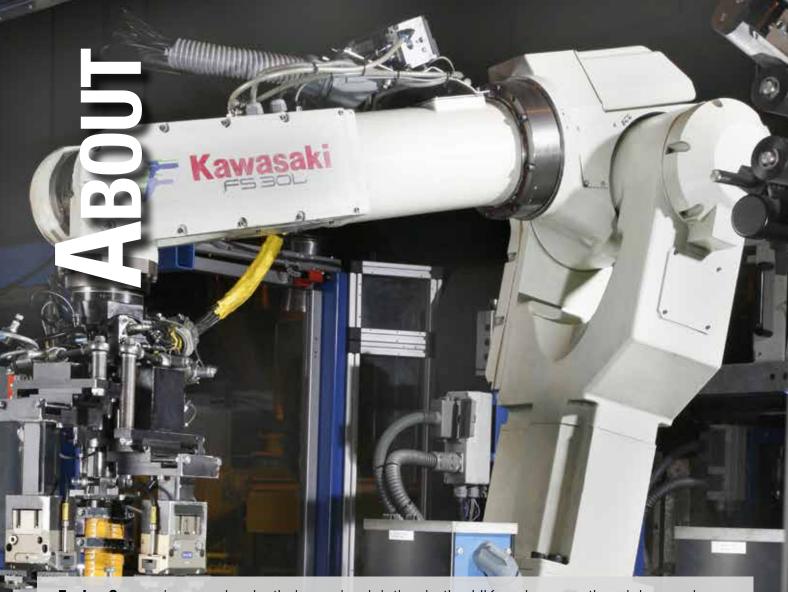
16 **Spigot Fittings**



Equipment and Ancillaries

PE Ball Valves

Access Systems



Fusion Group pioneered polyethylene pipe jointing in the UK and across the globe, and continues to provide innovative solutions for multiple industries. In 2017, Fusion became a member of the AVK Group of Companies, a partnership that has resulted in a broader product and service offer, a strengthened manufacturing base, and an amalgamation of expertise and ideas.

Polyethylene Solutions for over 50 years

Fusion is built around the knowledge and expertise of our people and their passion to deliver innovation. For over 50 years we have been supporting you with a complete polyethylene solutions package for your gas and water infrastructure, mining, energy and agricultural projects.

Our specialist teams are able to work with you throughout every step of your customer journey - from advice on site specification and product selection, all the way to providing installer training to your teams. When you work with Fusion, our promise to you is that you can expect quality throughout every step of the process and can trust that we will always be here for you.

World-Class Manufacturing

Fusion boasts world class manufacturing, testing, and inspection facilities, with lean principles of continuous improvement integrated into our manufacturing culture.

We pride ourselves on our products being fully traceable, right down to the core components.

High Standards

Fusion and AVK believe in much more than simply supplying a finished product to a customer. In order to assure you of our continued excellence, we have achieved ISO 9001 and ISO/TS 29001 certification.

We also hold many 3rd party product approvals and are regularly audited by organisations such as Bureau Veritas, AMI, BSI, DVGW, INSTA-CERT and others to ensure our products meet — and often exceed — the highest standards of safety and durability.

For further information on the Fusion Group product range download the Global PE Product Offer and Gross Price List from our website - www.fusiongroup.com

The PE product offer brochure for gas and water features our extensive product range; PE ball and butterfly valves, electrofusion, spigot and transition fittings, access systems and associated equipment and ancillaries.







FUSION GROUP HAS A REPUTATION FOR BEING A LEADING INNOVATOR AND SOLUTIONS PROVIDER IN THE GLOBAL GAS, WATER AND INDUSTRIAL SECTORS. FUSION ASSIST IS THE LATEST INNOVATION THAT DRIVES THIS REPUTATION.

By building relationships with our partners, through listening and responding to both their key strategies and to their daily operational challenges, we are able to develop solution led products and services which help deliver and resolve.

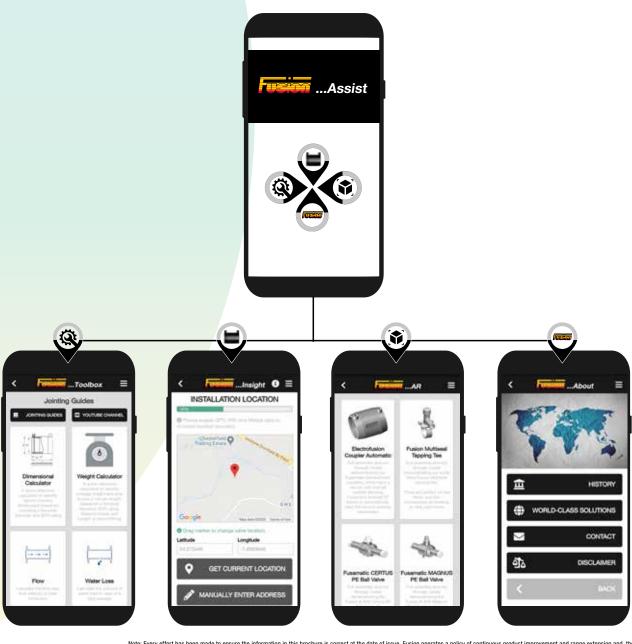
Network management and asset mapping are 2 key subjects highlighted in the majority of utility strategies as ongoing issues, the **FUSION ASSIST** mobile app can make a major contribution on the journey to a resolution of the issues.

FUSION ASSIST is a free app aimed at utility and industrial, gas and water network engineers. The app is made up of 4 key elements which will help specify, select and then record the installation quality and GPS location of an asset.

The **FUSION ASSIST** APP is available to download for free;







FUSION TOOLBOX

Provides a central area to access practical tips, tools and reference guides which support installation, training and design of piping systems.



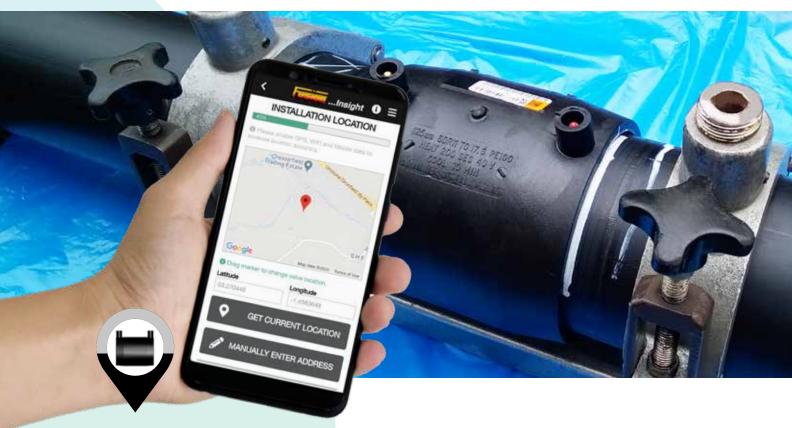












FUSION INSIGHT IS A COMPLETE ASSET MANAGEMENT SYSTEM

Fusion Insight uses a QR/barcode platform, designed to give full traceability of your assets providing the data on each installed asset, and gives the opportunity to review the quality of the installation.

This, combined with a unique GPS pin location and a picture of each installation ensures that you have a complete, accurate and auditable record of every installation. Furthermore, all the data recorded can be exported into standard data formats for integration into existing mapping systems.

FULL TRACEABILITY IN A FEW SIMPLE STEPS...



QR/barcodes are critical tools to increase traceability of assets both above and below ground. Fusion Insight is a growing development to capture such barcodes and wider traceability data about an electrofusion fitting, AVK valve or other assets being installed.

Fusion Insight can specifically capture traceability data for an electrofusion asset by scanning the ISO 12176-4 standard barcode system. In addition the app will also record asset location via GPS, core installation parameters and reference images for that asset within one central record.

When a Fusamatic fitting is scanned, the app will even prompt the user to record Fusion's unique QR code which contains an individual fitting number providing enhanced traceability right down to the raw materials used to manufacture the fittings.



SELECT FUSION INSIGHT*



SCAN THE QR/BARCODE



SET LOCATION



TAKE THE INSTALLATION PICTURES

FUSION INSIGHT IN CONJUNCTION WITH OUR NEW 4MM FUSAMATIC AUTOMATIC PIN ELECTROFUSION FITTINGS DRIVES CONSISTENCY AND CONTROL, FROM RAW MATERIAL TO INSTALLING YOUR ASSETS IN THE GROUND.

By providing all markets with the option to weld Fusamatic electrofusion fittings automatically, coupled with the use of Fusion Insight gives you the perfect solution towards end-to-end control over the welding process.





FUSION INSIGHT IS THE PERFECT SOLUTION TO MANAGE FUTURE TRACEABILITY

Access to the recorded data collected from the Fusion Assist App is via a user friendly web portal* which provides at-a-glance accurate records.

- **INCREASED ASSET TRACEABILITY**
- RECORD INDIVIDUAL ASSET INSTALLATIONS
- ACCURATE GPS PIN LOCATION



VISUALLY AUDIT THE INSTALLATION QUALITY



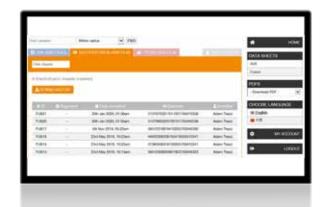
EXPORTABLE DATA INTO STANDARD FORMATS



PERIODIC INSTALLATION AUDIT REPORT AVAILABLE

THE WEB PORTAL*

*Note: To access Fusion Insight and the dedicated web portal an account needs to be created by our technical team. For new account requests please email **tech@fusiongroup.com** to set up your FREE Fusion Insight account.





Secure Customer log in



Verify pictorial record



Asset location on map (colours represent different assets)



Data record includes: asset type, materials, size, pressure and who installed the asset

FUSAMATICTM ELECTROFUSION FITTINGS FOR GAS AND WATER



Fusion Group is a world-leader in the manufacture of electrofusion fittings. All Fusion's electrofusion fittings are individually inspected using a computerised monitoring system that utilises advanced barcode technology. The barcode provides full individual fitting traceability right down to the polymer batch.

Together, electrofusion fittings and polyethylene pipes enable utilities, designers and contractors to create fully welded pipe networks. The production quality, reliability and flexibility of Fusion's electrofusion fittings provides the certainty and peace of mind needed for polyethylene pipe jointing.

Sizes

Sizes range from d20 to 630+, d710 to 1200 available on request

Pressure Ratings

All fittings are manufactured in virgin PE100 black polyethylene and pressure rated up to 10 bar for gas applications and 16 bar for water applications, unless stated otherwise.

NOTE: For UK gas applications (GIS PL2 Part 4) the maximum operating pressure can be either 5.5 bar or 7 bar dependant on the Class rating. For more detailed information contact us.

SDR Ratings

The appropriate pipe SDR rating for electrofusion fittings is in accordance with:

FITTING SIZES BELOW 63mm - Pipe SDR11

- Coupler
- Elbow
- Reducer
- Equal tee
- Tapping tee
- Branch saddle
- Transition fittings

FITTING SIZES 63mm AND ABOVE - Pipe SDR11 to 17.6

- Coupler
- Elbow
- ReducerEqual tee
- Tapping tee*
- Branch saddle
- Hydrant products
- Transition fittings
- * Tapping tees for 63mm mains only are not suitable for SDR17 pressurised pipe applications.

Testing can be carried out on SDR rated pipe outside the stated ranges if required. Please contact Fusion's sales team on +44 (0)1246 260111 for details.

Testing

Fusamatic branded electrofusion fittings are tested, accredited and approved against many international performance standards* including:

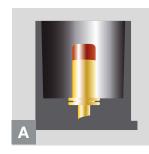
- Kitemark GIS/PL2-4
- Kitemark GIS/PL2-6
- AS/NZS 4129, Watermark and ISO Type 5 Licence
- EN 1555-3
- UNI EN 1555-3
- INSTA SBC EN 1555-3
- EN 12201-3
- UNI EN 12201-3
- INSTA SBC EN 12201-3
- EN ISO 15494
- UNI EN ISO 15494
- WRAS
- ACS
- DVGW GW 335-B2-B1
- KIWA BRL-K17105

*Due to size and fitting type regulations across standards, some items listed in this brochure may not be certified under the standards listed above.

Please contact Fusion's sales team on +44 (0)1246 260111 before placing your order.

USAMATIC













Fusamatic Pin

Invented by Fusion, the
Fusamatic pin provides a
totally automatic method for
ensuring the correct welding
parameters are used. Within
each Fusamatic pin is a resistor.
When the electrofusion box is
connected to the fitting, the
Fusamatic pin enables it to
automatically identify the correct
fusion time required to make
the joint. All the operator
has to do is press go!

Indicators

Pressure, created by the expanding molten plastic in the jointing area (inside the fitting) during the electrofusion process, will force out the indicator lugs. This is a visible sign that the necessary jointing pressure has been achieved.

Moulded-in welding parameters

Manual welding parameters are moulded into the body of all Fusion's fittings. Information provided includes fitting size, material (PE100), applicable pipe SDRs, weld parameters, and pressure ratings for gas and water applications.

Permanently marked batch number

The injection moulded batch number is just one of numerous quality control identifiers on each Fusamatic fitting. It is replicated on the fitting's barcode.

Barcode / QR Code

Quality control is central to the success of Fusion's fittings. The unique barcode configuration, including QR code, provides full traceability of raw material for each individual fitting and welding information when used in conjunction with electrofusion boxes equipped with a barcode scanner.

TYPICAL APPLICATION SCHEMATIC EXAMPLE OF SOLUTIONS PACKAGE

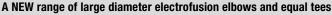








Electrofusion coupler Sizes 20 - 630mm



Sizes 200, 225 and 250mm | Elbows available in 90° and 45°





Large diameter branch saddle (LDBS)

Simple, safe and cost-effective live connections on water and gas networks
Sizes 250 - 630mm | 150, 200 and 250 NP16 outlet size





Multiseal tapping tee

Delivering security, safety and speed at the point of installation

Stackload or underclamp

Sizes range from 40 – 400/450mm

20, 25, 32, 40, 50 and 63mm outlets



Stub flange adaptor Sizes 20 - 1200mm

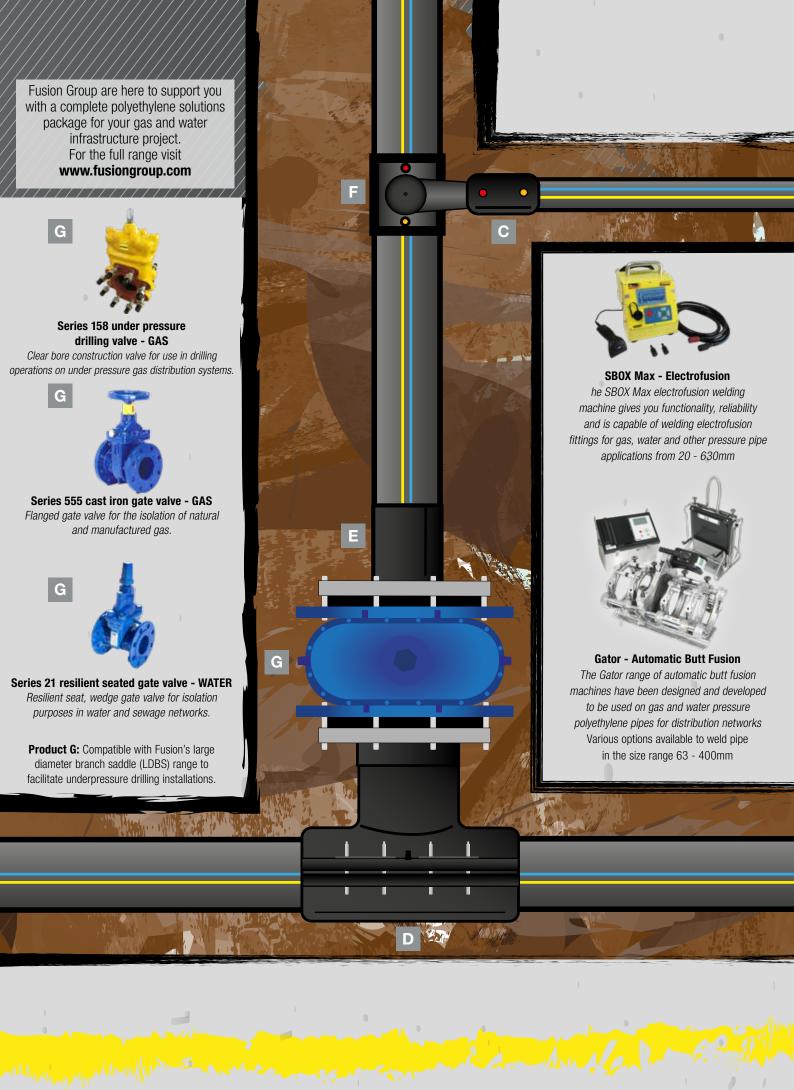


Flextee tapping tee

Provides a solution to the jointing of tapping tees to oval and coiled pipe
Understrap
Sizes 63 - 180mm
20, 25, and 32mm outlets



Distribution Network



FUSAMATICTM ELECTROFUSION FITTINGS FOR GAS AND WATER



COUPLER PE100 Water PN16 Gas 10 Bar d20-400



LARGE DIAMETER
COUPLER
PE100
SDR 11-26 Water PN16 / Gas 10 Bar
SDR 17-26 Water PN10 / Gas 6 Bar
d450 - 630 (d710-1200
available upon request)



END CAP PE100 Water PN16 Gas 10 Bar d20-250



REDUCER PE100 Water PN16 Gas 10 Bar d25x20-180x125



90° ELBOW PE100 Water PN16 Gas 10 Bar d20-250



45º ELBOW PE100 Water PN16 Gas 10 Bar d32-250



22.5º ELBOW PE100 Water PN16 Gas 10 Bar d180



PE100 Water PN16 Gas 10 Bar d20-250



REDUCING TEE PE100 Water PN16 Gas 10 Bar d20x20x32-180x180x125



FLANGED TEE PE100 Water PN16 Gas 10 Bar d63xDN50–180xDN150



MULTISEAL TAPPING TEE STACKLOAD PE100 Water PN16 / Gas 10 Bar (UK Gas Applications -Gas 5.5 Bar (Class B) / Gas 7 Bar (Class C)) 20-32mm Outlet d63x20-355x32



MULTISEAL TAPPING TEE STACKLOAD PE100 Water PN16 / Gas 10 Bar (UK Gas Applications -Gas 5.5 Bar (Class B) / Gas 7 Bar (Class C)) 63mm Outlet d250x63-400/450x63



MULTISEAL TAPPING TEE UNDERCLAMP PE100 Water PN16 / Gas 10 B

PE100 Water PN16 / Gas 10 Bar (UK Gas Applications -Gas 5.5 Bar (Class B) / Gas 7 Bar (Class C)) 20-32mm Outlet d40x20-225x32



MULTISEAL TAPPING TEE UNDERCLAMP

PE100 Water PN16 / Gas 10 Bar (UK Gas Applications -Gas 5.5 Bar (Class B) / Gas 7 Bar (Class C)) 40-63mm Outlet d63x40-225x63



FLEXTEE TAPPING TEE UNDERSTRAP

PE100 Water PN16 Gas 10 Bar d40x20-180x32



BRANCH SADDLE STACKLOAD PE100

Water PN16 Gas 10 Bar 63mm Outlet d250x63-400/450x63



BRANCH SADDLE UNDERCLAMP

PE100 Water PN16 Gas 10 Bar 40-63mm Outlet d63x40-225x63



BRANCH SADDLE UNDERCLAMP

PE100 Water PN16 Gas 10 Bar 20-63mm Outlet d40x20-90x63

JUSAMATIC



BRANCH SADDLE UNDERCLAMP PE100 Water PN16 Gas 10 Bar 90-125mm Outlet d90x90-250x125



BRANCH SADDLE UNDERSTRAP PE100 Water PN16 Gas 10 Bar 110-180mm Outlet d315x110-630x180



FLANGED BRANCH SADDLE UNDERCLAMP PE100 Water PN16 Gas 10 Bar d110xDN80-630xDN100

For use with large diameter under pressure drill



FLANGED BRANCH SADDLE UNDERCLAMP - FASTCUT PE100 Water PN16 Gas 10 Bar d250xDN150-630xDN150 Only available through approved fastcut installers



FLANGE BRANCH SADDLE UNDERSTRAP - ALH FLOWSTOP PE100 Gas 10 Bar d315xDN150-400xDN150

Only available through approved fastcut installers



BALLOON SADDLE PE100 Water PN16 Gas 10 Bar d90x2½"-250x2½"



TRANSITION SADDLE PE100 Water PN16 Gas 10 Bar d63x11/4"-250x2"



PE100 Water PN16 d90x90



DUCKFOOT BEND KIT PE100 Water PN16 d63xDN80—180xDN80



HYDRANT BRANCH SADDLE KIT PE100 Water PN16 d90xDN80-250xDN80

SPIGOT FITTINGS FOR GAS AND WATER

The Fusion range of spigot fittings is one of the most extensive in the world, with over 3,000 different product lines.



Fusion have a whole range of moulded, machined and butt welded spigots including elbows, bends, tees, stub flanges and many more in a range of different sizes and SDR's needed for polyethylene pipe jointing. Our spigot range allows for complicated yet high performance pipeline systems with a more diverse range of fittings than electrofusion, especially for larger diameter fittings.

Manufacturing

All Fusamatic branded spigots are manufactured from PE100 virgin polyethylene polymer supplied by recognised international market leaders such as Borealis and Ineos. All materials comply with the requirements of relevant standards including EN 12201 for drainage, sewerage and potable water, and EN 1555 for gas. The recommended temperature range for Fusamatic spigots is +5°C and +40°C with butt fusion jointing methods, or between -10°C and +40°C using Fusamatic electrofusion systems.

All Fusamatic branded spigot fittings are available with long spigot welding ends suitable for butt fusion and electrofusion on site; short spigot welding ends are also available for cost effective factory assembled fabrications.

Fusamatic branded spigots comply with the requirements of:

- EN 12201-3 Plastics piping systems for water supply, and for drainage and sewerage under pressure. Polyethylene (PE) Fittings.
- EN 1555-3 Plastics piping systems for the supply of gaseous fuels.
 Polyethylene (PE) Fittings.

International performance standards and regulations

Fusamatic branded spigots have the following international approvals:

- EN1555-3
- EN12201-3
- INSTA SBC EN 12201-3
- INSTA SBC EN 1555-3
- AS/NZS 4129 and ISO Type 5
- WRAS (UK)

*Due to size and fitting type regulations across standards, some items listed in this brochure may not be certified under the standards listed above.

Please contact Fusion's sales team on +44 (0)1246 260111 before placing your order.

Sizes

Note: SDR ratings, brand supplied and stated diameters are subject to availability.

+44 (0)1246 260111 or via the website - www.fusiongroup.com

Contact us for specific details on

Backing Rings

Fusion are able to provide a range of backing rings for mechanical connections in galvanised, stainless and polypropylene coated steel.

These can be supplied drilled in accordance to local standards, but typically available in stock for EN 1092 - PN10, EN 1092 - PN16 and ANSI Class 150.

Other ancillary items such as gaskets and bolting sets can be provided upon request.

Applications

- Potable water mains, service pipes and house connections
- Gas transmission, distribution and house connections
- Wastewater systems including sewers
- Water and wastewater treatment plants
- Rain water and grey water collection
- Syphonic roof drainage
- Trenchless pipeline techniques including directional drilling
- Pumped slurry systems in mines and quarries
- Ducting for electrical, telecommunications and fibre optic cabling including
- Open water and marine fish cages
- Industrial applications including process pipework and compressed air networks
- Agricultural irrigation



BIM and CAD Models on Fusamatic range of spigot fittings **NOW AVAILABLE**

Visit the Fusion Group website - www.fusiongroup.com for direct access to Fusion's BIM and CAD models, in .dxf, .igs and .step file formats. The models provide customers with the ability to transfer 2D and 3D drawing data between a variety of CAD and BIM infrastructure design systems.

SPIGOT FITTINGS FOR GAS AND WATER



90° ELBOW PE100 SDR 11 - Water PN16 / Gas 10 Bar SDR 17 - Water PN10 / Gas 6 Bar SDR 7.4 - Water PN25 SDR 9 - Water PN20 d20-500



45° ELBOW PE100 SDR 11 - Water PN16 / Gas 10 Bar SDR 17 - Water PN10 / Gas 6 Bar SDR 7.4 - Water PN25 SDR 9 - Water PN20 d20-500



90° MULTI BEND PE100 SDR 11 - Water PN16 / Gas 10 Bar SDR 17 - Water PN10 / Gas 6 Bar d32-315



90° BEND – SHORT SPIGOT PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar-upon request) SDR 33 - Water PN5 d20-500



SEAMLESS BEND 90° PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar - upon request) SDR 7.4 - Water PN25 SDR 9 - Upon request d32-900



SEAMLESS BEND 60° PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar-upon request) SDR 7.4 - Water PN25 SDR 9 - Upon request d32-900



SEAMLESS BEND 45° PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar-upon request) SDR 7.4 - Water PN25 SDR 9 - Upon request d32-900



SEAMLESS BEND 30° PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar-upon request) SDR 7.4 - Water PN25 SDR 9 - Upon request d32-900



SEAMLESS BEND 22° PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar-upon request) SDR 7.4 - Water PN25 SDR 9 - Upon request d32-900



SEAMLESS BEND 11° PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar-upon request) SDR 7.4 - Water PN25 SDR 9 - Upon request d32-900



EQUAL TEE
PE100
SDR 11 - Water PN16 /
Gas 10 Bar
SDR 17 - Water PN10 /
Gas 6 Bar
SDR 7.4 - Water PN25
SDR 9 - Water PN20
d20-630



EQUAL TEE – SHORT SPIGOT PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar-upon request) SDR 33 - Water PN5 d20-500



REDUCING TEE
PE100
SDR 11 - Water PN16 /
Gas 10 Bar
SDR 17 - Water PN10 /
Gas 6 Bar
SDR 7.4 - Water PN25
SDR 9 - Water PN20
d50x25-630x250



REDUCING TEE – SHORT SPIGOT PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar-upon request) d90x32-180x125



REDUCING AND EQUAL TEE (MACHINED) PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 5 Bar-upon request) d250x63-1200x1200



REDUCING AND EQUAL TEE – SHORT SPIGOT (MACHINED) PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR17 - Water PN10 / (Gas 5 Bar-upon request) d280x63-1200x1200



REDUCING TEE ECCENTRIC LEVEL INVERT (MACHINED) PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR17 - Water PN10 / (Gas 5 Bar-upon request) d280x63-710x560



45° ANGLE BRANCH TEE PE100 SDR 11 - Water PN16 / Gas 10 Bar SDR17 - Water PN10 / Gas 6 Bar d63x45-250x45



Y PIECE PE100 SDR 11 Water PN16 Gas 10 Bar d32x25-50x40



CROSS PIECE
PE100
SDR 11 - Water PN16 /
Gas 10 Bar
SDR 17 - Water PN10 /
Gas 6 Bar
SDR 7.4 - Water PN25
d63-355



REDUCED CROSS PIECE PE100 SDR 11 Water PN16 Gas 10 Bar d125x90



REDUCER
PE100
SDR 11 - Water PN16 /
Gas 10 Bar
SDR 17 - Water PN10 /
Gas 6 Bar
SDR 7.4 - Water PN25
SDR 9 - Water PN20
d25x20-1000x900



REDUCER – SHORT SPIGOT
PE100
SDR11 - Water PN16 / (Gas 10 Bar-upon request)
SDR 17 - Water PN10 / (Gas 6 Bar-upon request)
SDR 7.4 - Water PN25
SDR 9 - Water PN20
SDR 26 - Water PN6
SDR 33 - Water PN5
d25x20-1200x1000



STEP REDUCER – SHORT SPIGOT PE100 SDR 11 - Water PN16 / Gas 10 Bar SDR 17 - Water PN10 / Gas 6 Bar d225x160-900x630



ECCENTRIC REDUCER
PE100
SDR 11 - Water PN16
SDR 17 - Water PN10
SDR 33 - Water PN5
d160x90-1200x1000



ECCENTRIC REDUCER – SHORT SPIGOT PE100 SDR 11 - Water PN16 SDR 17 - Water PN10 SDR 33 - Water PN5 d160x90-1200x1000



END CAP
PE100
SDR 11 - Water PN 16 /
Gas 10 Bar
SDR17 - Water PN10 /
Gas 6 Bar
SDR 7.4 - Water PN25
SDR 9 - Water PN20
d20-1200



END CAP – SHORT SPIGOT PE100 SDR 11 - Water PN16 / (Gas 10 Bar-upon request) SDR 17 - Water PN10 / (Gas 6 Bar-upon request) SDR 7.4 - Water PN25 SDR 9 - Water PN20 SDR 33 - Water PN5 d250-1200



STUB FLANGE ADAPTOR
PE100
SDR 11 - Water PN16 /
Gas 10 Bar
SDR 17 - Water PN10 /
Gas 6 Bar
SDR 7.4 - Water PN25
SDR 9 - Water PN20
d20-1200



STUB FLANGE ADAPTOR

- CHAMFERED
(SUITABLE FOR
BUTTERFLY VALVES)
PE100
SDR 11 - Water PN16 /
Gas 10 Bar
SDR 17 - Water PN10 /
Gas 6 Bar
d160-630



STUB FLANGE ADAPTOR
- AUSTRALIAN DESIGN
SDR 11 - Water PN16 /
Gas 10 Bar
SDR 17 - Water PN10 /
Gas 6 Bar
d40-630



STUB FLANGE ADAPTOR
- SHORT SPIGOT
PE100
SDR 11 - Water PN16 /
Gas 10 Bar
SDR17 - Water PN10 /
Gas 6 Bar
SDR 7.4 - Water PN25
SDR9 - Water PN20
SDR26 - Water PN6
SDR33 - Water PN5
d20-1200



STUB FLANGE ADAPTOR

- CHAMFERED - SHORT
SPIGOT (SUITABLE FOR
BUTTERFLY VALVES)
PE100
SDR 11 - Water PN16 /
Gas 10 Bar
SDR 17- Water PN10 /
Gas 6 Bar
d200-1000



STUB FLANGE ADAPTOR

- AUSTRALIAN DESIGN

- SHORT SPIGOT
PE100

- SHORT SPIGOT PE100 SDR 11 - Water PN16 / Gas 10 Bar SDR17 - Water PN10 / Gas 6 Bar d560 - 630



FLANGE -POLYPROPYLENE WITH STEEL CORE

EN1092-1 - PN 16 Drilling EN1092-1 - PN 10 Drilling ANSI B16.5 - C150 Drilling d20-630 (Pipe Diameter) Sizes d710 and above upon request



FLANGE – GALVANISED AND STAINLESS STEEL EN1092 - PN16 Drilling EN1092 - PN10 Drilling d20-630 (Pipe Diameter)



LONG SPIGOT PUDDLE FLANGE - EPDM

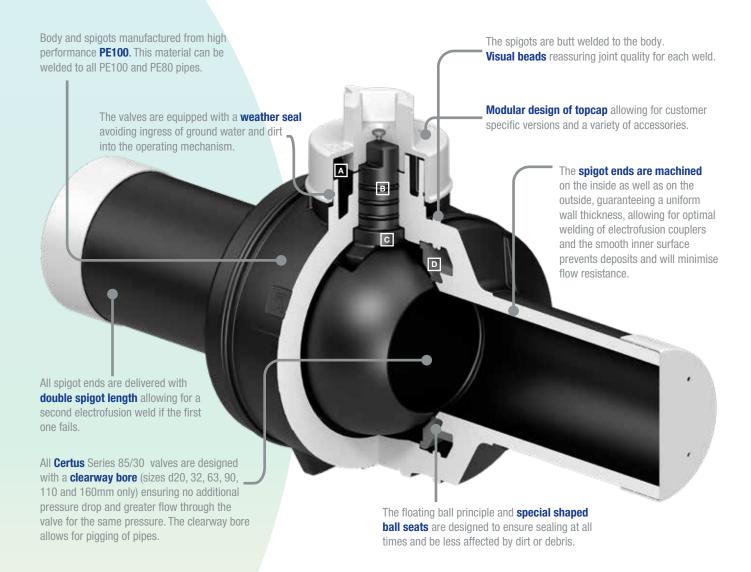
PE100 SDR11 SDR17 Water tight 3 bar up to d315 Water tight 1 bar d355 and above d90-630

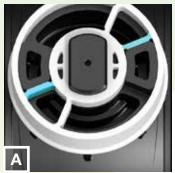


FULL FACE GASKETS -EPDM / NBR DUO

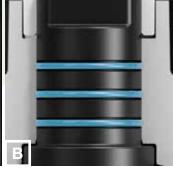
EDPM - WATER NBR - GAS EN1092 - PN16 Drilling EN1092 - PN10 Drilling d20-630

CERTUSTM PE BALL VALVES FOR GAS AND WATER

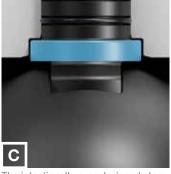




If the valve is over torqued, the topcap is designed to fail before the valve seals, thus preventing a leak to atmosphere. The safety topcap can be replaced easily under live conditions.



Triple O-ring construction around the stem guaranteeing sealing safety is extremely strong and of the anti at all times, even during ground movement.



The intentionally over-designed stem The seat retainer design ensures the blow-out type.



ball seat is kept in place at all times. This optimal design prevents the ball seat from being dislodged, which guarantees a good functionality throughout the years.

The **Certus Series 85/30** is an extensive range of PE ball valves up to d180 used for isolation of water and gas service to both domestic and commercial premises.

The Certus PE100 ball valves are manufactured at AVK Syntec, a modern purpose built and well equipped manufacturing facility complying with the international standard ISO/TS 29001:2010 quality management system, uses state of the art machinery and methods to produce high quality products.

Every valve is individually tested and given a unique serial number which can be traced as far back as the raw polyethylene material. All of the manufacturing processes are managed to the exacting standards of the ISO 9001 certification and ISO/TS 29001:2010.

These robust PE ball valves have been extensively and independently type tested against worldwide leading standards such as GIS/V7: Part 2, EN 1555-4. Full documented records of type testing are maintained by AVK and are available on request.



CERTUS™ PE BALL VALVES SERIES 85/30 PE100 GIS/V7 Part 2 EN 1555-4 IS04437-4 EN12201-4 d20-180



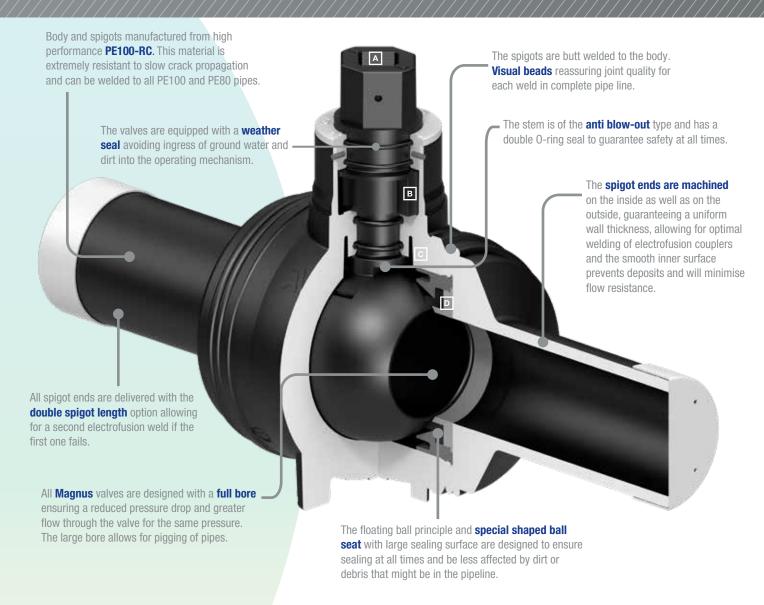
CERTUS™
INSTALLATION KIT
SERIES 85
Fits the d20, 32, 40, 63
and 90mm CERTUS™
PE Ball Valves
Available with or without
lid

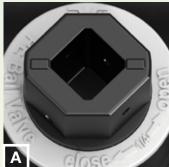


CERTUS™
50MM SQUARE DRIVE
TEE KEY
SERIES 85/00
To suit CERTUS™
PE Ball Valves
Length range 7501500mm

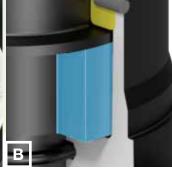


MAGNUSTM PE BALL VALVES FOR GAS AND WATER

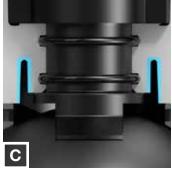




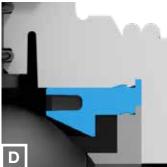
Due to the **internal and external drive** the valves can be operated by all standardised spindles.



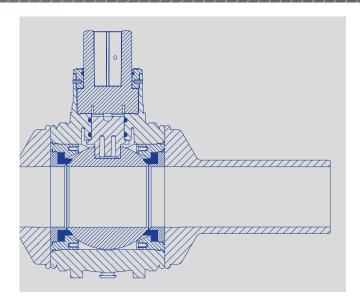
If the valve is over torqued during opening or closing, the connector is designed to fail before the valve seals, thus preventing a leak to atmosphere. The **safety connector** can be replaced under live conditions.

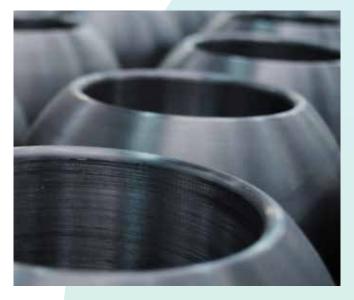


The **flexible spindle shaft** ensures equal compression around the O-rings when loaded by internal pressure. At the same time the groove will adapt to any deformation as a result of upstream pressure on the ball when the valve is in the closed position.



The **seat retainer and support ring** design ensure the ball seat is kept in place at all times. This optimal design prevents the ball seat from being dislodged, which guarantees a good functionality throughout the years.





The Magnus Series 85/50 is an extensive range of PE ball valves up to d180 used for isolation of water and gas service to both domestic and commercial premises.

The range have been extensively and independently type tested against worldwide leading standards such as EN1555-4, ISO4437-4 and EN12201-4 for water applications.

Magnus ball valves have undergone additional testing over and above that required in the specification. This ensures that the valve is suitable for distribution systems and environments anywhere in the world.

The extensive Magnus ball valve range consists of multiple sizes starting at d25 up to d180. Depending on the requested pressure rating the valves are available with SDR11 or SDR 17 spigot ends. The selected materials are tested and approved for GAS and WATER applications.

The valves are rated as MOP10 for GAS applications and PN16 for WATER applications.



MAGNUS™ PE BALL VALVE SERIES 85/50-002 PE100-RC EN 12201-4 / EN 1555-4 ISO4437-4 / GB15558.3 Full Bore d25-180



MAGNUS™ PE BALL VALVE WITH STEM EXTENSION SERIES 85/50-004 PE100-RC EN 12201-4 / EN 1555-4 ISO4437-4 / GB15558.3 Full Bore d63-180



MAGNUS™ PE BALL VALVE WITH STEM EXTENSION AND 2 PURGE POINTS SERIES 85/50-008 PE100-RC EN 12201-4 / EN 1555-4 ISO4437-4 / GB15558.3 Full Bore d63-180



MAGNUS™ PE BALL VALVE WITH LEVER SERIES 85/50-010 PE100-RC EN 12201-4 / EN 1555-4 ISO4437-4 / GB15558.3 Full Bore d25-180

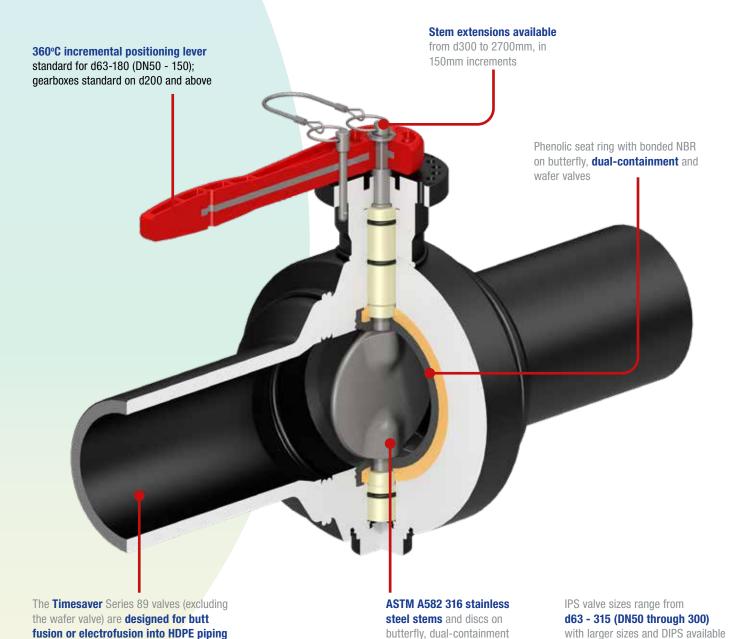


MAGNUS™ PE BALL VALVE WITH STEM EXTENSION AND 1 PURGE POINT SERIES 85/50-006 PE100-RC EN 12201-4 / EN 1555-4 ISO4437-4 / GB15558.3 Full Bore d63-180

TIMESAVERTM PE BUTTERFLY VALVES FOR GAS AND WATER

The Series 89 Timesaver butterfly valves are designed for quick, direct heat butt fusion or electrofusion into HDPE piping systems up to d315 (DN300).

The Series 89 leak-free system enables ease of installation and eliminates the need for flange adaptors, spacers, backing rings, nuts, bolts or gaskets.



and wafer valves

upon request

systems. The Series 89 leak-free system

enables ease of installation and eliminates the need for flange adaptors, spacers, backing rings, nuts, bolts or gaskets.



FUSIBLE BUTTERFLY VALVE

Series 89 fusible butterfly valves are designed for butt-fusion or electrofusion into HDPE piping systems. The Series 89 leak-free system enables ease of installation and eliminates the need for flange adaptors, spacers, backing rings, nuts, bolts or gaskets.



WAFER BUTTERFLY VALVE

The Series 891 wafer butterfly valve utilises existing flanges, eliminating the need for valve spacers. The wafer valve is preferred in applications where easy access into piping systems is needed.



BUTTERFLY VALVE SERIES 89/BFV SDR 11 (Standard) PE100 Stainless Steel Disc, NBR Seat d63 - 315 DN50-300

HDPE FUSIBLE END



HDPE FUSIBLE END DUAL CONTAINMENT BUTTERFLY VALVE SERIES 890/DCV SDR 11 (Standard) PE100 Stainless Steel Disc, NBR Seat d63 x110/125 -160-180/250-280 DN50x100 - 150x250



HDPE WAFER BUTTERFLY VALVE SERIES 891/WAF Bolting pattern to ASME/ANSI B 16.1 Class 125 PE 100 Stainless Steel Disc, NBR Seat d63 x 315 DN50-300



FUSIBLE DUAL CONTAINMENT BUTTERFLY VALVE

Series 890, dual-containment butterfly valves include a second pipe housing. This unit can be fused into new or existing dual-containment (double wall) HDPE pipelines, eliminating the need for valve boxes or vaults.

TRANSITION FITTINGS FOR GAS AND WATER



Transition fittings are a quick and easy way to connect various types of metallic pipes to PE pipe systems, using either a traditional flange, threaded or a modern SupaGrip™ fitting.

All fittings supplied by Fusion are manufactured according to the appropriate industry standards with the mechanical joint between the metal and PE fully end loading.

There is a varied range of fittings available under the title transition fittings including valves, elbows, and straight transitions from d25 to 250 PE in both PE80 and PE100 materials.



Mechanical coupler

Lifting eye on

Assembled male or female transition adaptor with coupler allows metric to threaded

Electrofusion





4 bolts for quick and easy installation



Suitable for electrofusion welding on site but also available separately for manifold applications or pre fabrication. Other materials and threads are available upon request depending on specialist applications. A simple but effective solution for house connections, used by many operators internationally.

2. Supa Maxi[™] range of universal tensile for WATER.

The patented SupaGripTM sealing support system with flexible bracket ensures full support of the gasket and full tensile strength on all pipe types up to PN16. Supa MaxiTM couplings are very easy to mount with the possibility of $\pm 4^{\circ}$ angular deflection, the permanent protection caps, the lifting eye and that they are tightened from the sleeve side with no need for re-tightening the bolts.

3. Donkin Mechanical Coupler for GAS

The Series 604 mechanical coupler with PE tail has been designed as a transition fitting to join metallic and PE gas pipes. The mechanical coupler is designed to be universal in most diameters whilst the PE end is available in SDR17 PE80 pipe suitable for the low and medium pressure network.

4. Meter Module Riser Fittings for GAS

The Series 218 Meter Module Riser Fittings are transition fittings designed to connect the underground PE pipework to the Emergency Control Valve at the inlet of a Meter Module. They can also be used on the outlet pipework to transition back to PE from the steel. Small diameters are available with threaded ends and the larger sizes with PN16 flanges for easy connection.

Split flange ring for ease of installation and

flexible hole alignment

4

TRANSITION FITTINGS FOR GAS AND WATER



MALE TRANSITION COUPLER PE100 Water PN16 Gas 10 Bar d25x¾" - 63x2"



FEMALE TRANSITION COUPLER PE100 Water PN16 Gas 10 Bar d25x¾" - 63x2"



MALE TRANSITION 90° ELBOW PE100 Water PN16 Gas 10 Bar d25x¾" - 63x2"



FEMALE TRANSITION 90° ELBOW PE100 Water PN16 Gas 10 Bar d25x¾" - 63x2"



MALE TRANSITION 45° ELBOW PE100 Water PN16 Gas 10 Bar d32x1" - 63x2"



FEMALE TRANSITION 45° ELBOW PE100 Water PN16 Gas 10 Bar d32x1" - 63x2"



TRANSITION ADAPTOR BRASS (NOT COATED) – MALE PE100 SDR11 Water PN16 Gas 10 Bar d20x½" - 125x4"



TRANSITION ADAPTOR BRASS (NOT COATED) – FEMALE PE100 SDR11 Water PN16 Gas 10 Bar d20x½" - 125x4"



TRANSITION ADAPTOR BRASS DZR - MALE PE100 SDR11 Water PN16 Gas 10 Bar d20x½" - 125x4"



TRANSITION ADAPTOR BRASS DZR – FEMALE PE100 SDR11 Water PN16 Gas 10 Bar d20x½" - 125x4"



TRANSITION ADAPTOR STAINLESS STEEL -MALE PE100 SDR11 Water PN16 Gas 10 Bar d20x½" - 63x2"



TRANSITION ADAPTOR STAINLESS STEEL -FEMALE PE100 SDR11 Water PN16 Gas 10 Bar d20x½" - 63x2"



PE – STEEL TRANSITION
PIECE (WELDABLE END)
PE100
SDR11 - Water PN16 /
Gas upon request
SDR17 - Water PN10 /
Gas upon request
d25x¾" - 400x16"



PE – STEEL TRANSITION PIECE (THREADED END) PE100 SDR11 Water PN16 Gas upon request d25x¾" - 125x4"



PE – STEEL CURVED TRANSITION PIECE (WELDABLE END) PE100 SDR11 Water PN16 Gas upon request d25x¾" - 63x2"



PE – STEEL CURVED TRANSITION PIECE (THREADED END) PE100 SDR11 Water PN16 Gas upon request d25x¾" - 63x2"



SUPA MAXITM TRANSITION COUPLING SERIES 635 PN10/PN16 Ductile Iron EN 14525 DN50-300



MAINS TO METER FACTORY ENTRY ELBOW

SERIES 217/31-001, 002 PN5.5 GIS/PL3 PE x Screwed 001 PE x Pipe End 002 d40 x 125



MAINS TO METER FACTORY ENTRY ELBOW WITH SPLIT FLANGE RING SERIES 217/31-003 PN5.5 GIS/PL3

d90 - 180



MAINS TO METER BUILDING ENTRY TEE

SERIES 219/31 PN4 GIS/PL3 DN20 - 63



MAINS TO METER BELOW GROUND ENTRY FITTING

SERIES 218/31-001, 002 PN5.5 GIS/PL3 PE x Screwed 001 PE x Pipe End 002 d25 - 180



MAINS TO METER BELOW GROUND ENTRY FITTING WITH SPLIT FLANGE

SERIES 218/31-003 PN5.5 GIS/PL3 d90 - 180



MAINS TO METER METER MODULE RISER FITTING WITH SPLIT FLANGE

SERIES 218/41-001 PN5.5 GIS/PL3 d25 - 250



BALL VALVE -PE PIPE ENDS SERIES 451/70

PN4
Ductile Iron Body
Stainless Steel Ball
GIS/V4
GIS/PL3
DN32-63



BALL VALVE -PE TO SCREW ENDS SERIES 451/73

PN4 Ductile Iron Body Stainless Steel Ball GIS/V4 GIS/PL3 DN1" - 2" / d25 - 63



UNIVERSAL TRANSITION COUPLER

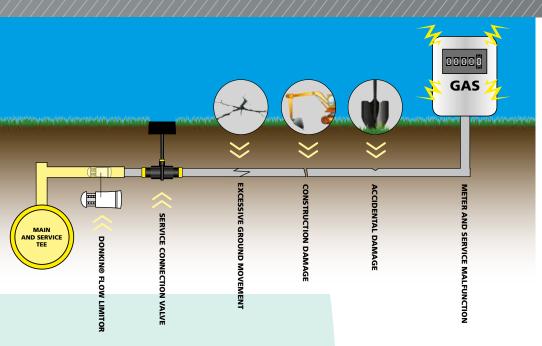
SERIES 604 PN2 GIS/PL3 Ductile Iron d90 - 355



PE100 FLANGE ADAPTOR

SERIES 39 PN7 PN16 (ASA 150 optional) Ductile Iron GIS/PL3 d80-350

FLOW LIMITORS FOR GAS





Series 310 Flow Limitor range of emergency shut-off valves provide service line safety, service line theft protection and automatic shut off.

Should gas flow exceed limits the flow limitor will simultaneously trip and shut-off the gas, remaining closed until repairs have been made. Once the fault has been rectified, a small bleed-by flow enables the service to regain pressure, equalising the pressure with the main. The unit will automatically reset for normal operation without intervention.

The range consists of products that fit in the service pipe, tapping tee outlet and also integrated into electrofusion reducers.

Sizes range from d25 to 32 with products approved to standards such as GIS/EFV1, MSS SP 115 or BGE/S/V/5.

Features

- Tamper proof and maintenance free.
- Direction of flow indicator permanently moulded into the valve to ensure correct installation.
- Automatic self-acting operation.
- Installation at any angle.
- Bleed-by design provides automatic reset.
- All units are individually tested.



ELECTROFUSION INTEGRAL FLOW LIMITOR

SERIES 310/080 (Fits into Electrofusion Coupler or Reducer) Range: 0.69 Bar - 7 Bar MSS SP-115 d32x20, 25 and 32



INTEGRAL FLOW LIMITOR

SERIES 310/063 (Fits in tapping tee outlet) Range: 0.69 - 6.9 Bar MSS SP-115 d32



INTEGRAL FLOW LIMITOR

SERIES 310/067 (Fits into service pipe) Range: 500mBar - 4.0 Bar BGE/S/V/5 MSS SP-115 d32



INTEGRAL FLOW LIMITOR

SERIES 310/061 (Fits in tapping tee outlet) Range: 75 mBar - 5 Bar GIS/EFV1 d32



INTEGRAL FLOW LIMITOR

SERIES 310/066 (Fits into service pipe) Range: 500mBar - 4.0 Bar BGE/S/V/5 MSS SP-115 d25

EQUIPMENT AND ANCILLARIES





Fusion Group supplies a comprehensive range of equipment and ancillary tooling to help you achieve perfect joints across all pipe diameters.



GATOR - AUTOMATIC BUTT FUSION Gator 180, 250, 315 and 400



GATOR LINERS Liners maximise the size

of the Gator automatic butt fusion machine

180 - 400mm



WELDA 2 -MANUAL BUTT FUSION



WELDA LINERS

Liners maximise the size of the manual butt fusion machine

180-400mm



WELDA 500 -MANUAL BUTT FUSION

Pipe size range -250 - 500mm Ø



EXTERNAL DEBEADERS

To remove external beads after butt fusion

63-125mm 90-400mm 355-630mm 400-900mm 710-1200mm



INTERNAL DEBEADERS

To remove internal beads after butt fusion

110-400mm (450mm with adaptor)



PIPE LIFTER 400

Assists with ejection and movement of polyethylene pipes during the welding process

Up to 400mm



PIPE SUPPORT ROLLERS

To assist in the butt fusion welding process

63-315mm 63-400mm 315-630mm

EQUIPMENT AND ANCILLARIES



SBOX MAX – ELECTROFUSION Welds Fusamatic

fittings from

d20 - 630mm



SBOX LITE 220V – ELECTROFUSION

Welds Fusamatic fittings from

d20-125mm



UNIPREP SCRAPER

To prepare pipe ends prior to electrofusion

63-250mm 90-400mm 125-500mm 450-710mm



UNIVERSAL SCRAPER

To prepare pipe ends prior to electrofusion

63-250mm



MULTISCRAPE KIT

To prepare pipe ends prior to electrofusion
Designed with coiled pipe in mind

20-63mm



MULTI CLAMP

For alignment and restraint of pipe and electrofusion fittings

63-180mm



MINI CLAMP

For alignment and restraint of pipe and electrofusion fittings for service connections

20, 25 and 32mm



VERSACLAMP

For alignment and restraint of pipe and electrofusion fittings

20, 25 and 32mm



ELBOW CLAMP

For alignment and restraint of pipe and electrofusion fittings

20, 25 and 32mm



MINI AND MAXI POSI CLAMP

For alignment and restraint of pipe and electrofusion fittings

MiniPosi (20-40mm) MaxiPosi (32-63mm)



ALIGNMENT CLAMP

For alignment and restraint of pipe and electrofusion fittings

250mm



TOP LOAD CLAMP

Strap clamp for use on top loaded saddles

63-500mm



STRAP CLAMP 200 STRAIGHT

For alignment and restraint of pipe and electrofusion fittings

40-200mm



STRAP CLAMP 200 KNUCKLE

For alignment and restraint of pipe and electrofusion fittings

40-200mm



STRAP CLAMP TITAN 200

For alignment and restraint of pipe and electrofusion fittings

40-200mm



STRAP CLAMP 500 STRAIGHT

For alignment and restraint of pipe and electrofusion fittings

160-500mm



STRAP CLAMP

TITAN 500

For alignment and restraint of pipe and electrofusion fittings

160-500mm



T-ADAPTOR

Add on tool to enable strap clamps to be used for clamping tees

40-200mm 160-500mm



HYDRAULIC PIPE CLAMP

Hydraulically powered re-rounding and positioning clamps for supporting and restraining large diameter pipes and couplers 400-900mm



REROUNDING/POST **SQUEEZE OFF CLAMP**

For re-rounding pipe after squeeze off has been applied

50-250mm



REROUNDING TOOL

Re-rounding tools for use on polyethylene coiled or oval pipe prior to electrofusion

20-32mm 40-90mm 110-250mm



MINI SQUEEZE TOOL

For use on SDR11 service pipes

16-32mm



SERVICE SQUEEZE TOOL

Squeeze tool for flowstopping on pipe

16-63mm



MECHANICAL **SQUEEZE TOOL**

Squeeze tool for flowstopping on pipe

63-125mm



200 HYDRAULIC MAINS SQUEEZE TOOL

Hydraulic squeeze tool for flowstopping on pipe

63-200mm



250 MAINS SQUEEZE TOOL

Mains squeeze tool for flowstopping on pipe

180-250mm



400 MAINS

SQUEEZE TOOL Mains squeeze tool for flowstopping on pipe

250-400mm



GENERATORS

Manufactured to power electrofusion control boxes and automatic butt fusion machines

5KVA 7.5KVA Petrol or Diesel



FASTCUT DRILL

For use with large diameter electrofusion branch saddles

250-500mm



HAND SCRAPER

Used for scraping pipe areas prior to electrofusion

2.5"



SECATEURS

Secateurs for cutting polyethylene pipe

16-42mm 20-63mm



JUMBO PIPE CUTTER For cutting polyethylene pipe

160-355mm

355-630mm 355-800mm



GUILLOTINE CUTTER

For cutting polyethylene

63-125mm 63-225mm 63-315mm



CUTTER KEY

Drive key tools for service/tapping tee integral cutters with 12mm hexagonal drives



TEST CAPS

A range of reusable caps for the pressure testing of service/tapping tee fittings

32 and 63mm

ACCESS SYSTEMS FOR GAS AND WATER



Fusion offers a comprehensive range of surface boxes in various material combinations: synthetic body with synthetic lids, synthetic body with cast iron lids, synthetic body with ductile iron surface plate/lid as well as cast iron body and lid.

Boundary Boxes

The AVK PENTOBOX range of Water Meter Boundary Boxes, comprises of a class leading, composite Grade B surface box able to withstand an 8 tonne loading and allowing, if required, Automated Meter Reading Technology (AMR). With patented push-fit connections in d20, 25 and 32mm, ½" HG and also ¾" BSP Female threaded.

Surface boxes

Surface boxes are available in a floating design and a fixed/floating reversible design. The reversible surface box allows for deflection and internal fixation of telescopic extension spindles from both ends.

The fixed surface boxes of grey cast iron are height adjustable using ductile iron distance rings of a height of 10-50 mm.

Fixed height surface boxes

Our fixed height synthetic surface boxes are DIN DVGW approved and designed to withstand heavy traffic loads. Therefore, they are often used in medium and heavy duty application areas

Our Futura range is a lightweight and price competitive version and is often used in light to medium duty application areas.

Height adjustable surface boxes

Fusion offers a wide range of DIN DVGW approved height adjustable surface boxes specifically designed for tarmac installation. The use of height adjustable surface boxes enables easy and precise installation thanks to flexible positioning of the top part. The top part ensures a safe and lasting alignment with the road surface preventing costly and time consuming corrections after installation and when roads are renovated.

valve operation at all times. The adaptor and surface box complete the valve access system. Besides giving access to the lower buried valve the surface box can bear media identification for easy recognition and, if required, customer specific logos.

As with all valves, best practice techniques

should be used during installation and

and retrofit extension spindles.

operation. To aid this process a series of

recommended accessories is available, these

include a reliable installation and access system

The valve access system consists of a support

surface box. The support base creates stability

base, down pipe, surface box adaptor and

for the valve and avoids twisting of the pipe,

but it also absorbs high loads and centres the

down pipe installed on top of the valve ensuring



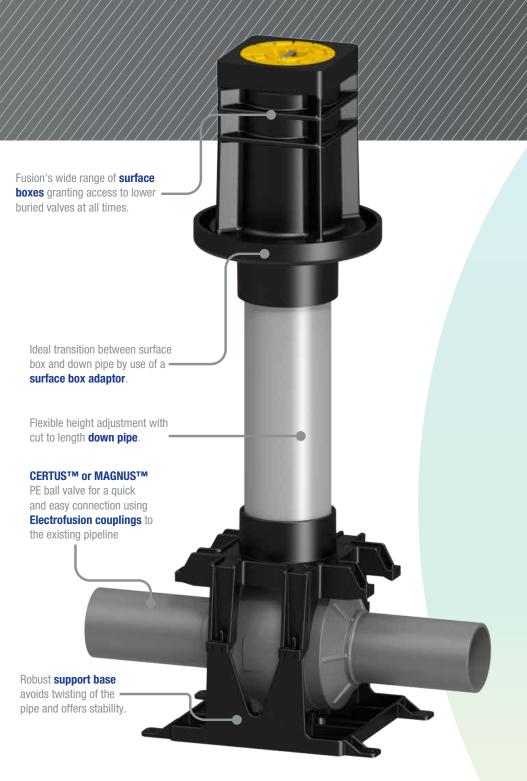


HEIGHT ADJUSTABLE SURFACE BOX FOR SERVICE CONNECTION VALVES ACCORDING TO DIN 4057 SERIES 80/32-100 Cast iron lid

PA+ body

Note: Every effort has been made to ensure the information in this brochure is correct at the date of issue. Fusion operates a policy of continuous product improvement and range extension and, therefore, reserves the right to modify product specifications in line with market requirements. All dimensions in this catalogue are nominal. Occasionally, box quantities may differ from catalogue information.

For more information visit our website www.fusiongroup.com







AVK PENTOBOX WATER METER BOUNDARY BOX GRADE B VERSION, SEALED SERIES 8054/5211 PN16 Polypropylene frame d20-32, ¾" BSP, ½" HG



AVK PENTOBOX WATER METER BOUNDARY BOX GRADE B VERSION, SEALED SERIES 8054/2211 PN16 Polypropylene frame d20-32, ¾" BSP, ½" HG



AVK PENTOBOX WATER METER BOUNDARY BOX GRADE C VERSION, SEALED SERIES 8054/6211 PN16 Polypropylene frame d20-32, ¾" BSP, ½" HG



AVK PENTOBOX WATER METER BOUNDARY BOX GRADE B VERSION, UNSEALED SERIES 8054/8212 PN16 Polypropylene frame d20-32, ¾" BSP, ½" HG



AVK PENTOBOX WATER METER BOUNDARY BOX, CONTAMINATED GROUND GRADE B VERSION, SEALED SERIES 8054/5211 PN16 POlypropylene frame ¾" BSP



AVK PENTOBOX WATER
METER BOUNDARY
BOX, DOUBLE OUTLET
GRADE B VERSION,
SEALED
SERIES 8054/5311
PN16
Polypropylene frame
d25-32, ½" HG



Fusion Group Limited

Chesterfield Derbyshire S41 9PZ England, UK

T: +44 (0) 1246 260111 E: sales@fusiongroup.com www.fusiongroup.com

