Flomasta
MDPE (medium-density polyethylene) push-fit fittings
For above and below ground applications
Quick and easy to install push-fit design
Demountable fitting
Easy to service
Anti-debris seal to prevent contamination
WRAS
APPROVED PRODUCT

FLOMASTA Above and below ground MDPE push-fit

Our NEW range of MDPE push-fit fittings uses a collet with metal gripping teeth to provide a demountable and strong connection. All our fittings come WRAS approved and follow the latest BS ISO 17885 & EN 12201-3 standards to ensure reliability, quality and compliance.

Application: FLOMASTA MDPE Fittings for Cold Water distribution are designed to work with MDPE PE80 pipes. Fittings are designed for use above or below ground, to reliably carry fresh potable water from mains circulation pipes to customers' homes.

• DO NOT USE FOR - Hot water, Central heating, GAS, Compressed air or Fuel oil applications.

Performance: Our fittings are manufactured from reinforced Polypropylene to provide a strong, tough construction that can withstand the demanding tests called for by the EN standards and Water regulatory bodies. As a result, our products can withstand a maximum working pressure of 16 Bar @ 20°C for the life of the product*

Connections: This new range comes with all the connection types you may need.

The standard MDPE push-fit connections are suitable for,
- Blue pipe to BS EN 12201-2, 20mm PN16, 25mm PN12.5
- Blue and Black MDPE pipes to BS6572 and BS6730, respectively

With adapters for,
- PEX & PB to BS2791-2 & 3**
- Copper to BS EN1057**

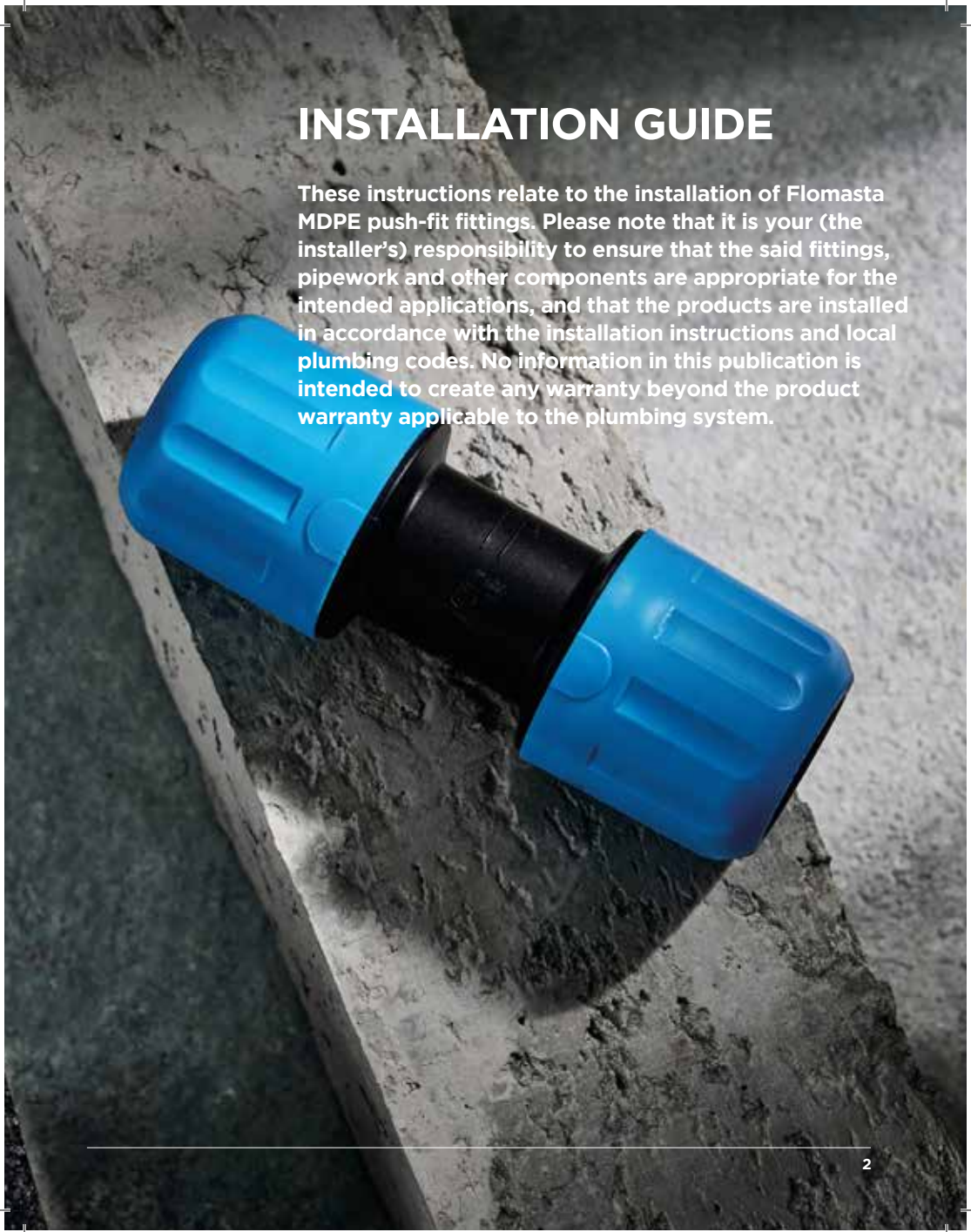
and thread to,
- EN ISO 228-1

Performance: FLOMASTA products are made to the highest level of quality, and we are always looking to improve our products where possible. Our new range of MDPE Push-fit includes a unique anti-debris deal to prevent soil entering the sealing mechanism and causing failure. This seal also prevents any ingress of material that may cause damage to the internal rubber seal and stainless-steel gripping teeth.

* Guaranteed against manufacturing defects for 2 years
** For above ground usage only. Not to be buried into any substrate e.g soil and concrete.

INSTALLATION GUIDE

These instructions relate to the installation of Flomasta MDPE push-fit fittings. Please note that it is your (the installer's) responsibility to ensure that the said fittings, pipework and other components are appropriate for the intended applications, and that the products are installed in accordance with the installation instructions and local plumbing codes. No information in this publication is intended to create any warranty beyond the product warranty applicable to the plumbing system.



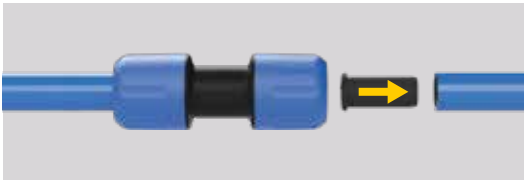
ASSEMBLY

IMPORTANT: Keep fittings in the packaging and clean until ready to use.
DO NOT insert finger into the fitting.

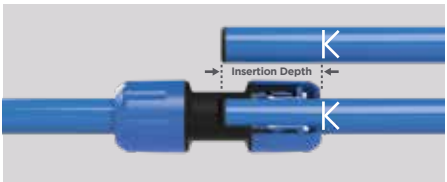
MDPE Push-fit

All fittings and related products should be selected, installed and maintained in accordance with our technical specifications. keep fitting clean and in the packaging until ready to use. Fittings can be installed with Plastic or Copper pipe.

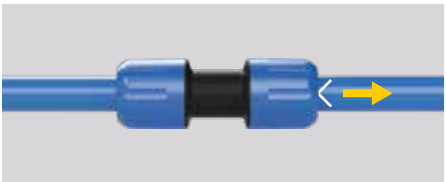
Step 1 Cut the pipe using plastic pipe cutting tool and make sure the ends are at right angle. Ensure the outside of the pipe is free from burrs and scratches. Always use our Flomasta Pipe Insert, which must be fully inserted.



Step 2 Measure and mark the insertion depth onto the pipe. Push the pipe into the fitting until the marking aligns with the edge of the fitting.



Step 3 Pull the pipe from the fitting to check if it is secure.

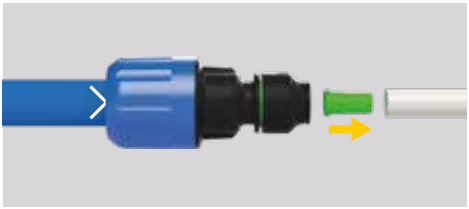


To disconnect Make sure that the system is de-pressurized. To remove Collet Cover, twist the collet cover quarter turn counterclockwise and pull it out.

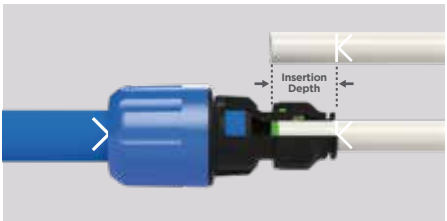
Press collet against the face of the fitting. While pressing the collet, pull the pipe to remove it from the fitting.

MDPE Push-fit Adaptors to PEX, PB & Copper

Step 1 Cut the pipe using plastic pipe cutting tool and make sure the ends are at right angle. Ensure the outside of the pipe is free from burrs and scratches. Always use our PipeGrip pipe Insert, which must be fully inserted. Ensure screw cap is in the open position, the coloured ring will be visible.



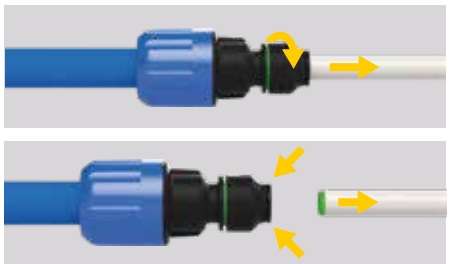
Step 2 Measure and mark the insertion depth onto the pipe. With the green band showing (securing nut loose), push the pipe into the fitting until the marking aligns with the edge of the fitting.



Step 3 Secure the pipe by tightening the securing nut until firm and the green band is hidden. Pull the pipe from the fitting to check it is correctly installed.
Advisory Test system to ensure water tight.

To disconnect Make sure that the system is de-pressurized. Unlock fitting by twisting until coloured ring is visible.

Press collet against the face of the fitting. While pressing the collet, pull the pipe to remove it from the fitting.



To disconnect The maximum torque figures for BSP and BSPT threads used on FLOMASTA MDPE Threaded Adaptors are shown below:

Size	Maximum torque
1/2	3.0 Nm
3/4	4.0 Nm

Please ensure that the threaded connections are made with matching thread patterned to the same British thread standards.

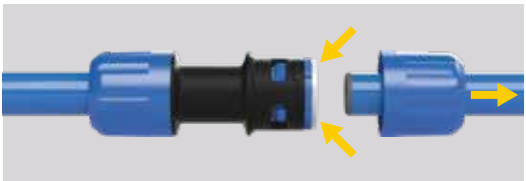
SERVICING

MDPE Push-fit

Our MDPE fittings can be serviced to gain access to the internal seals and washers. This could be needed to clean or reposition the seal in case of faulty installation, or if during the pipe disconnection stage, the insert was to become stuck within the fitting. This action is only to be undertaken by competent persons and if damage is to occur during the disassembly of the fitting, it will not be covered under the guarantee.

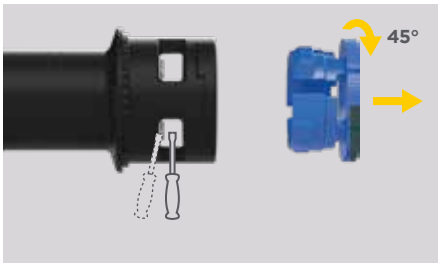
Step 1 Make sure that the system is de-pressurized. To remove Collet Cover, twist the collet cover quarter turn counterclockwise and pull it out.

Step 2 Press collet against the face of the fitting. While pressing the collet, pull the pipe to remove it from the fitting.



Step 3 Put your finger (make sure you are wearing glove) inside the collet and pull it from the blue cap or insert a flat head screwdriver between collet and blue cap and then pry the collet out of the fitting.

Step 4 Turn blue cap's upper part 45 degrees counterclockwise or press your finger in two side holes and use a screwdriver to help depress and pry the cap out of the fitting. Take care not to damage the cap or fitting.



OUR **TECHNICAL INFORMATION**

Chemical Effects

MDPE fittings do not require any additional preparation, coating, protection etc when installed below ground. If When fittings are installed above ground, they should be protected against frost and exposure to any harsh chemicals. UK potable water contained low levels of chemicals e.g chlorine, so there is little to no risk of damage cause by mains water supply.

Paint and Chemicals

Use only water or oil based paint. DO NOT ALLOW CONTACT WITH jointing compounds, cellulose based paints, paint thinners or strippers, solder flux, acid based descalents or aggressive cleaning products, including those below pH4, high in hypochlorite (e.g. bleach) or containing hydrogen peroxide.

Sunlight Exposure

Fittings exposed to permanent direct sunlight will require lagging to protect the fittings from UV damage. Ensure the insulation and process used follows the latest UK building regulations that apply to pipework insulation.

Pipe Inserts

Pipe inserts are important to ensure the walls of the plastic pipes remain ridged and the connection is reliable. Inserts must be fitted correctly to all connections made with MDPE, PEX or PB pipe.
DO NOT use alternative branded inserts with our products as these may not be suitable and failure could occur.

Pressure Testing

Before system signoff/commission, a pressure test to 1.5 times working pressure must be completed before connecting to mains supply. This test must be performed for a duration of 10 minutes.

GUARANTEE

We take special care to select high quality materials and use manufacturing techniques that allow us to create products incorporating design and durability. This product has a manufacturer's guarantee of 2 years against manufacturing defects, from the date of purchase (if bought in store) or date of delivery (if bought online), at no additional cost.

To make a claim under this guarantee, you must present your proof of purchase (such as a sales receipt, purchase invoice or other evidence admissible under applicable law), please keep your proof of purchase in a safe place. For this guarantee to apply, the product you purchased must be new, it will not apply to second hand or display products.

Unless stated otherwise by applicable law, any replacement product issued under this guarantee will only be guaranteed until expiry of the original period guarantee period.

This guarantee covers product failures and malfunctions provided the product was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with the information contained in these terms and conditions, in the user manual and standard practice, provided that standard practice does not conflict with the user manual.

This guarantee does not cover defects and damage caused by normal wear and tear or damage that could be the result of improper use, faulty installation or assembly, neglect, accident, misuse, or modification of the product. Unless stated otherwise by applicable law, this guarantee will not cover, in any case, ancillary costs (shipping, movement, costs of uninstalling and reinstalling, labour etc), or direct and indirect damage.

The guarantee does not cover replacement seals, collets or damage due to inserts being lodged within the fitting.

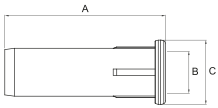
This guarantee does not cover those cases in which the product:
Has been incorrectly handled. Has been repaired, maintained, or modified by an unauthorized person. Has been repaired or maintained with other than original pieces. Has been installed or placed in operation incorrectly.

If the product is defective, we will, within a reasonable time, replace or refund. Rights under this guarantee are enforceable in the country in which you purchased this product. Guarantee related queries should be addressed to the store you purchased this product from.
The guarantee is in addition to and does not affect your statutory rights.

IMPORTANT – RETAIN THIS INFORMATION FOR FUTURE REFERENCE : READ CAREFULLY

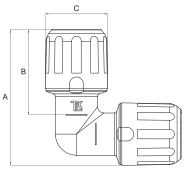
MDPE Push-fit

Inserts



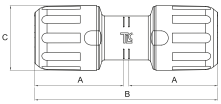
Code	Size d. mm	A mm	Ø B mm	Ø C mm
536CP	20	50	13.1	20
110CP	25	50	18.1	25

90 Elbow



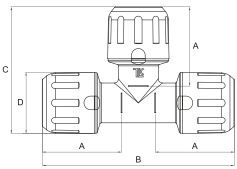
Code	Size d. mm	A mm	B mm	Ø C mm
915CP	20	93	57.5	45.5
	25	109.5	68.5	50.5

Straight Coupler



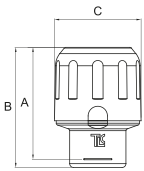
Code	Size d. mm	A mm	B mm	Ø C mm
811CP	20	57.5	118	45.5
131CP	25	68.5	141	50.5

Equal Tee



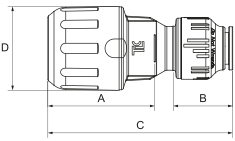
Code	Size d. mm	A mm	B mm	C mm	Ø D mm
119CP	20	57.5	140	93	45.5
	25	68.5	168	109	50.5

Stop End



Code	Size d. mm	A mm	B mm	C mm
381CP	20	57.5	62	45.5
559CP	25	68.5	72.5	50.5

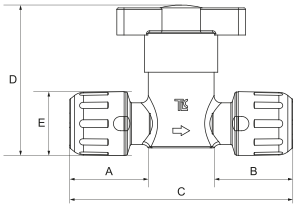
Adapter Coupling

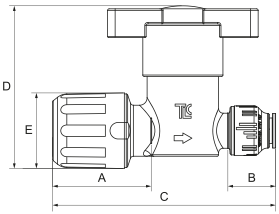


Code	Size d. mm	A mm	B mm	C mm	Ø D mm
566CP	20>15	57.5	30	98.5	45.5
940CP	25>22	68.5	36	111	50.5
129CP	25>15	68.5	30	109.5	50.5

MDPE Push-fit

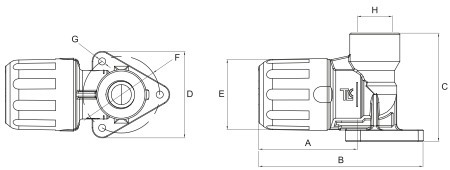
Stop Cock





Code	Size d. mm	A mm	B mm	C mm	D mm	Ø E mm
981CP	20	57.5	57.5	151.5	105	45.5
650CP	25	68.5	68.5	173	107	50.5
956CP	25>15	68.5	30	138	107	50.5
782CP	25>22	68.5	36	150	107	50.5

Wall Plate Elbow



Code	Size d. mm	A mm	B mm	C mm	D mm	Ø E mm	Ø F mm	Ø G mm	Ø H
448CP	20	57.5	99.7	69.6	55.3	45	47.7	5	1/2"
136CP	25	68.5	114	75.5	59.5	50.5	53.5	5	1/2"

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