

**BUILD YOUR KITS ONLINE**



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## MecFlow Kit Components

**CLICK. WELD. DONE.**

[polypipe.com/mecflow](http://polypipe.com/mecflow)

 **Polypipe**

Building Services

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# 1. Polypipe Building Services



## AT THE HEART OF INDUSTRIAL AND TALL BUILDINGS.

At Polypipe Building Services, we harness our ingenuity and creativity to deliver class-leading solutions and product sustainability, with optimised whole-life costs, unrivalled technical support and on-the-ground assistance.



We understand the challenges today's projects face, including climate change, air quality and flooding, and in-industry regulations, skilled labour shortages and the lack of on-site storage facilities. From high-rise residential and commercial office projects to healthcare and leisure facilities, we develop systems that support you, that facilitate easier, more cost-effective ways to install.

Integral to our development process is providing innovative sustainable solutions that support safety, whether from the product itself or in the way it's installed. Our products are designed for a long life, use recycled content and are recyclable at end of life, enabling it to live on in the circular economy. We challenge ourselves on how we help solve on-site problems, whether lack of labour or on-site space, and look to develop solutions that benefit both the installing contractors and the occupants alike.



Polypipe Building Services, part of the Genuit Group. Helping construction build better.

## MORE INNOVATION. MORE EXPERTISE. MORE SUPPORT.

Polypipe Building Services is always working to develop more exceptional products and more cost-effective ways to complete your project. For nearly 60 years, our Terrain brand has been the industry benchmark for drainage systems, but we offer so much more, including our award-winning supply system MecFlow.

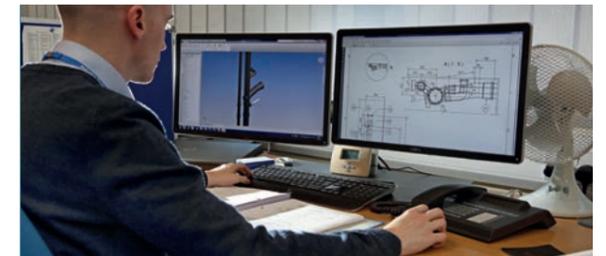
## PRODUCTS AND SYSTEMS

Our specialism is tall buildings, so our products, systems and services reflect that, in design, performance and ease of installation. Our Terrain brand of products and systems have been no exception, from our benchmark, FUZE drainage stacks and PVC soil and waste systems, to the Terrain Q noise reducing system, P.A.P.A.® & Pleura Vent Systems and Firetraps.

However, our continued investment in new technologies and more innovative solutions, enables us to increase our category portfolio, including supply applications like MecFlow, which enables pre-fix installation via unique CLICKWELD technology before permanent electrofusion welding. We are constantly working to bring to market only the most sustainable, beneficial, and cost-effective products and systems – engineered from the most practical, recycled and recyclable materials. Together with our Advantage Service, fabrication capabilities and customer support, you're never left without a solution – whatever the challenge. Contact our sales team to discover more at [commercialenquires@polypipe.com](mailto:commercialenquires@polypipe.com)

## TECHNICAL

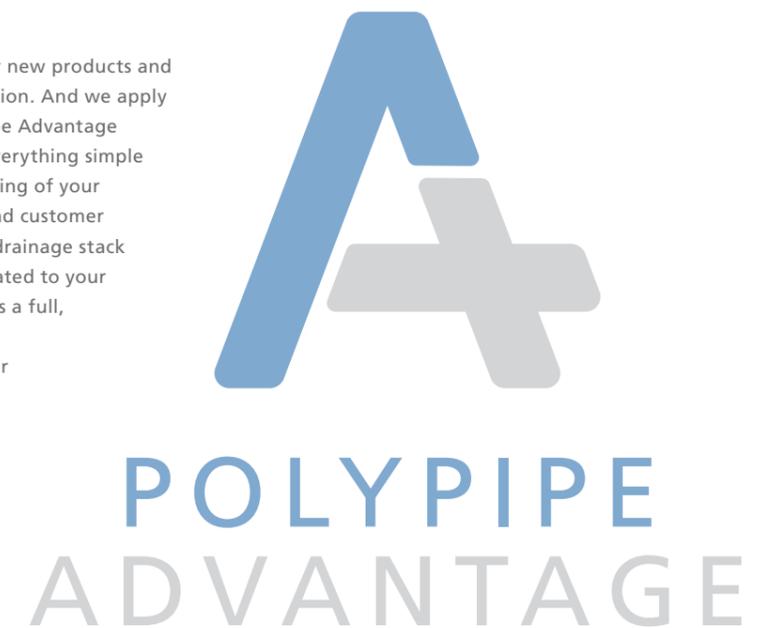
All our products and systems are backed by our hands-on technical team, providing expert support to ensure you receive a system that's right for your project. Whether it's a single component, or a fully fabricated system, you can call upon our specialist advice, and rely on us to deliver exactly what you need.



## POLYPIPE ADVANTAGE SERVICE

We're constantly working and investing to discover new products and systems that take the complexities out of construction. And we apply that philosophy to ease of installation. Our Polypipe Advantage Service has been specifically introduced to make everything simple from beginning to end. From the design and planning of your project, to ordering, delivery, technical support, and customer service. Through Polypipe Advantage, our Terrain drainage stack systems and MecFlow supply systems can be fabricated to your own specification; created off-site, and delivered as a full, ready-to-install system on-site. Facilitating a faster installation process, whilst addressing skilled labour shortages and the lack of on-site storage facilities.

Welcome to Polypipe Building Services.  
Delivering more, to achieve more.



## 2. MecFlow overview

For decades, Polypipe Building Services has focused on its drainage specialism and is well known for its trusted, high quality Terrain drainage solutions.

We've been working hard, leveraging our expertise in plastic pipework systems to bring you more, and we're proud to announce the introduction of our supply system – MecFlow.

MecFlow is a simple, reliable alternative to traditional supply systems. However, 'alternative' doesn't do it justice. Forget what you know about plastic supply systems, MecFlow takes an already tried and tested material and gives you more.

MecFlow is a multi-layer, WRAS approved, PPR pipe whose material formulation has been designed for strength, durability and achieves a fire classification rating of B-s1, d0\*; making it ideal for multi-occupancy and tall building projects.

The system's white inner layer incorporates anti-microbial protection, preventing biofilm build-up and has a high resistance to rigorous disinfection processes. Heat and fluctuating temperatures won't phase MecFlow either. Its central layer benefits from the addition of microfibrils set in a mesh formation, working to reduce thermal expansion and along with several other additives, increases the mechanical resistance of the system.

Finally, MecFlow's outer layer is UV stabilised and abrasion resistant, contributing to the system's robust construction, providing overall high resistance to impact, ensuring it's the confident choice when transporting, storing and handling on-site. But material formulation isn't the only thing that is unique about the system. MecFlow has been designed with an engineered 'CLICKWELD' technology, combining all the benefits of an electrofusion weld, with clip connections, removing the need for clamping and allowing pre-assembly installation before final welding. Making for a faster, more homogenous weld.

\*Fire classification rating according to EN13501, installed according to building regulations. We recommend MecFlow be installed with our Firetrap sleeves.



And if that wasn't all, we've explored how else we could give our customers an advantage on-site using the MecFlow system. By leveraging our 40 years' experience in fabrication, MecFlow will be delivered through our Polypipe Advantage Service, building off-site Kits designed to specification and delivered on-site for a quick and easy installation that has the potential to save you up to 75% of install time.

**Where else can you find a solution that saves labour time and costs?**



**Polypipe Advantage is integral to what makes MecFlow so unique. The Component parts of your system, matched to your design, will be manufactured off-site through the Polypipe Advantage service and delivered to you as a Kit.**

## 3. Features and benefits

### MECFLOW BENEFITS YOUR PROJECT MORE

With its multi-layer PP-RCT material formulation and unique CLICKWELD installation capabilities, MecFlow delivers the features and benefits you need to get the job done quick, easy and without compromising on quality.

### DESIGN



#### TECHNICAL DESIGN

Worried you will have to wait for a technical design to be completed that could take weeks for the size of your project? With the MecFlow Kit Components, the power of itemising your required components and quantities is fully in your hands. The Polypipe Advantage team are on hand to support you with technical queries and our promise to you is to return a quote in a speedy fashion, for any enquiry.



#### CONNECTING MECFLOW COMPONENTS TOGETHER

The connection methods are simple – for pipe diameters in 50mm and above, use the patented MecFlow CLICKWELD technology to get the best efficiency savings from your design and installation time. Proven to outperform traditional methods of installation with significant time savings, the CLICKWELD technology operates on a male to female connection basis. Our riser pipes and pipe lengths all come with standardised fitting types – so picking the ancillary part to join to them couldn't be easier. Alternative Electrofusion, Flanged or Threaded connection options are also available through the range of Converter Components.



#### X-PIECE

Worried about tolerances, variations in slab heights and modifications during on-site construction – we've got it covered. From the X-Piece to our converter range, the site solutions couldn't be easier. The X-Piece component allows a 500mm (or smaller) cut in section and our conversion component range ensures you have the ability to connect to the majority of systems – whether it be Spigoted, Threaded, Flanged, Unions or CLICKWELD, we have the full range available.



#### BIM

The MecFlow Kit Components range is supported with a range of REVIT files designed to an approved BSI Kitemark. The tools provide the ability to design the system with a simple, pre-engineered, data rich 3D model and at the click of a button, you can transfer the design to us - to provide a quotation against it.



#### TESTING

During manufacturing of the Kit Components, items will be constructed in a controlled environment with repeatable test methods. The results of which, ensures a high quality of MecFlow product arrives on-site, time after time.

### MATERIAL



#### LOW NOISE TRANSMISSION

Due to its material properties the MecFlow system provides high resistance to the propagation of noise from water flowing at high velocities within its internal bore.



#### ANTI-MICROBIAL PROTECTION

The MecFlow system is manufactured using a patented material additive within the internal bore surface that prevents pathogens attaching and developing into bacterial colonies.



#### CHEMICAL RESISTANCE

MecFlow has excellent chemical resistance due to its high molecular weight and non-polar polymer structure. It is resistant to fluids from pH1 to pH14.



#### LESS ON-SITE STORAGE

Through the Polypipe Advantage service, MecFlow is delivered in Kits exactly when you need it, reducing the need for long term on-site storage.



#### ABRASION RESISTANCE

The smooth and mechanically robust bore of the MecFlow system protects against material erosion due to the flow of aggressive fluids over long periods of time.



#### UV RESISTANCE

The MecFlow material formulation protects against oxidation by direct exposure to UV radiation from sunlight.

### INSTALLATION



#### CLICKWELD TECHNOLOGY

The unique CLICKWELD technology means no clamps are required for welding, the clips ensure a consistent weld and allow for pre-assembly before electrofusion welding for a secure, long-lasting joint.



#### FAST INSTALLATION

With both the CLICKWELD technology and the MecFlow system being delivered in Kits, faster installation is achieved vs traditional installation methods.



#### LESS ON-SITE WASTE

Through the Polypipe Advantage service, MecFlow is delivered in Kits so you get exactly what you need, reducing packing and on-site waste. What's more Polypipe will recycle any offcuts or end caps at the end of your project.



#### INCREASED MECHANICAL STRENGTH

Due to the addition of micro-fibres to the material formulation, the MecFlow system has improved temperature and pressure characteristics giving it excellent mechanical strength over a range of fluid temperatures.



#### MAXIMISED WATER QUALITY

The system's smooth bore and high chemical resistance maintains the quality of water supplied over the lifecycle of the MecFlow system.



#### LOWER LABOUR COSTS

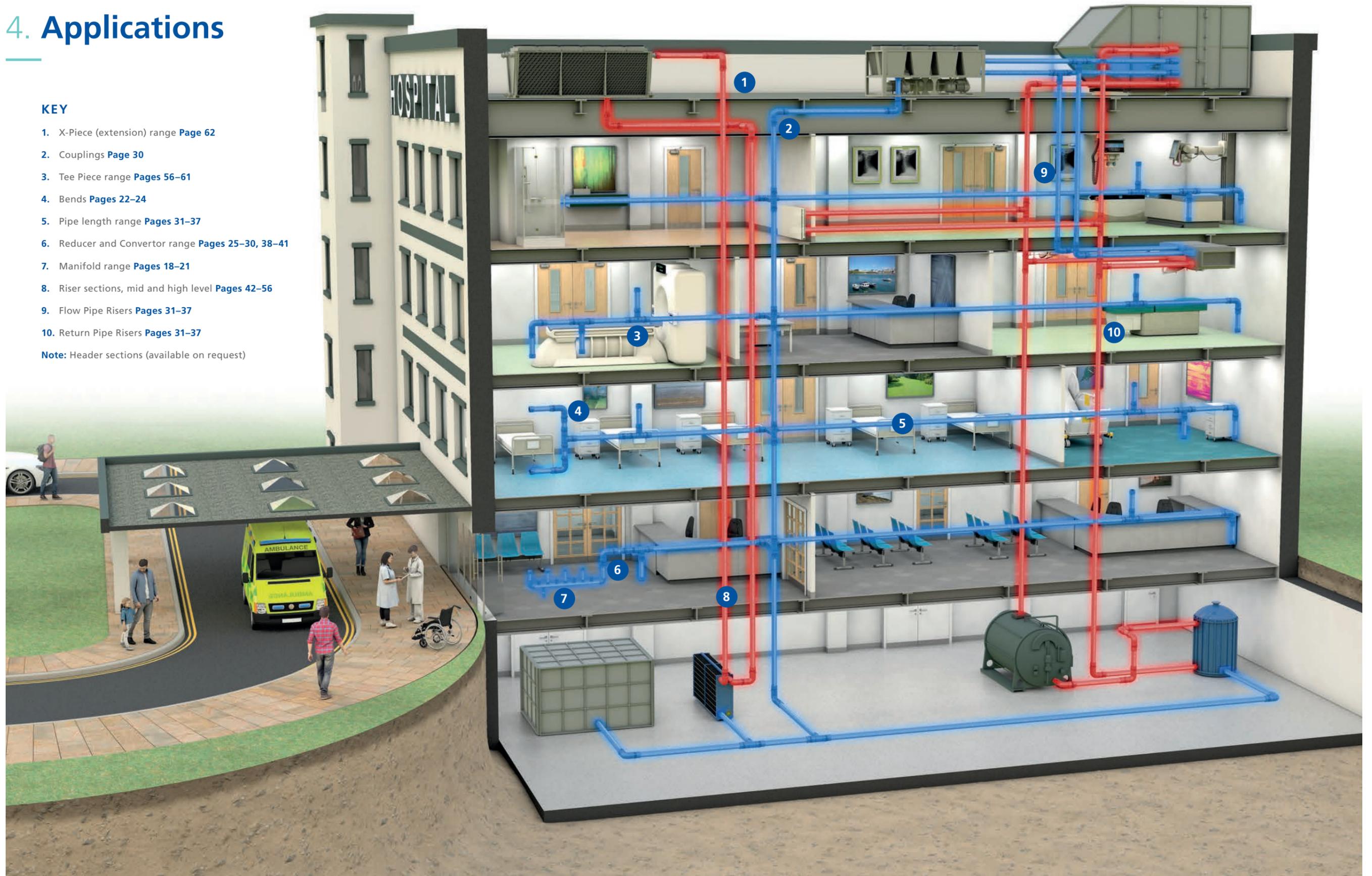
With the system's fast installation method and less labour required for installation, projects benefit from a reduction in labour costs.

## 4. Applications

### KEY

1. X-Piece (extension) range [Page 62](#)
2. Couplings [Page 30](#)
3. Tee Piece range [Pages 56–61](#)
4. Bends [Pages 22–24](#)
5. Pipe length range [Pages 31–37](#)
6. Reducer and Converter range [Pages 25–30, 38–41](#)
7. Manifold range [Pages 18–21](#)
8. Riser sections, mid and high level [Pages 42–56](#)
9. Flow Pipe Risers [Pages 31–37](#)
10. Return Pipe Risers [Pages 31–37](#)

**Note:** Header sections (available on request)



## 4. Applications

Our MecFlow Kit Components have been designed with typical design styles in mind for a variety of applications:



### APPLICATION 1 – BOOSTED COLD WATER SYSTEMS

We typically provide two variations of design styles for this application.

- The first, as a riser with a high-level ceiling grid run-out along corridor spacing
- The second, with a riser and connection to a riser cupboard (or similar) mounted manifold

Whatever your design, the solution can be clicked together with ease.

### APPLICATION 2 – LOW TEMPERATURE HOT WATER SYSTEMS (LTHW)

Whether connecting to ventilation systems and AHU's, or any other forms of Low Temperature Hot Water Systems, the MecFlow Kit Components range is simple to style and match to your requirements. As a flow and return system you can run concurrent risers, run-outs and connections. Utilise our TEE's, Reducer range and Converter range to manoeuvre throughout the building and connect to all variations of plant coils.

### APPLICATION 3 – CHILLED WATER SYSTEMS (CW)

Like the LTHW design, the CW system will likely operate on a flow and return basis. Often in larger pipe sizes and with a wide variation of connection sizes for plant. Our range will provide the options needed to neatly run throughout the CW plant spaces and connect all aspects of the building's cooling system together.

### APPLICATION 4 – HEATING SYSTEMS

Like many piping systems that are often designed for specific applications to meet the everyday needs of their users' requirements. Heating systems come in a diverse range of design styles and we would highly recommend speaking with our technical team to ensure the MecFlow Kit Components range will meet all of your heating system requirements.



### EXAMPLE SYSTEM 1 – AHU SYSTEMS

Air handling units used in many and varied applications to provide, heating, cooling, and filtration.

For heating and cooling applications, either the LPHW or the CW pipework is suitable for the MecFlow system.

### EXAMPLE SYSTEM 2 – LPHW SYSTEMS

Heating systems used predominantly used in conjunction with boilers for their energy saving qualities.

The pipework for these systems is traditionally mild steel, however greater longevity and improved system performance can be achieved using MecFlow. Due to the chemical-resistant properties of the MecFlow inner layer, the build-up of debris within the system, which causes reduction in internal bore, increasing pressure whilst reducing flow rate, is irradiated.

### EXAMPLE SYSTEM 3 – CHILLERS

Chillers use a combination of hot gas, water and air as their medium. MecFlow is compatible for the water piping which would encompass both CW and LPHW.

### EXAMPLE SYSTEM 4 – FLUID BASED HVAC

Due to the rising cost and reduced availability of refrigerant gas, more systems are moving toward water and brines as the cooling or heating medium for HVAC applications in both commercial and light industrial applications. As this trend increases, this will promote interest and further growth opportunity for the MecFlow system.

### EXAMPLE SYSTEM 5 – RETRO FIT AND REPLACEMENT

With CLICKWELD technology and fusion weld technology, MecFlow is the smart solution for pipework replacement in any environment, providing minimum disruption to systems and services, delivering fast, efficient installation, whilst enabling significant reduction in the levels of health and safety provision required.

### EXAMPLE SYSTEM 6 – DRY AIR COOLERS

Dry air coolers comprise small systems coupled to refrigerant plant and much larger installations used in data centre cooling applications, for example. Outside air is the medium used for cooling the water or brine within the system, all of which can be piped using MecFlow. In addition, advancements in Dry air cooler technology are moving toward Adiabatic spray systems (Using sprayed water or saturated pads to reduce the ambient air temperature and increase efficiency). The MecFlow system, therefore, is perfectly suited to this type of application.

### EXAMPLE SYSTEM 7 – COOLING TOWER

Cooling towers are more in the realm of heavy industrial plant, however, they would also benefit from a MecFlow system, as many are situated on hazardous sites and manufacturing plants. The robust hard-wearing, long-lasting nature of the MecFlow system, coupled with its low risk, provides a logical alternative to traditional install methods, whilst encompassing CW, BCW and LPHW.

## 5. Build your MecFlow Kit

It couldn't be any easier – the MecFlow Kit Components are designed for you to pick, click, fit.

Whether you are running pipework up through your building, along corridors, supplying plant equipment or installing manifolds or headers – we've got it all, in a 1,2,3 solution.

- 1 Select the desired components from the range available in the catalogue – take care to make sure the connections are suited for the components to join together.
- 2 Submit your list of components to the Polypipe Advantage team for a quotation to be returned.
- 3 Forward the quotation onto your preferred distributor with an order number to kick start your MecFlow Kit Component delivery.

### CAN'T SEE IT? WE HAVE A SOLUTION.

Whilst our design types cover most specifications and applications, there may be times when you just can't find what you're looking for. For example:

- Additional pipe diameter available
- Additional connection options available
- Bespoke variations of the current components
- Offset available
- Header designs available

If this is the case, simply talk to our dedicated Sales or Technical teams who will work with you to develop a system that meets your unique requirements.

It's easy to get started, just contact us at [mecflow@polypipe.com](mailto:mecflow@polypipe.com)



### BIM CAPABILITIES

We are proud to be able to offer a BSI Kitemark-approved BIM process from Polypipe Building Services.

Our BIM process ensures a data rich 3D file is available for all the MecFlow Kit Components. Our systems couldn't be any easier to use and implement within your project designs. Based on a 3D REVIT file, our products are offered in parametric form. Simply import the REVIT family from our library and use the properties within the file to select from a series of options to determine the product that you would like to include in your design.

Our families consist of Riser sections with branches, Tee pieces, Pipe Lengths, Reducers, Bends (45 and 90 degree), Manifolds, Convertors and Couplings. We include a range of connection types in each model and provide the ability to highlight where a tailored option to the standard part may be required, specific to your project.

To ensure we provide a pre-engineered product to the market, some elements of the REVIT models will have been pre-determined and potentially limited to ensure your selection is representative of a part that can be manufactured. We welcome any discussion to tailor your solution from a standard part to a site-specific measurement, and even have in-house capabilities to provide complete bespoke designs specific to your project's needs.

Furthermore, our BIM capabilities enable you to return your design file to us for an immediate quotation against your design. Further supported by a comprehensive UK stock portfolio, the product is available from design to installation, whilst matching your specific requirements.

For more information on how our BIM capabilities can help maximise your project potential, simply contact us at [mecflow@polypipe.com](mailto:mecflow@polypipe.com)

## Frequently asked questions



### 1. Do I need to worry about setting up product discounts with you and the merchants?

No. The MecFlow range couldn't be easier for you to buy. Our pricing is provided on a project basis and will be issued as a competitive project price to you from day one. Simply send your net price quotation through to a selected Merchant Partner to progress it through to an order.

### 2. Will I need to sign-off manufacturing drawings to receive items?

Not with the Kit range. We want to keep it 'pick, click, fit' - simple. However, if you can't see exactly what you want within the Kit range, we would welcome you contacting our Advantage team to discuss requirements so that we can forward a bespoke drawing and quotation for your approval.

### 3. What is the expected lead time?

Many of the MecFlow Kit range items will be available from Polypipe's stock portfolio with some of the more site-specific items that are used in high volumes, stocked in local Merchant Depots. Outside of this, for items that are non-stock based, an anticipated lead time is up to 10 working days from receipt of order.

### 5. Can we be signed-off as Approved Installers for this product?

We believe that the installation of MecFlow has been made so simple that there is no need for a manufacturer approval for installers. However a full and comprehensive range of training on our MecFlow product is available either at your premises, on-site or at our offices in Aylesford.

### 6. What product installation training is available?

We offer a wide range of training with our specialist MecFlow team:

- In-House training
- Training videos
- On-site (material not provided)
- Virtual training

### 7. What brackets are required?

Please contact the Polypipe Advantage team on **01622 795200**.



### 8. What transition pieces are available within MecFlow?

Connection to other materials can be achieved using the MecFlow range of threaded fittings, and for larger diameters, flanged connections.

### 9. What chemicals are suitable for commissioning and dosing?

The use of chlorine dioxide as a disinfectant is permitted, however the level of constant dosing must be strictly controlled and shall not exceed 0.5mg/l. Guidance as to the use of this chemical as a disinfectant is provided in BS EN 806 and the addendum BS 8558:2015. Further guidance is provided in ACoP L8.

## TECHNICAL HUB

We harness ingenuity and creativity to deliver class-leading solutions and product sustainability, with optimised whole-life costs, unrivalled technical support and on-the-ground assistance for the commercial building sector. Providing a wide variety of

### 10. Do I need to firestop MecFlow?

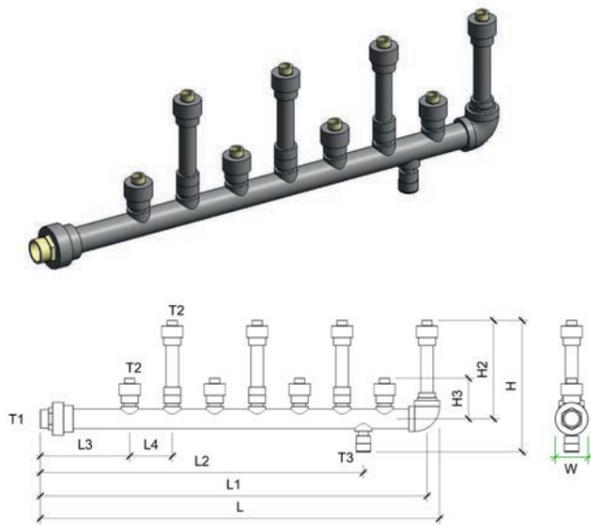
Although the MecFlow system has an excellent fire classification, the system must be considered as combustible for the purposes of compliance to UK Building Regulation B. With this in mind, where MecFlow pipes of nominal diameter  $\geq 40$ mm pass through a fire compartment floor or wall, the penetration must be protected with a fire sleeve. Our Firetrap Sleeves have been tested with MecFlow to BS EN 1366-3.

For a copy of the test report and further technical guidance, please contact the **Polypipe Advantage team** on **01622 795200**.

additional support tools including datasheets, technical manuals, technical bulletins and specification clauses – giving you all the technical information you need to make an informed decision. [www.polypipe.com/commercial-building-services/technical-hub](http://www.polypipe.com/commercial-building-services/technical-hub)

# 6. Product list

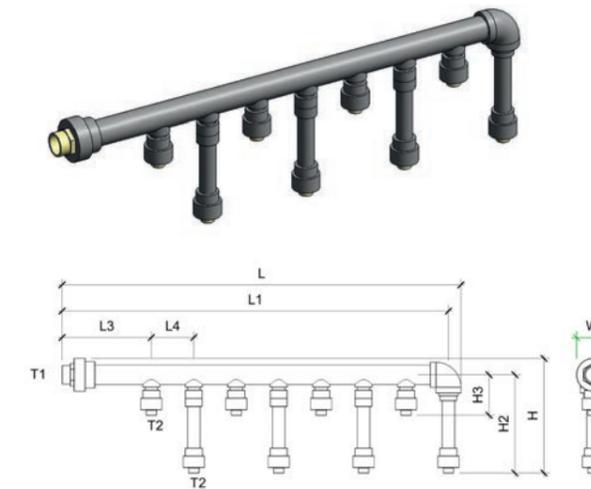
## Manifolds - Horizontal with drain cock



MANIFOLDS	NO. OF PORTS	LENGTH				
		TOTAL LENGTH L mm	TOTAL LENGTH (CENTRE) L1 mm	LENGTH TO DRAIN COCK L2 mm	LENGTH TO FIRST PORT L3 mm	LENGTH BETWEEN PORTS L4 mm
3808.50Y32075Y.2.HDX	2	343	310	145	200	110
3808.50Y32075Y.3.HDX	3	453	420	255	200	110
3808.50Y32075Y.4.HDX	4	563	530	365	200	110
3808.50Y32075Y.5.HDX	5	673	640	475	200	110
3808.50Y32075Y.6.HDX	6	783	750	585	200	110
3808.50Y32075Y.7.HDX	7	893	860	695	200	110
3808.50Y32075Y.8.HDX	8	1003	970	805	200	110
3808.50Y32075Y.9.HDX	9	1113	1080	915	200	110
3808.50Y32075Y.10.HDX	10	1223	1190	1025	200	110
3808.50Y32075Y.11.HDX	11	1333	1300	1135	200	110
3808.50Y32075Y.12.HDX	12	1443	1410	1245	200	110

HEIGHT				WIDTH	CONNECTION TYPES					
TOTAL HEIGHT H mm	LONG PORT HEIGHT H2 mm	SHORT PORT HEIGHT H4 mm	DRAIN COCK HEIGHT H3 mm		PRIMARY DN T1	PORT DN T2	DRAIN DN T3	PRIMARY	PORTS	DRAIN
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
340	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded

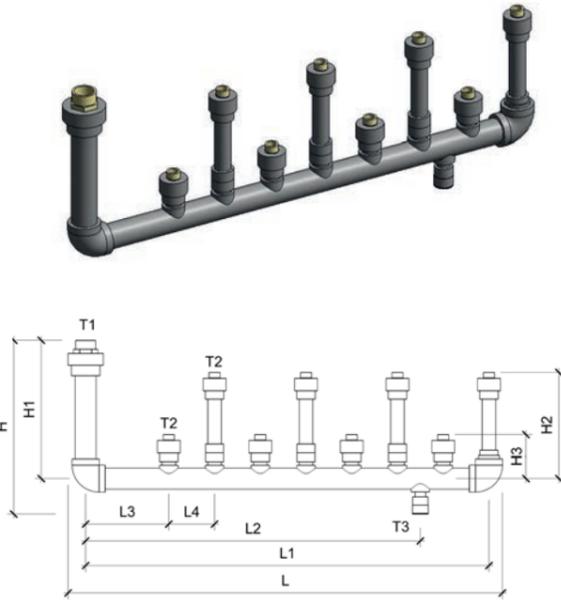
## Manifolds - Horizontal without drain cock



MANIFOLDS	NO. OF PORTS	LENGTH			
		TOTAL LENGTH L mm	TOTAL LENGTH (CENTRE) L1 mm	LENGTH TO FIRST PORT L2 mm	LENGTH BETWEEN PORTS L4 mm
3818.50Y32075Y.2.HX	2	343	310	200	110
3818.50Y32075Y.3.HX	3	453	420	200	110
3818.50Y32075Y.4.HX	4	563	530	200	110
3818.50Y32075Y.5.HX	5	673	640	200	110
3818.50Y32075Y.6.HX	6	783	750	200	110
3818.50Y32075Y.7.HX	7	893	860	200	110
3818.50Y32075Y.8.HX	8	1003	970	200	110
3818.50Y32075Y.9.HX	9	1113	1080	200	110
3818.50Y32075Y.10.HX	10	1223	1190	200	110
3818.50Y32075Y.11.HX	11	1333	1300	200	110
3818.50Y32075Y.12.HX	12	1443	1410	200	110

HEIGHT				WIDTH	CONNECTION TYPES			
TOTAL HEIGHT H mm	LONG PORT HEIGHT H2 mm	SHORT PORT HEIGHT H4 mm	DRAIN COCK HEIGHT H3 mm		PRIMARY DN T1	PORT DN T2	PRIMARY	PORTS
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
297	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded

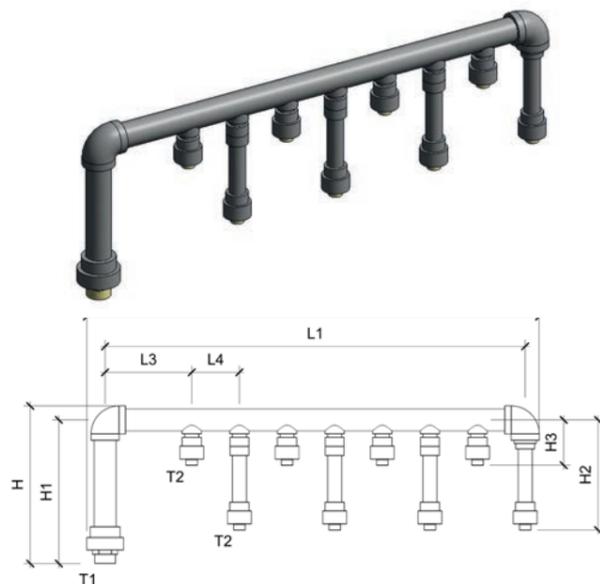
## Manifolds - Vertical with drain cock



MANIFOLDS	NO. OF PORTS	LENGTH				
		TOTAL LENGTH L mm	TOTAL LENGTH (CENTRE) L1 mm	LENGTH TO DRAIN COCK L2 mm	LENGTH TO FIRST PORT L3 mm	LENGTH BETWEEN PORTS mm
3808.50Y32075Y.2.VDX	2	385	310	145	200	110
3808.50Y32075Y.3.VDX	3	495	420	255	200	110
3808.50Y32075Y.4.VDX	4	605	530	365	200	110
3808.50Y32075Y.5.VDX	5	715	640	475	200	110
3808.50Y32075Y.6.VDX	6	825	750	585	200	110
3808.50Y32075Y.7.VDX	7	935	860	695	200	110
3808.50Y32075Y.8.VDX	8	1045	970	805	200	110
3808.50Y32075Y.9.VDX	9	1155	1080	915	200	110
3808.50Y32075Y.10.VDX	10	1265	1190	1025	200	110
3808.50Y32075Y.11.VDX	11	1375	1300	1135	200	110
3808.50Y32075Y.12.VDX	12	1485	1410	1245	200	110

HEIGHT					WIDTH	CONNECTION TYPES					
TOTAL HEIGHT H mm	VERTICAL INLET HEIGHT H1 mm	LONG PORT HEIGHT H2 mm	SHORT PORT HEIGHT H4 mm	DRAIN COCK HEIGHT H3 mm		PRIMARY DN T1	PORT DN T2	DRAIN DN T3	PRIMARY	PORTS	DRAIN
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded
384	300	254	105	86	85	1½"	¾"	½"	Male Threaded	Male Threaded	Female Threaded

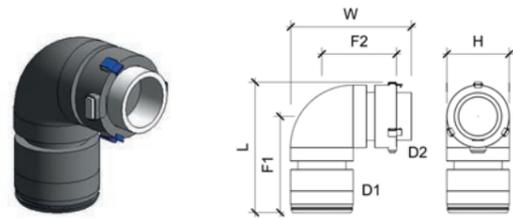
## Manifolds - Vertical without drain cock



MANIFOLDS	NO. OF PORTS	LENGTH			
		TOTAL LENGTH L mm	TOTAL LENGTH (CENTRE) L1 mm	LENGTH TO FIRST PORT L3 mm	LENGTH BETWEEN PORTS L4 mm
3818.50Y32075Y.2.VX	2	385	310	200	110
3818.50Y32075Y.3.VX	3	495	420	200	110
3818.50Y32075Y.4.VX	4	605	530	200	110
3818.50Y32075Y.5.VX	5	715	640	200	110
3818.50Y32075Y.6.VX	6	825	750	200	110
3818.50Y32075Y.7.VX	7	935	860	200	110
3818.50Y32075Y.8.VX	8	1045	970	200	110
3818.50Y32075Y.9.VX	9	1155	1080	200	110
3818.50Y32075Y.10.VX	10	1265	1190	200	110
3818.50Y32075Y.11.VX	11	1375	1300	200	110
3818.50Y32075Y.12.VX	12	1485	1410	200	110

HEIGHT					WIDTH	CONNECTION TYPES			
TOTAL HEIGHT H mm	VERTICAL INLET HEIGHT H1 mm	LONG PORT HEIGHT H2 mm	SHORT PORT HEIGHT H4 mm	DRAIN COCK HEIGHT H3 mm		PRIMARY DN T1	PORT DN T2	PRIMARY	PORTS
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded
332	300	254	105	86	85	1½"	¾"	Male Threaded	Male Threaded

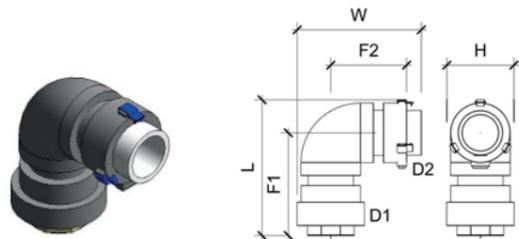
## Bends - 90° bend CLICKWELD to CLICKWELD



NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

BENDS	WIDTH	LENGTH			HEIGHT	CONNECTION TYPES			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm		PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3801.32EE	156	155	135	135	42	32	32	Electrofusion	Electrofusion
3801.40EE	156	167	142	142	52	40	40	Electrofusion	Electrofusion
3801.50MF	157	152	120	101	78	50	50	CLICKWELD Male	CLICKWELD Female
3801.63MF	186	183	142	119	93	63	63	CLICKWELD Male	CLICKWELD Female
3801.75MF	212	214	157	133	107	75	75	CLICKWELD Male	CLICKWELD Female
3801.90MF	241	262	196	152	123	90	90	CLICKWELD Male	CLICKWELD Female
3801.110MF	279	301	222	172	144	110	110	CLICKWELD Male	CLICKWELD Female
3801.125MF	322	329	242	203	162	125	125	CLICKWELD Male	CLICKWELD Female
3801.160MF	398	394	296	257	205	160	160	CLICKWELD Male	CLICKWELD Female

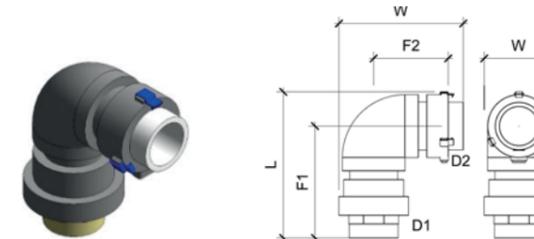
## Bends - 90° bend CLICKWELD to BSPF



NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

BENDS	WIDTH	LENGTH			HEIGHT	CONNECTION TYPES			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm		PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3801.32EX	162	140	118	135	54	32	32	Electrofusion	Threaded Female
3801.40EX	142	169	143	142	64	40	40	Electrofusion	Threaded Female
3801.50MX	166	163	131	101	85	50	50	CLICKWELD Male	Threaded Female
3801.63MX	193	212	166	119	99	63	63	CLICKWELD Male	Threaded Female
3801.75MX	222	222	171	133	122	75	75	CLICKWELD Male	Threaded Female
3801.90MX	249	272	206	152	135	90	90	CLICKWELD Male	Threaded Female
3801.110MX	287	303	224	172	160	110	110	CLICKWELD Male	Threaded Female

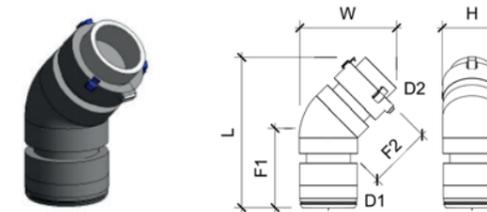
## Bends - 90° bend CLICKWELD to BSPM



NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

BENDS	WIDTH	LENGTH			HEIGHT	CONNECTION TYPES			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm		PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3801.32EY	162	140	119	135	54	32	32	Electrofusion	Threaded Male
3801.40EY	182	169	143	142	81	40	40	Electrofusion	Threaded Male
3801.50MY	166	183	151	101	85	50	50	CLICKWELD Male	Threaded Male
3801.63MY	193	221	180	119	98	63	63	CLICKWELD Male	Threaded Male
3801.75MY	223	250	193	133	123	75	75	CLICKWELD Male	Threaded Male
3801.90MY	249	298	232	152	135	90	90	CLICKWELD Male	Threaded Male
3801.110MY	287	336	257	172	160	110	110	CLICKWELD Male	Threaded Male

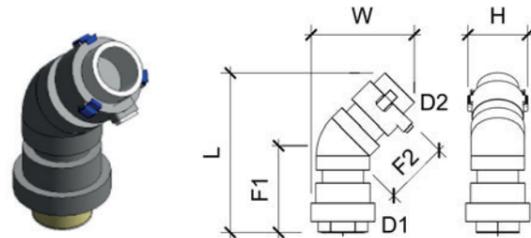
## Bends - 45° bend CLICKWELD to CLICKWELD



NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

BENDS	WIDTH	LENGTH			HEIGHT	CONNECTION TYPES			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm		PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3802.32EE	124	233	130	130	42	32	32	Electrofusion	Electrofusion
3802.40EE	152	246	136	136	65	40	40	Electrofusion	Electrofusion
3802.50MF	131	207	109	91	78	50	50	CLICKWELD Male	CLICKWELD Female
3802.63MF	153	233	122	100	93	63	63	CLICKWELD Male	CLICKWELD Female
3802.75MF	176	263	137	113	107	75	75	CLICKWELD Male	CLICKWELD Female
3802.90MF	198	307	168	123	123	90	90	CLICKWELD Male	CLICKWELD Female
3802.110MF	233	348	187	139	144	110	110	CLICKWELD Male	CLICKWELD Female
3802.125MF	260	369	190	152	162	125	125	CLICKWELD Male	CLICKWELD Female
3802.160MF	331	473	243	204	205	160	160	CLICKWELD Male	CLICKWELD Female

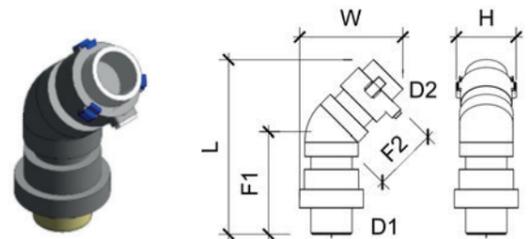
### Bends - 45° bend CLICKWELD to BSPF



NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

BENDS	WIDTH	LENGTH			HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm		FITTED LENGTH F2 mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY
3802.32EX	128	199	98	127	55	32	32	Electrofusion	Threaded Female
3802.40EX	139	208	100	132	64	40	40	Electrofusion	Threaded Female
3802.50MX	140	219	121	91	85	50	50	CLICKWELD Male	Threaded Female
3802.63MX	160	247	135	100	99	63	63	CLICKWELD Male	Threaded Female
3802.75MX	186	278	152	113	121	75	75	CLICKWELD Male	Threaded Female
3802.90MX	207	317	178	123	135	90	90	CLICKWELD Male	Threaded Female
3802.110MX	243	349	187	140	160	110	110	CLICKWELD Male	Threaded Female

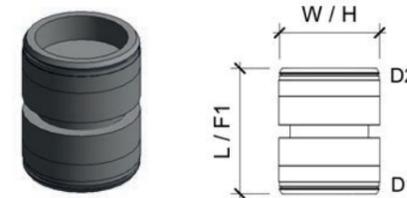
### Bends - 45° bend CLICKWELD to BSPM



NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

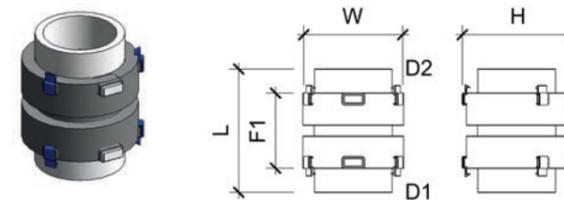
BENDS	WIDTH	LENGTH			HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm		FITTED LENGTH F2 mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY
3802.32EY	129	214	112	127	55	32	32	Electrofusion	Threaded Male
3802.40EY	148	242	134	132	81	40	40	Electrofusion	Threaded Male
3802.50MY	141	240	141	91	85	50	50	CLICKWELD Male	Threaded Male
3802.63MY	160	271	160	100	99	63	63	CLICKWELD Male	Threaded Male
3802.75MY	188	300	174	113	124	75	75	CLICKWELD Male	Threaded Male
3802.90MY	207	343	204	123	135	90	90	CLICKWELD Male	Threaded Male
3802.110MY	242	374	212	140	160	110	110	CLICKWELD Male	Threaded Male

### Convertor - CLICKWELD female to CLICKWELD female



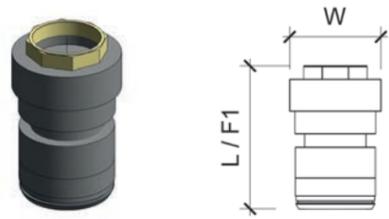
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm		FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm
3805.50F	66	126	126	66	50	50	CLICKWELD Female	CLICKWELD Female
3805.63F	83	146	146	83	63	63	CLICKWELD Female	CLICKWELD Female
3805.75F	99	155	155	99	75	75	CLICKWELD Female	CLICKWELD Female
3805.90F	118	202	202	118	90	90	CLICKWELD Female	CLICKWELD Female
3805.110F	144	219	219	144	110	110	CLICKWELD Female	CLICKWELD Female
3805.125F	162	200	200	162	125	125	CLICKWELD Female	CLICKWELD Female
3805.160F	205	226	226	205	160	160	CLICKWELD Female	CLICKWELD Female

### Convertor - CLICKWELD male to CLICKWELD male



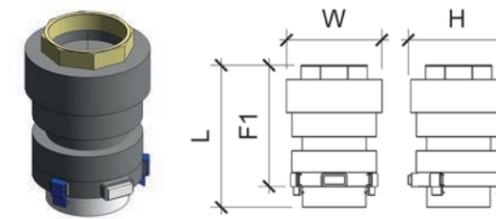
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm		FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm
3805.50M	78	154	109	84	50	50	CLICKWELD Male	CLICKWELD Male
3805.63M	93	167	117	97	63	63	CLICKWELD Male	CLICKWELD Male
3805.75M	101	181	125	119	75	75	CLICKWELD Male	CLICKWELD Male
3805.90M	119	190	131	137	90	90	CLICKWELD Male	CLICKWELD Male
3805.110M	144	198	129	162	110	110	CLICKWELD Male	CLICKWELD Male
3805.125M	161	214	137	178	125	125	CLICKWELD Male	CLICKWELD Male
3805.160M	196	246	169	212	160	160	CLICKWELD Male	CLICKWELD Male

### Convertor - CLICKWELD female to BSPF



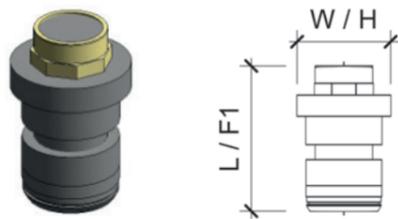
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm		FITTED LENGTH F1 mm	PRIMARY DN D1 mm	SECONDARY DN D2	PRIMARY
3805.50FX	85	137	137	85	50	1½"	CLICKWELD Female	Female Threaded
3805.63FX	98	170	170	98	63	2"	CLICKWELD Female	Female Threaded
3805.75FX	121	169	169	121	75	2½"	CLICKWELD Female	Female Threaded
3805.90FX	135	212	212	135	90	3"	CLICKWELD Female	Female Threaded
3805.110FX	160	221	221	160	110	4"	CLICKWELD Female	Female Threaded

### Convertor - CLICKWELD male to BSPF



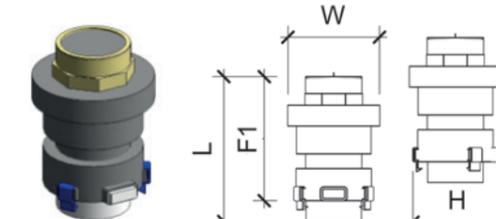
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm		FITTED LENGTH F1 mm	PRIMARY DN D1 mm	SECONDARY DN D2	PRIMARY
3805.50MX	85	152	129	85	50	1½"	CLICKWELD Male	Female Threaded
3805.63MX	98	181	156	106	63	2"	CLICKWELD Male	Female Threaded
3805.75MX	123	177	149	123	75	2½"	CLICKWELD Male	Female Threaded
3805.90MX	135	201	171	139	90	3"	CLICKWELD Male	Female Threaded
3805.110MX	160	211	176	164	110	4"	CLICKWELD Male	Female Threaded

### Convertor - CLICKWELD female to BSPM



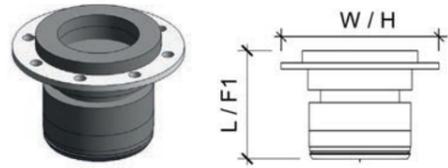
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm		FITTED LENGTH F1 mm	PRIMARY DN D1 mm	SECONDARY DN D2	PRIMARY
3805.50FY	85	158	158	85	50	1½"	CLICKWELD Female	Male Threaded
3805.63FY	98	194	194	98	63	2"	CLICKWELD Female	Male Threaded
3805.75FY	123	191	191	123	75	2½"	CLICKWELD Female	Male Threaded
3805.90FY	135	239	239	135	90	3"	CLICKWELD Female	Male Threaded
3805.110FY	160	254	254	160	160	4"	CLICKWELD Female	Male Threaded

### Convertor - CLICKWELD male to BSPM



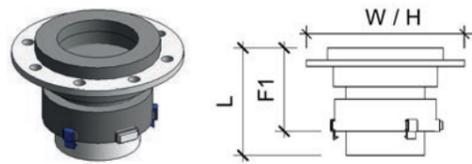
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm		FITTED LENGTH F1 mm	PRIMARY DN D1 mm	SECONDARY DN D2	PRIMARY
3805.50MY	85	172	149	95	50	1½"	CLICKWELD Male	Male Threaded
3805.63MY	98	195	170	106	63	2"	CLICKWELD Male	Male Threaded
3805.75MY	123	200	172	123	75	2½"	CLICKWELD Male	Male Threaded
3805.90MY	135	228	198	139	90	3"	CLICKWELD Male	Male Threaded
3805.110MY	160	244	209	164	110	4"	CLICKWELD Male	Male Threaded

### Convertor - CLICKWELD female to flange



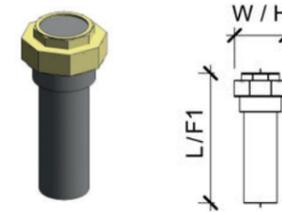
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3805.50FFL	85	143	115	95	50	50	CLICKWELD Female	Flange
3805.63FFL	98	163	130	106	63	63	CLICKWELD Female	Flange
3805.75FFL	123	171	136	123	75	75	CLICKWELD Female	Flange
3805.90FFL	135	197	167	139	90	90	CLICKWELD Female	Flange
3805.110FFL	160	203	180	164	110	110	CLICKWELD Female	Flange
3805.125FFL	252	175	175	252	125	125	CLICKWELD Female	Flange
3805.160FFL	284	238	238	284	160	160	CLICKWELD Female	Flange

### Convertor - CLICKWELD male to flange



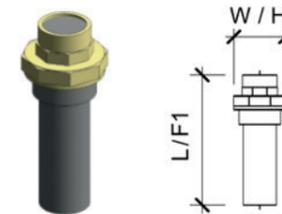
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3805.50MFL	154	130	108	154	50	50	CLICKWELD Male	Flange
3805.63MFL	166	140	115	166	63	63	CLICKWELD Male	Flange
3805.75MFL	186	144	116	186	75	75	CLICKWELD Male	Flange
3805.90MFL	201	155	126	201	90	90	CLICKWELD Male	Flange
3805.110MFL	222	170	136	222	110	110	CLICKWELD Male	Flange
3805.125MFL	252	181	143	252	125	125	CLICKWELD Male	Flange
3805.160MFL	284	237	199	284	160	160	CLICKWELD Male	Flange

### Convertor - spigot to female union



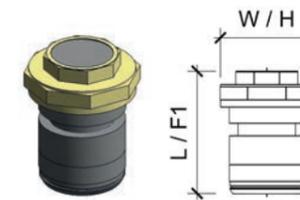
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2	PRIMARY	SECONDARY
3805.40SFU	64	147	147	64	40	1¼"	Spigot	Female Union

### Convertor - spigot to male union



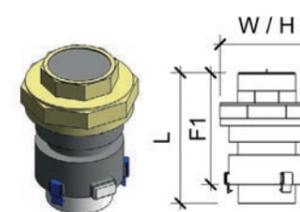
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2	PRIMARY	SECONDARY
3805.40SMU	69	219	219	64	40	1¼"	Spigot	Male Union

### Convertor - CLICKWELD female to female union



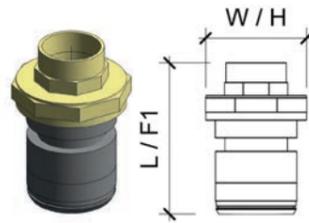
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2	PRIMARY	SECONDARY
3805.50FFU	87	125	125	87	50	1½"	CLICKWELD Female	Female Union
3805.90FFU	159	193	193	159	90	3"	CLICKWELD Female	Female Union

### Convertor - CLICKWELD male to female union



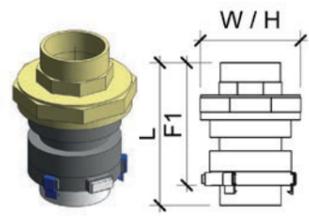
CONVERTOR	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2	PRIMARY	SECONDARY
3805.50MFU	87	140	117	87	50	1½"	CLICKWELD Male	Female Union
3805.90MFU	159	183	153	159	90	3"	CLICKWELD Male	Female Union

### Convertor - CLICKWELD female to male union



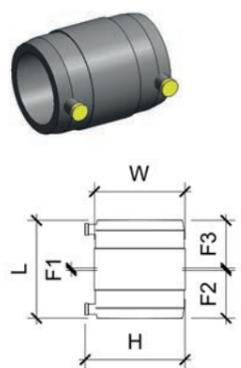
CONVERTOR CODE	WIDTH		LENGTH		HEIGHT H mm	CONNECTION TYPES			
	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	PRIMARY DN D1 mm		SECONDARY DN D2 mm	PRIMARY	SECONDARY	
3805.50FMU	87	137	137	87	50	1½"	CLICKWELD Female	Male Union	
3805.63FMU	104	158	158	104	63	2"	CLICKWELD Female	Male Union	
3805.90FMU	159	220	220	159	90	3"	CLICKWELD Female	Male Union	

### Convertor - CLICKWELD male to male union



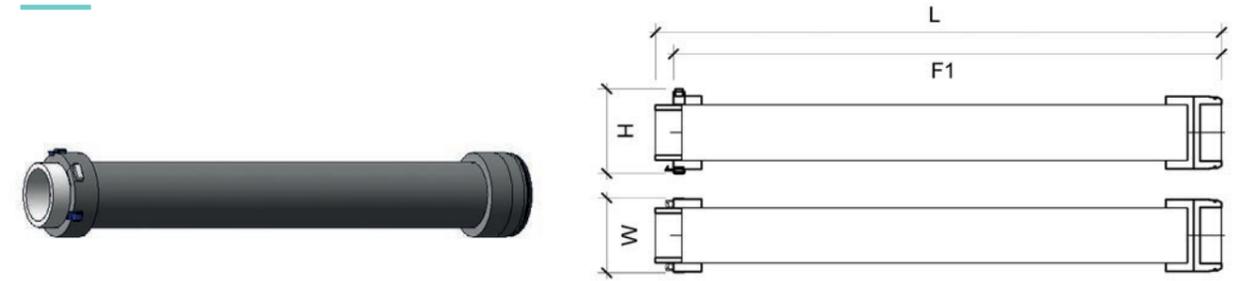
CONVERTOR CODE	WIDTH		LENGTH		HEIGHT H mm	CONNECTION TYPES			
	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	PRIMARY DN D1 mm		SECONDARY DN D2 mm	PRIMARY	SECONDARY	
3805.50MMU	87	151	128	96	50	1½"	CLICKWELD Male	Male Union	
3805.63MMU	104	169	144	109	63	2"	CLICKWELD Male	Male Union	
3805.90MMU	159	209	179	159	90	3"	CLICKWELD Male	Male Union	

### Electrofusion coupling



COUPLING CODE	WIDTH		LENGTH		HEIGHT H mm	CONNECTION TYPES	
	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm		FITTED LENGTH F3 mm	PRIMARY DN D1 mm
3810.32G	49	82	1	41	41	63	32
3810.40G	58	86	2	42	42	73	40
3810.50G	72	102	5	49	49	87	50
3810.63G	86	119	5	57	57	102	63
3810.75G	104	131	2	65	65	120	75
3810.90G	122	146	1	73	73	132	90
3810.110G	149	161	4	79	79	165	100
3810.125G	164	183	3	90	90	178	125
3810.160G	210	191	1	95	95	223	160

### Pipe Lengths - 250mm & 500mm

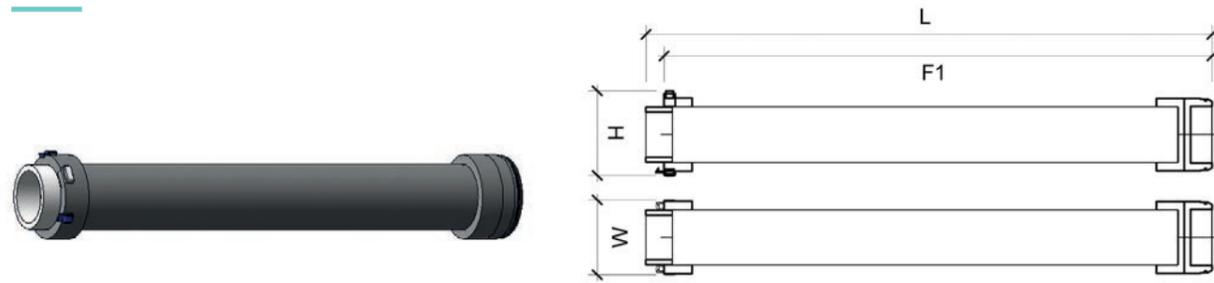


NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

250mm PIPE CODE	WIDTH		LENGTH		HEIGHT H mm	CONNECTION TYPES			
	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	PRIMARY DN D1 mm		SECONDARY DN D2 mm	PRIMARY	SECONDARY	
3800.32EE250	32	250	250	32	32	32	Electrofusion	Electrofusion	
3800.40EE250	40	250	250	40	40	40	Electrofusion	Electrofusion	
3800.50MF250	78	273	250	84	50	50	CLICKWELD Male	CLICKWELD Female	
3800.63MF250	93	275	250	97	63	63	CLICKWELD Male	CLICKWELD Female	
3800.75MF250	107	278	250	119	75	75	CLICKWELD Male	CLICKWELD Female	
3800.90MF250	122	280	250	137	90	90	CLICKWELD Male	CLICKWELD Female	
3800.110MF250	144	285	250	162	110	110	CLICKWELD Male	CLICKWELD Female	
3800.125MF250	161	289	250	179	125	125	CLICKWELD Male	CLICKWELD Female	
3800.160MF250	196	289	250	212	160	160	CLICKWELD Male	CLICKWELD Female	

500mm PIPE CODE	WIDTH		LENGTH		HEIGHT H mm	CONNECTION TYPES			
	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	PRIMARY DN D1 mm		SECONDARY DN D2 mm	PRIMARY	SECONDARY	
3800.32EE500	32	500	500	32	32	32	Electrofusion	Electrofusion	
3800.40EE500	40	500	500	40	40	40	Electrofusion	Electrofusion	
3800.50MF500	78	523	500	84	50	50	CLICKWELD Male	CLICKWELD Female	
3800.63MF500	93	525	500	97	63	63	CLICKWELD Male	CLICKWELD Female	
3800.75MF500	107	528	500	119	75	75	CLICKWELD Male	CLICKWELD Female	
3800.90MF500	122	530	500	137	90	90	CLICKWELD Male	CLICKWELD Female	
3800.110MF500	144	535	500	162	110	110	CLICKWELD Male	CLICKWELD Female	
3800.125MF500	161	539	500	179	125	125	CLICKWELD Male	CLICKWELD Female	
3800.160MF500	196	539	500	212	160	160	CLICKWELD Male	CLICKWELD Female	

## Pipe Lengths - 1000mm & 1500mm

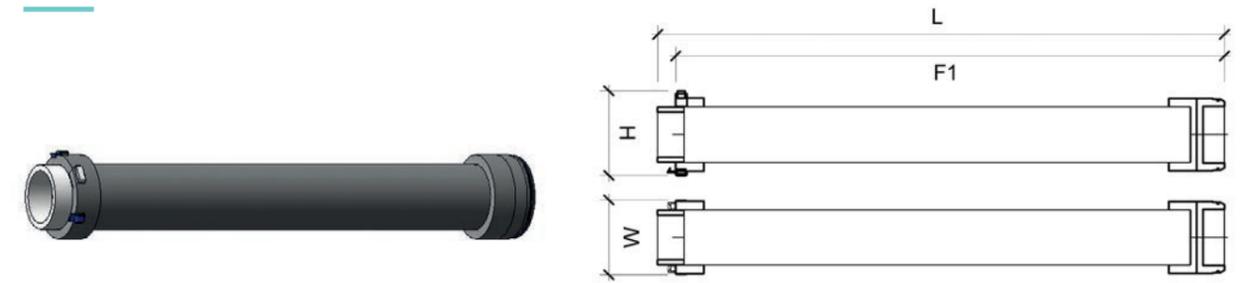


NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

1000mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.32EE1000	32	1000	1000	32	32	32	Electrofusion	Electrofusion
3800.40EE1000	40	1000	1000	40	40	40	Electrofusion	Electrofusion
3800.50MF1000	78	1023	1000	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF1000	93	1025	1000	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF1000	107	1028	1000	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF1000	122	1030	1000	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF1000	144	1035	1000	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF1000	161	1039	1000	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF1000	196	1039	1000	212	160	160	CLICKWELD Male	CLICKWELD Female

1500mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.32EE1500	32	1500	1500	32	32	32	Electrofusion	Electrofusion
3800.40EE1500	40	1500	1500	40	40	40	Electrofusion	Electrofusion
3800.50MF1500	78	1523	1500	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF1500	93	1525	1500	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF1500	107	1528	1500	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF1500	122	1530	1500	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF1500	144	1535	1500	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF1500	161	1539	1500	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF1500	196	1539	1500	212	160	160	CLICKWELD Male	CLICKWELD Female

## Pipe Lengths - 2000mm & 2500mm

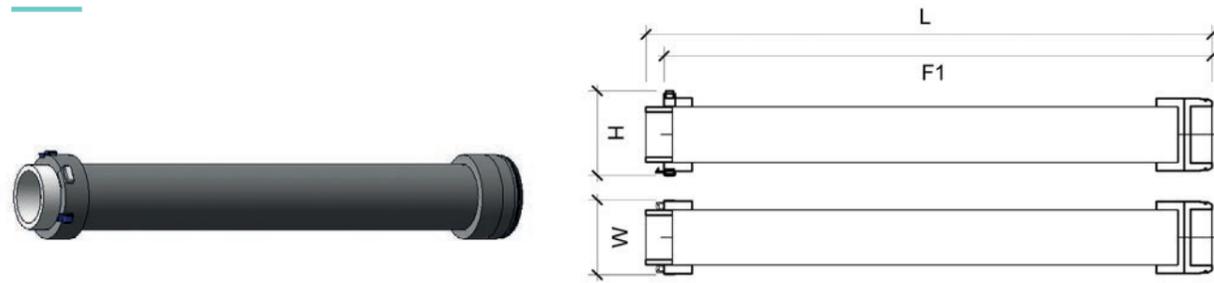


NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

2000mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.32EE2000	32	2000	2000	32	32	32	Electrofusion	Electrofusion
3800.40EE2000	40	2000	2000	40	40	40	Electrofusion	Electrofusion
3800.50MF2000	78	2023	2000	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF2000	93	2025	2000	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF2000	107	2028	2000	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF2000	122	2030	2000	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF2000	144	2035	2000	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF2000	161	2039	2000	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF2000	196	2039	2000	212	160	160	CLICKWELD Male	CLICKWELD Female

2500mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.32EE2500	32	2500	2500	32	32	32	Electrofusion	Electrofusion
3800.40EE2500	40	2500	2500	40	40	40	Electrofusion	Electrofusion
3800.50MF2500	78	2523	2500	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF2500	93	2525	2500	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF2500	107	2528	2500	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF2500	122	2530	2500	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF2500	144	2535	2500	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF2500	161	2539	2500	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF2500	196	2539	2500	212	160	160	CLICKWELD Male	CLICKWELD Female

## Pipe Lengths - 2800mm & 3000mm

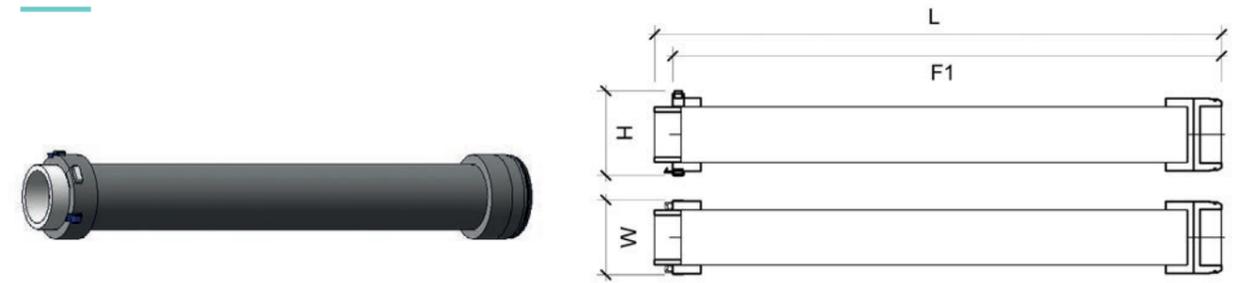


NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

2800mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.50MF2800	78	2823	2800	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF2800	93	2825	2800	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF2800	107	2828	2800	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF2800	122	2830	2800	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF2800	144	2835	2800	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF2800	161	2839	2800	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF2800	196	2839	2800	212	160	160	CLICKWELD Male	CLICKWELD Female

3000mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.32EE3000	32	3000	3000	32	32	32	Electrofusion	Electrofusion
3800.40EE3000	40	3000	3000	40	40	40	Electrofusion	Electrofusion
3800.50MF3000	78	3023	3000	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF3000	93	3025	3000	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF3000	107	3028	3000	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF3000	122	3030	3000	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF3000	144	3035	3000	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF3000	161	3039	3000	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF3000	196	3039	3000	212	160	160	CLICKWELD Male	CLICKWELD Female

## Pipe Lengths - 3200mm & 3400mm

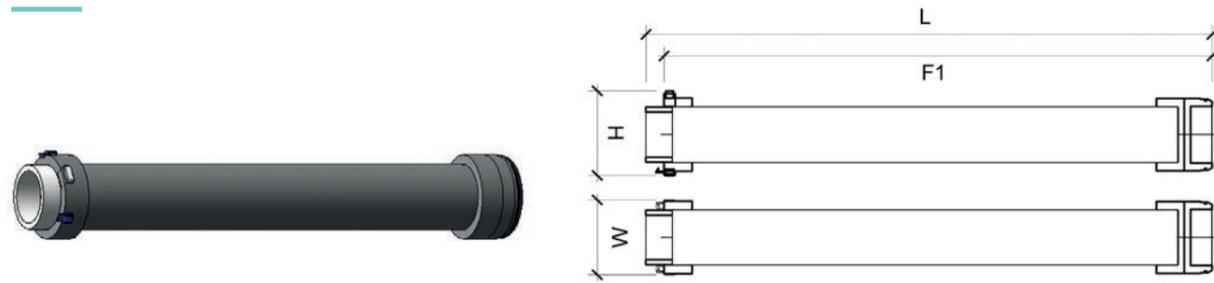


NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

3200mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.50MF3200	78	3223	3200	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF3200	93	3225	3200	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF3200	107	3228	3200	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF3200	122	3230	3200	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF3200	144	3235	3200	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF3200	161	3239	3200	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF3200	196	3239	3200	212	160	160	CLICKWELD Male	CLICKWELD Female

3400mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.50MF3400	78	3423	3400	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF3400	93	3425	3400	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF3400	107	3428	3400	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF3400	122	3430	3400	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF3400	144	3435	3400	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF3400	161	3439	3400	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF3400	196	3439	3400	212	160	160	CLICKWELD Male	CLICKWELD Female

## Pipe Lengths - 3500mm & 3600mm

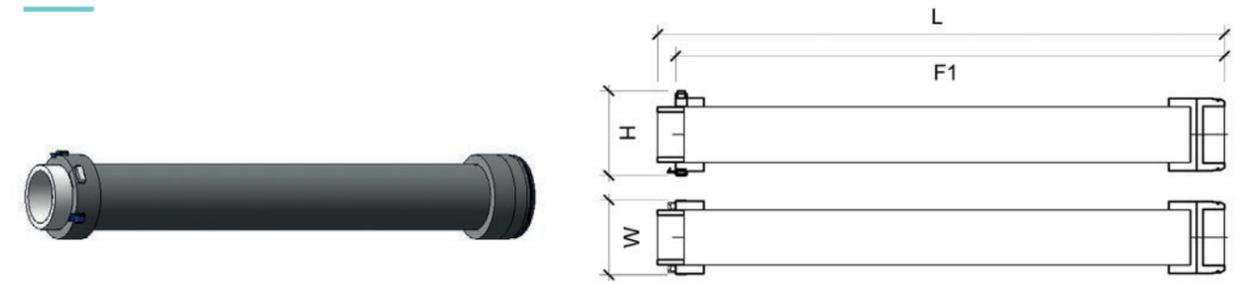


NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

3500mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.32EE3500	32	3500	3500	32	32	32	Electrofusion	Electrofusion
3800.40EE3500	40	3500	3500	40	40	40	Electrofusion	Electrofusion
3800.50MF3500	78	3523	3500	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF3500	93	3525	3500	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF3500	107	3528	3500	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF3500	122	3530	3500	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF3500	144	3535	3500	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF3500	161	3539	3500	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF3500	196	3539	3500	212	160	160	CLICKWELD Male	CLICKWELD Female

3600mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.50MF3600	78	3623	3600	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF3600	93	3625	3600	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF3600	107	3628	3600	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF3600	122	3630	3600	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF3600	144	3635	3600	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF3600	161	3639	3600	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF3600	196	3639	3600	212	160	160	CLICKWELD Male	CLICKWELD Female

## Pipe Lengths - 3800mm & 4000mm



NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

3800mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.50MF3800	78	3823	3800	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF3800	93	3825	3800	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF3800	107	3828	3800	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF3800	122	3830	3800	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF3800	144	3835	3800	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF3800	161	3839	3800	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF3800	196	3839	3800	212	160	160	CLICKWELD Male	CLICKWELD Female

4000mm PIPE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3800.32EE4000	32	4000	4000	32	32	32	Electrofusion	Electrofusion
3800.40EE4000	40	4000	4000	40	40	40	Electrofusion	Electrofusion
3800.50MF4000	78	4023	4000	84	50	50	CLICKWELD Male	CLICKWELD Female
3800.63MF4000	93	4025	4000	97	63	63	CLICKWELD Male	CLICKWELD Female
3800.75MF4000	107	4028	4000	119	75	75	CLICKWELD Male	CLICKWELD Female
3800.90MF4000	122	4030	4000	137	90	90	CLICKWELD Male	CLICKWELD Female
3800.110MF4000	144	4035	4000	162	110	110	CLICKWELD Male	CLICKWELD Female
3800.125MF4000	161	4039	4000	179	125	125	CLICKWELD Male	CLICKWELD Female
3800.160MF4000	196	4039	4000	212	160	160	CLICKWELD Male	CLICKWELD Female

## Reducer - CLICKWELD female to CLICKWELD female

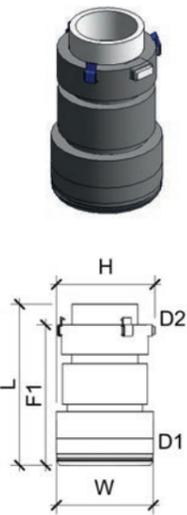
NOTE: anything below 50mm diameter cannot be CLICKWELD connected.



REDUCER CODE	WIDTH W mm	LENGTH		HEIGHT H mm	CONNECTION TYPES			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm		PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3809.63F50F	83	177	177	83	63	50	CLICKWELD Female	CLICKWELD Female
3809.75F50F	99	178	178	99	75	50	CLICKWELD Female	CLICKWELD Female
3809.75F63F	99	188	188	99	75	63	CLICKWELD Female	CLICKWELD Female
3809.90F63F	118	208	208	118	90	63	CLICKWELD Female	CLICKWELD Female
3809.90F75F	118	220	220	118	90	75	CLICKWELD Female	CLICKWELD Female
3809.110F75F	144	219	219	144	110	75	CLICKWELD Female	CLICKWELD Female
3809.110F90F	144	259	259	144	110	90	CLICKWELD Female	CLICKWELD Female
3809.125F110F	162	288	288	162	125	110	CLICKWELD Female	CLICKWELD Female

## Reducer - CLICKWELD female to male

NOTE: anything below 50mm diameter cannot be CLICKWELD connected.



REDUCER CODE	WIDTH W mm	LENGTH		HEIGHT H mm	CONNECTION TYPES			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm		PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3809.63F50M	83	181	158	93	63	50	CLICKWELD Female	CLICKWELD Male
3809.75F50M	99	181	159	99	75	50	CLICKWELD Female	CLICKWELD Male
3809.75F63M	99	190	165	107	75	63	CLICKWELD Female	CLICKWELD Male
3809.90F63M	118	220	185	118	90	63	CLICKWELD Female	CLICKWELD Male
3809.90F75M	118	224	196	120	90	75	CLICKWELD Female	CLICKWELD Male
3809.110F63M	144	220	195	144	110	63	CLICKWELD Female	CLICKWELD Male
3809.110F75M	144	231	203	144	110	75	CLICKWELD Female	CLICKWELD Male
3809.110F90M	144	254	214	144	110	90	CLICKWELD Female	CLICKWELD Male
3809.125F110M	162	274	239	164	125	110	CLICKWELD Female	CLICKWELD Male

## Reducer - CLICKWELD female to spigot

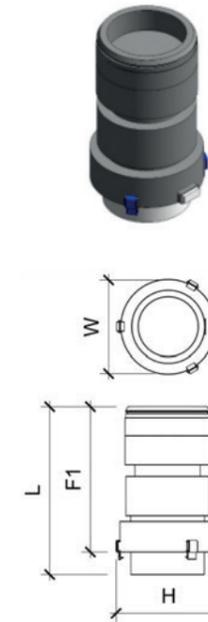
NOTE: anything below 50mm diameter cannot be CLICKWELD connected.



REDUCER CODE	WIDTH W mm	LENGTH		HEIGHT H mm	CONNECTION TYPES			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm		PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3809.50F32S	66	174	174	66	50	32	CLICKWELD Female	Spigot
3809.50F40S	66	182	182	66	50	40	CLICKWELD Female	Spigot
3809.63F32S	83	204	204	83	63	32	CLICKWELD Female	Spigot
3809.63F40S	83	204	204	83	63	40	CLICKWELD Female	Spigot
3809.75F32S	99	205	205	99	75	32	CLICKWELD Female	Spigot
3809.75F40S	99	205	205	99	75	40	CLICKWELD Female	Spigot

## Reducer - CLICKWELD male to CLICKWELD female

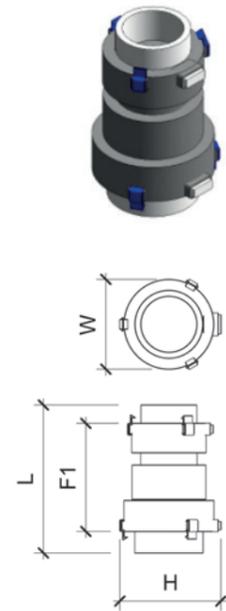
NOTE: anything below 50mm diameter cannot be CLICKWELD connected.



REDUCER CODE	WIDTH W mm	LENGTH		HEIGHT H mm	CONNECTION TYPES			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm		PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3809.63M50F	93	175	150	97	63	50	CLICKWELD Male	CLICKWELD Female
3809.75M50F	107	179	151	119	75	50	CLICKWELD Male	CLICKWELD Female
3809.75M63F	107	189	161	119	75	63	CLICKWELD Male	CLICKWELD Female
3809.90M63F	122	196	167	137	90	63	CLICKWELD Male	CLICKWELD Female
3809.90M75F	122	209	179	137	90	75	CLICKWELD Male	CLICKWELD Female
3809.110M63F	144	204	169	162	110	63	CLICKWELD Male	CLICKWELD Female
3809.110M75F	144	213	178	162	110	75	CLICKWELD Male	CLICKWELD Female
3809.110M90F	144	252	218	162	110	90	CLICKWELD Male	CLICKWELD Female
3809.125M110F	161	286	247	178	125	110	CLICKWELD Male	CLICKWELD Female

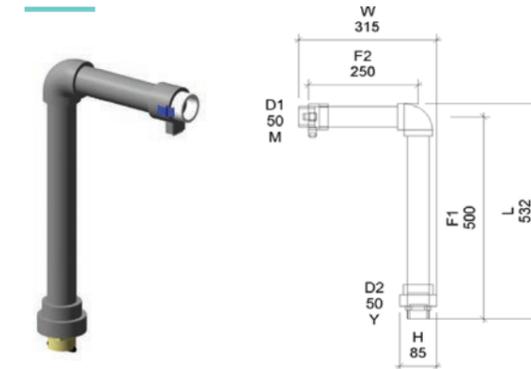
### Reducer - CLICKWELD male to CLICKWELD male

NOTE: anything below 50mm diameter cannot be CLICKWELD connected.



REDUCER	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3809.63M50M	93	189	141	97	63	50	CLICKWELD Male	CLICKWELD Male
3809.75M50M	107	193	142	119	75	50	CLICKWELD Male	CLICKWELD Male
3809.75M63M	107	201	148	119	75	63	CLICKWELD Male	CLICKWELD Male
3809.90M63M	122	209	154	137	90	63	CLICKWELD Male	CLICKWELD Male
3809.90M75M	122	213	155	137	90	75	CLICKWELD Male	CLICKWELD Male
3809.110M63M	144	216	156	162	110	63	CLICKWELD Male	CLICKWELD Male
3809.110M75M	144	227	164	162	110	75	CLICKWELD Male	CLICKWELD Male
3809.110M90M	144	237	173	162	110	90	CLICKWELD Male	CLICKWELD Male
3809.125M110M	161	271	198	178	125	110	CLICKWELD Male	CLICKWELD Male

### Manifold Bend - 90° bend CLICKWELD to BSPM

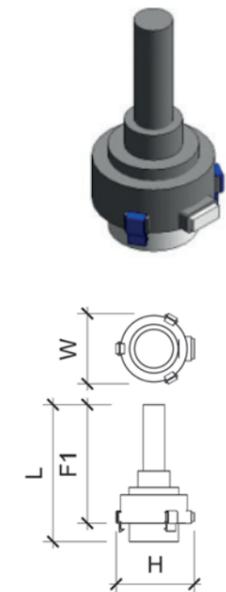


NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

BENDS	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES				
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3801.50MY.MAN	315	532	500	250	85	50	50	CLICKWELD Male	Threaded Male

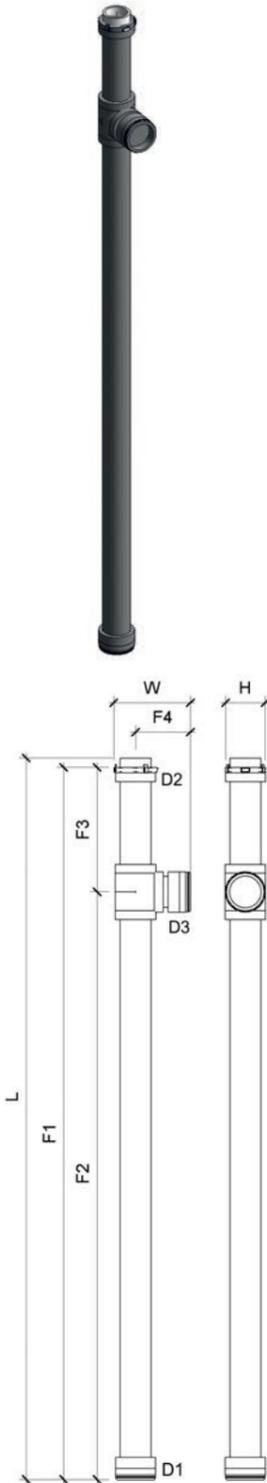
### Reducer - CLICKWELD male to spigot reducer

NOTE: anything below 50mm diameter cannot be CLICKWELD connected.



REDUCER	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	PRIMARY	SECONDARY
3809.50M32S	78	178	155	84	50	32	CLICKWELD Male	Spigot
3809.50M40S	78	185	163	84	50	40	CLICKWELD Male	Spigot
3809.63M32S	93	204	179	97	63	32	CLICKWELD Male	Spigot
3809.63M40S	93	204	179	97	63	40	CLICKWELD Male	Spigot
3809.75M32S	107	208	180	119	75	32	CLICKWELD Male	Spigot
3809.75M40S	107	208	180	119	75	40	CLICKWELD Male	Spigot

## Riser Tee High Level - equal branch 2800 & 3200



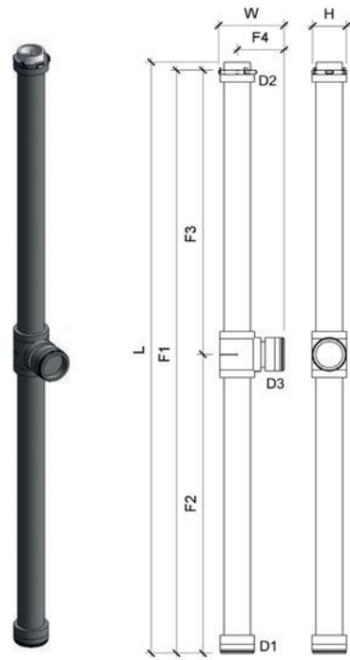
RISER TEE EQUAL 2800	WIDTH		LENGTH			
	CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	FITTED LENGTH F3 mm
3820.50F50M50F28	155	2823	2800	2300	500	122
3820.63F63M63F28	187	2825	2800	2300	500	144
3820.75F75M75F28	214	2828	2800	2300	500	157
3820.90F90M90F28	259	2830	2800	2300	500	193
3820.110F110M110F28	298	2835	2800	2300	500	219
3820.125F125M125F28	308	2839	2800	2300	500	221
3820.160F160M160F28	404	2839	2800	2300	500	301

HEIGHT	CONNECTION TYPES					
	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY
66	50	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
85	63	63	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

RISER TEE EQUAL 3200	WIDTH		LENGTH			
	CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	FITTED LENGTH F3 mm
3820.50F50M50F32	155	3223	3200	2700	500	122
3820.63F63M63F32	187	3225	3200	2700	500	144
3820.75F75M75F32	214	3228	3200	2700	500	157
3820.90F90M90F32	259	3230	3200	2700	500	193
3820.110F110M110F32	298	3235	3200	2700	500	219
3820.125F125M125F32	308	3239	3200	2700	500	221
3820.160F160M160F32	404	3239	3200	2700	500	301

HEIGHT	CONNECTION TYPES					
	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY
66	50	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
85	63	63	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

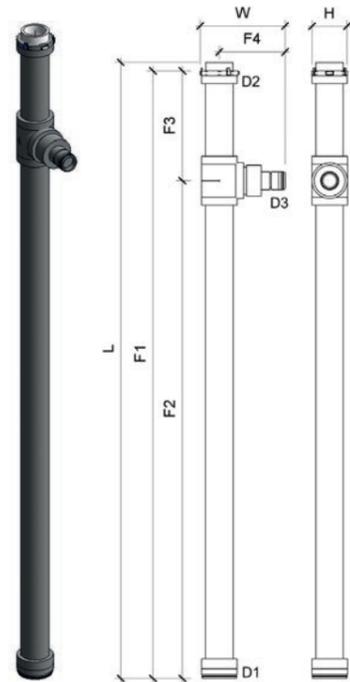
## Riser Tee High Level - equal branch 3800



RISER TEE EQUAL 3800	WIDTH	LENGTH			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	FITTED LENGTH F3 mm
3820.50F50M50F38	155	3823	3800	3300	500
3820.63F63M63F38	187	3825	3800	3300	500
3820.75F75M75F38	214	3828	3800	3300	500
3820.90F90M90F38	259	3830	3800	3300	500
3820.110F110M110F38	298	3835	3800	3300	500
3820.125F125M125F38	308	3839	3800	3300	500
3820.160F160M160F38	404	3839	3800	3300	500

	HEIGHT	CONNECTION TYPES					
FITTED LENGTH F4 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY	BRANCH
122	66	50	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	85	63	63	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
157	107	75	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
193	122	90	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
219	144	110	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
221	161	125	125	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
301	205	160	160	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

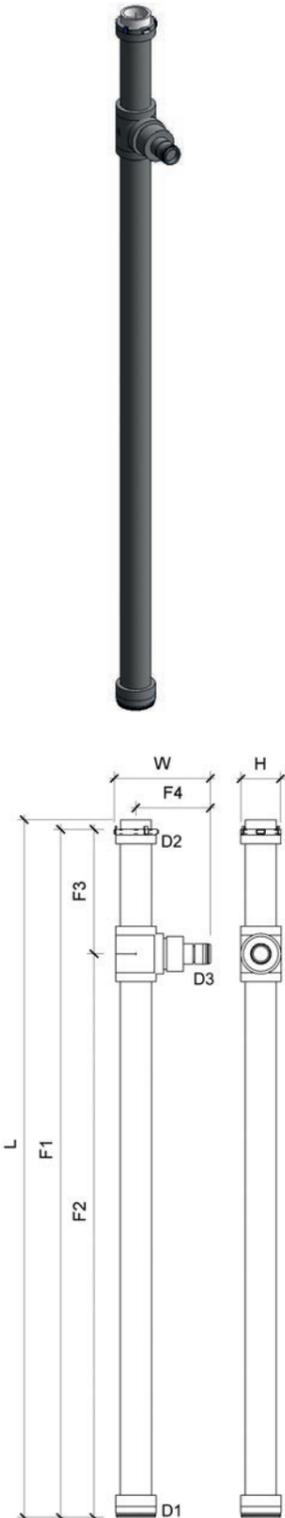
## Riser Tee High Level - reducing branch 2800



RISER TEE REDUCING 2800	WIDTH	LENGTH			
CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	FITTED LENGTH F3 mm
3820.63F63M50F28	216	2825	2800	2300	500
3820.75F75M50F28	236	2828	2800	2300	500
3820.75F75M63F28	247	2828	2800	2300	500
3820.90F90M50F28	294	2830	2800	2300	500
3820.90F90M63F28	261	2830	2800	2300	500
3820.90F90M75F28	284	2830	2800	2300	500
3820.110F110M50F28	335	2835	2800	2300	500
3820.110F110M63F28	299	2835	2800	2300	500
3820.110F110M75F28	308	2835	2800	2300	500
3820.110F110M90F28	360	2835	2800	2300	500
3820.125F125M50F28	414	2839	2800	2300	500
3820.125F125M63F28	387	2839	2800	2300	500
3820.125F125M75F28	396	2839	2800	2300	500
3820.125F125M90F28	435	2839	2800	2300	500
3820.125F125M110F28	390	2839	2800	2300	500
3820.160F160M50F28	487	2839	2800	2300	500
3820.160F160M63F28	458	2839	2800	2300	500
3820.160F160M75F28	467	2839	2800	2300	500
3820.160F160M90F28	506	2839	2800	2300	500
3820.160F160M110F28	459	2839	2800	2300	500

	HEIGHT	CONNECTION TYPES					
FITTED LENGTH F4 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY	BRANCH
174	85	63	63	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
179	107	75	75	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
190	107	75	75	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
228	122	90	90	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
195	122	90	90	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
218	122	90	90	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
256	144	110	110	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
220	144	110	110	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
229	144	110	110	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
281	144	110	110	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
327	161	125	125	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
300	161	125	125	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
309	161	125	125	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
348	161	125	125	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
303	161	125	125	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
385	205	160	160	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
355	205	160	160	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
364	205	160	160	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
404	205	160	160	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
356	205	160	160	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

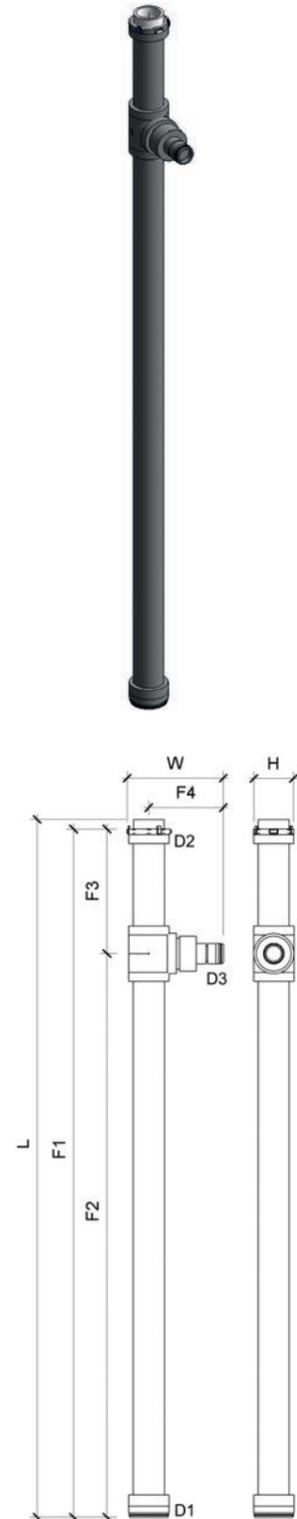
## Riser Tee High Level - reducing branch 3200



RISER TEE REDUCING 3200	WIDTH	LENGTH				
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	FITTED LENGTH F3 mm	FITTED LENGTH F4 mm
3820.63F63M50F32	216	3225	3200	2700	500	174
3820.75F75M50F32	236	3228	3200	2700	500	179
3820.75F75M63F32	247	3228	3200	2700	500	190
3820.90F90M50F32	294	3230	3200	2700	500	228
3820.90F90M63F32	261	3230	3200	2700	500	195
3820.90F90M75F32	284	3230	3200	2700	500	218
3820.110F110M50F32	335	3235	3200	2700	500	256
3820.110F110M63F32	299	3235	3200	2700	500	220
3820.110F110M75F32	308	3235	3200	2700	500	229
3820.110F110M90F32	360	3235	3200	2700	500	281
3820.125F125M50F32	414	3239	3200	2700	500	327
3820.125F125M63F32	387	3239	3200	2700	500	300
3820.125F125M75F32	396	3239	3200	2700	500	309
3820.125F125M90F32	435	3239	3200	2700	500	348
3820.125F125M110F32	390	3239	3200	2700	500	303
3820.160F160M50F32	487	3239	3200	2700	500	385
3820.160F160M63F32	458	3239	3200	2700	500	355
3820.160F160M75F32	467	3239	3200	2700	500	364
3820.160F160M90F32	506	3239	3200	2700	500	404
3820.160F160M110F32	459	3239	3200	2700	500	356

HEIGHT	CONNECTION TYPES					
	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY
85	63	63	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

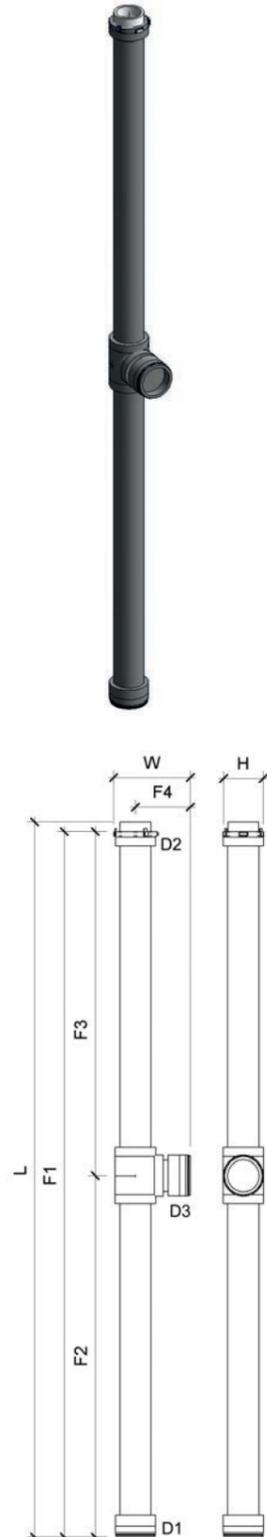
## Riser Tee High Level - reducing branch 3800



RISER TEE REDUCING 3800	WIDTH	LENGTH				
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	FITTED LENGTH F3 mm	FITTED LENGTH F4 mm
3820.63F63M50F38	216	3825	3800	3300	500	174
3820.75F75M50F38	236	3828	3800	3300	500	179
3820.75F75M63F38	247	3828	3800	3300	500	190
3820.90F90M50F38	294	3830	3800	3300	500	228
3820.90F90M63F38	261	3830	3800	3300	500	195
3820.90F90M75F38	284	3830	3800	3300	500	218
3820.110F110M50F38	335	3835	3800	3300	500	256
3820.110F110M63F38	299	3835	3800	3300	500	220
3820.110F110M75F38	308	3835	3800	3300	500	229
3820.110F110M90F38	360	3835	3800	3300	500	281
3820.125F125M50F38	414	3839	3800	3300	500	327
3820.125F125M63F38	387	3839	3800	3300	500	300
3820.125F125M75F38	396	3839	3800	3300	500	309
3820.125F125M90F38	435	3839	3800	3300	500	348
3820.125F125M110F38	390	3839	3800	3300	500	303
3820.160F160M50F38	487	3839	3800	3300	500	385
3820.160F160M63F38	458	3839	3800	3300	500	355
3820.160F160M75F38	467	3839	3800	3300	500	364
3820.160F160M90F38	506	3839	3800	3300	500	404
3820.160F160M110F38	459	3839	3800	3300	500	356

HEIGHT	CONNECTION TYPES					
	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY	BRANCH
85	63	63	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

## Riser Tee Mid Level - equal branch 2800 & 3200



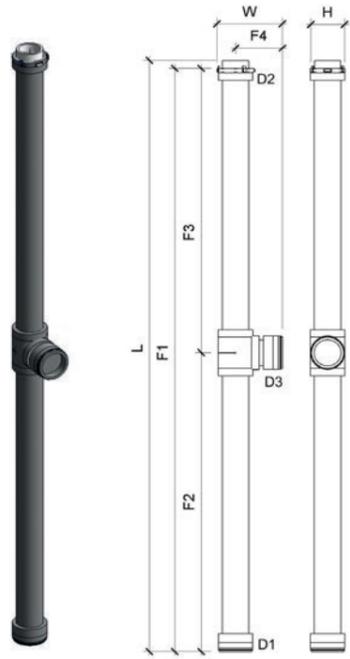
RISER TEE MID 2800	WIDTH	LENGTH				
		CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm
3823.50F50M50F28	155	2823	2800	1400	1400	122
3823.63F63M63F28	187	2825	2800	1400	1400	144
3823.75F75M75F28	214	2828	2800	1400	1400	157
3823.90F90M90F28	259	2830	2800	1400	1400	193
3823.110F110M110F28	298	2835	2800	1400	1400	219
3823.125F125M125F28	308	2839	2800	1400	1400	221
3823.160F160M160F28	404	2839	2800	1400	1400	301

RISER TEE MID 3200	WIDTH	LENGTH				
		CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm
3823.50F50M50F32	155	3223	3200	1600	1600	122
3823.63F63M63F32	187	3225	3200	1600	1600	144
3823.75F75M75F32	214	3228	3200	1600	1600	157
3823.90F90M90F32	259	3230	3200	1600	1600	193
3823.110F110M110F32	298	3235	3200	1600	1600	219
3823.125F125M125F32	308	3239	3200	1600	1600	221
3823.160F160M160F32	404	3239	3200	1600	1600	301

HEIGHT	CONNECTION TYPES					
	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY
66	50	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
85	63	63	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

HEIGHT	CONNECTION TYPES					
	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY
66	50	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
85	63	63	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

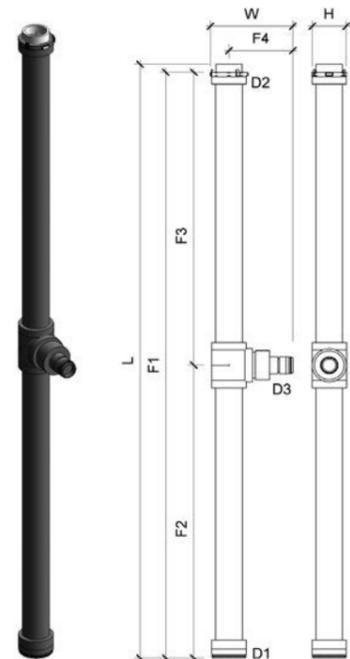
## Riser Tee Mid Level - equal branch 3800



RISER TEE MID 3800	WIDTH	LENGTH			
		CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm
3823.50F50M50F38	155	3823	3800	1900	1900
3823.63F63M63F38	187	3825	3800	1900	1900
3823.75F75M75F38	214	3828	3800	1900	1900
3823.90F90M90F38	259	3830	3800	1900	1900
3823.110F110M110F38	298	3835	3800	1900	1900
3823.125F125M125F38	308	3839	3800	1900	1900
3823.160F160M160F38	404	3839	3800	1900	1900

FITTED LENGTH F4 mm	HEIGHT H mm	CONNECTION TYPES					
		PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY	BRANCH
122	66	50	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	85	63	63	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
157	107	75	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
193	122	90	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
219	144	110	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
221	161	125	125	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
301	205	160	160	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

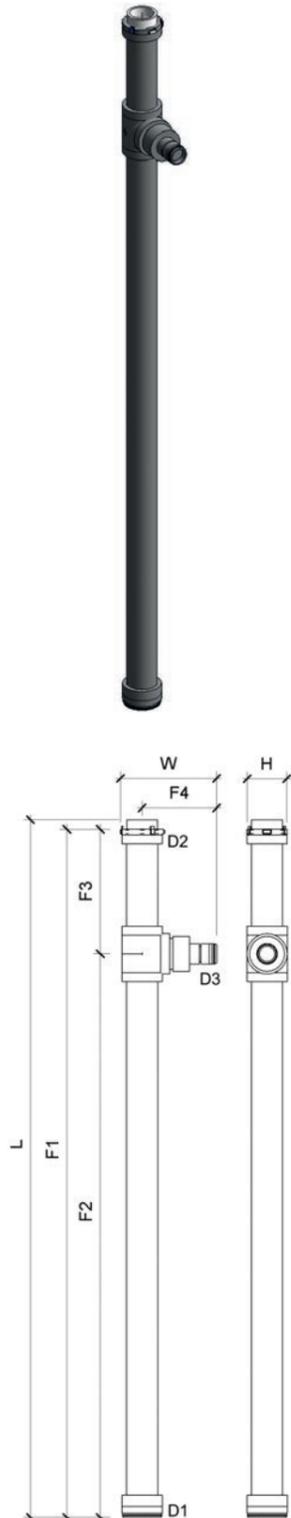
## Riser Tee Mid Level - reducing branch 2800



RISER TEE REDUCING 2800	WIDTH	LENGTH			
		CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm
3823.63F63M50F28	216	2825	2800	1400	1400
3823.75F75M50F28	236	2828	2800	1400	1400
3823.75F75M63F28	247	2828	2800	1400	1400
3823.90F90M50F28	294	2830	2800	1400	1400
3823.90F90M63F28	261	2830	2800	1400	1400
3823.90F90M75F28	284	2830	2800	1400	1400
3823.110F110M50F28	335	2835	2800	1400	1400
3823.110F110M63F28	299	2835	2800	1400	1400
3823.110F110M75F28	308	2835	2800	1400	1400
3823.110F110M90F28	360	2835	2800	1400	1400
3823.125F125M50F28	414	2839	2800	1400	1400
3823.125F125M63F28	387	2839	2800	1400	1400
3823.125F125M75F28	396	2839	2800	1400	1400
3823.125F125M90F28	435	2839	2800	1400	1400
3823.125F125M110F28	390	2839	2800	1400	1400
3823.160F160M50F28	487	2839	2800	1400	1400
3823.160F160M63F28	458	2839	2800	1400	1400
3823.160F160M75F28	467	2839	2800	1400	1400
3823.160F160M90F28	506	2839	2800	1400	1400
3823.160F160M110F28	459	2839	2800	1400	1400

FITTED LENGTH F4 mm	HEIGHT H mm	CONNECTION TYPES					
		PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY	BRANCH
174	85	63	63	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
179	107	75	75	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
190	107	75	75	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
228	122	90	90	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
195	122	90	90	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
218	122	90	90	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
256	144	110	110	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
220	144	110	110	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
229	144	110	110	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
281	144	110	110	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
327	161	125	125	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
300	161	125	125	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
309	161	125	125	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
348	161	125	125	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
303	161	125	125	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
385	205	160	160	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
355	205	160	160	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
364	205	160	160	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
404	205	160	160	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
356	205	160	160	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

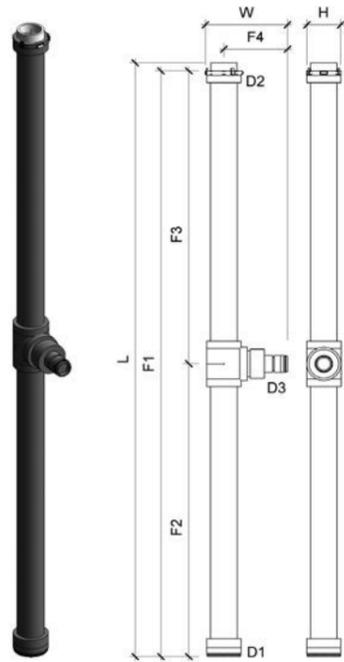
## Riser Tee Mid Level - reducing branch 3200



RISER TEE REDUCING 3200	WIDTH	LENGTH				
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	FITTED LENGTH F3 mm	FITTED LENGTH F4 mm
3823.63F63M50F32	216	3225	3200	1600	1600	174
3823.75F75M50F32	236	3228	3200	1600	1600	179
3823.75F75M63F32	247	3228	3200	1600	1600	190
3823.90F90M50F32	294	3230	3200	1600	1600	228
3823.90F90M63F32	261	3230	3200	1600	1600	195
3823.90F90M75F32	284	3230	3200	1600	1600	218
3823.110F110M50F32	335	3235	3200	1600	1600	256
3823.110F110M63F32	299	3235	3200	1600	1600	220
3823.110F110M75F32	308	3235	3200	1600	1600	229
3823.110F110M90F32	360	3235	3200	1600	1600	281
3823.125F125M50F32	414	3239	3200	1600	1600	327
3823.125F125M63F32	387	3239	3200	1600	1600	300
3823.125F125M75F32	396	3239	3200	1600	1600	309
3823.125F125M90F32	435	3289	3200	1600	1600	348
3823.125F125M110F32	390	3239	3200	1600	1600	303
3823.160F160M50F32	487	3239	3200	1600	1600	385
3823.160F160M63F32	458	3239	3200	1600	1600	355
3823.160F160M75F32	467	3239	3200	1600	1600	364
3823.160F160M90F32	506	3239	3200	1600	1600	404
3823.160F160M110F32	459	3239	3200	1600	1600	356

HEIGHT	CONNECTION TYPES					
	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY	BRANCH
85	63	63	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
107	75	75	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
122	90	90	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	110	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
161	125	125	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
205	160	160	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

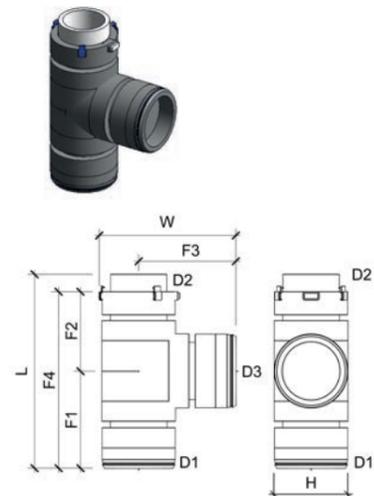
## Riser Tee Mid Level - reducing branch 3800



RISER TEE REDUCING 3800	WIDTH	LENGTH			
		CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm
3823.63F63M50F38	216	3825	3800	1900	1900
3823.75F75M50F38	236	3828	3800	1900	1900
3823.75F75M63F38	247	3828	3800	1900	1900
3823.90F90M50F38	294	3830	3800	1900	1900
3823.90F90M63F38	261	3830	3800	1900	1900
3823.90F90M75F38	284	3830	3800	1900	1900
3823.110F110M50F38	335	3835	3800	1900	1900
3823.110F110M63F38	299	3835	3800	1900	1900
3823.110F110M75F38	308	3835	3800	1900	1900
3823.110F110M90F38	360	3835	3800	1900	1900
3823.125F125M50F38	414	3839	3800	1900	1900
3823.125F125M63F38	387	3839	3800	1900	1900
3823.125F125M75F38	396	3839	3800	1900	1900
3823.125F125M90F38	435	3839	3800	1900	1900
3823.125F125M110F38	390	3839	3800	1900	1900
3823.160F160M50F38	487	3839	3800	1900	1900
3823.160F160M63F38	458	3839	3800	1900	1900
3823.160F160M75F38	467	3839	3800	1900	1900
3823.160F160M90F38	506	3839	3800	1900	1900
3823.160F160M110F38	459	3839	3800	1900	1900

	HEIGHT	CONNECTION TYPES					
		FITTED LENGTH F4 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY
174	85	63	63	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
179	107	75	75	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
190	107	75	75	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
228	122	90	90	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
195	122	90	90	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
218	122	90	90	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
256	144	110	110	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
220	144	110	110	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
229	144	110	110	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
281	144	110	110	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
327	161	125	125	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
300	161	125	125	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
309	161	125	125	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
348	161	125	125	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
303	161	125	125	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
385	205	160	160	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
355	205	160	160	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
364	205	160	160	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
404	205	160	160	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
356	205	160	160	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

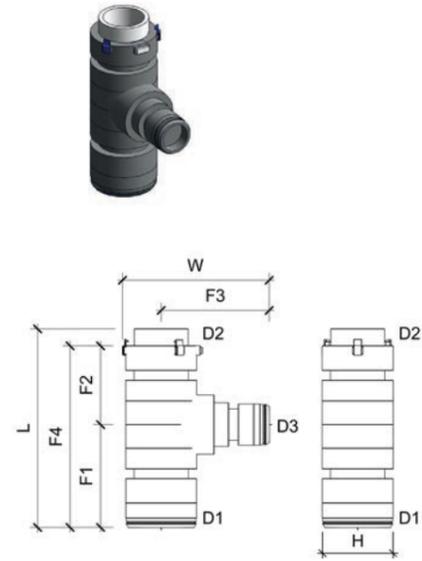
## Equal Tee



EQUAL TEE	WIDTH	LENGTH			
		CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm
3814.50F50M50F	155	249	122	104	122
3814.63F63M63F	187	293	145	123	144
3814.75F75M75F	259	318	157	133	157
3814.90F90M90F	298	371	193	148	193
3814.110F110M110F	308	424	219	170	219
3814.125F125M125F	404	442	221	182	221
3814.160F160M160F	404	603	301	263	301

	HEIGHT	CONNECTION TYPES					
		FITTED LENGTH F4 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY
226	78	50	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
268	93	63	63	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
290	107	75	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
341	123	90	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
389	144	110	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
403	163	125	125	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
564	206	160	160	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

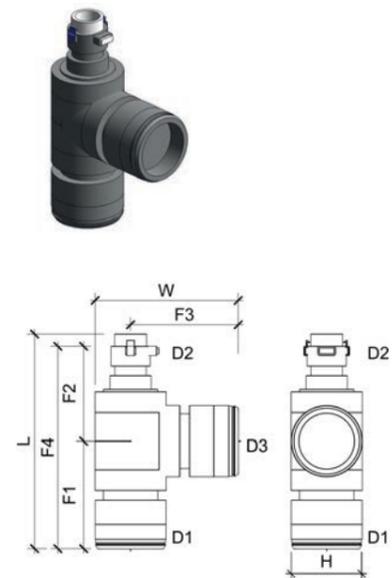
## Reducing Branch Tee



REDUCING BRANCH TEE	WIDTH	LENGTH			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	FITTED LENGTH F3 mm
3814.63F63M50F	217	283	137	121	174
3814.75F75M50F	231	301	146	127	180
3814.75F75M63F	248	310	153	129	190
3814.90F90M50F	294	362	188	144	228
3814.90F90M63F	261	362	188	144	195
3814.90F90M75F	285	362	188	144	218
3814.110F110M50F	335	408	209	164	256
3814.110F110M63F	299	408	209	164	220
3814.110F110M75F	308	408	209	164	229
3814.110F110M90F	347	408	209	164	269
3814.125F110M125F	404	509	221	253	221
3814.125F125M50F	414	442	221	182	327
3814.125F125M63F	387	442	221	182	300
3814.125F125M75F	396	442	221	182	309
3814.125F125M90F	436	442	221	182	349
3814.125F125M110F	390	442	221	182	303
3814.160F160M50F	485	603	301	263	382
3814.160F160M63F	458	603	301	263	355
3814.160F160M75F	467	657	301	263	364
3814.160F160M90F	506	657	301	263	404
3814.160F160M110F	459	657	301	263	356

FITTED LENGTH F4 mm	HEIGHT H mm	CONNECTION TYPES					
		PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY	BRANCH
251	93	63	63	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
268	107	75	75	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
282	107	75	75	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
332	123	90	90	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
332	123	90	90	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
332	123	90	90	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
369	144	110	110	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
369	144	110	110	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
369	144	110	110	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
369	347	144	110	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
474	163	125	125	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
403	163	110	125	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
403	163	125	125	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
403	163	125	125	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
403	163	125	125	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
403	163	125	125	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
564	206	125	160	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
564	206	160	160	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
564	206	160	160	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
564	206	160	160	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
564	206	160	160	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

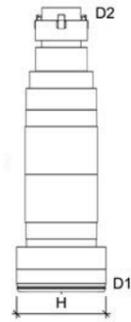
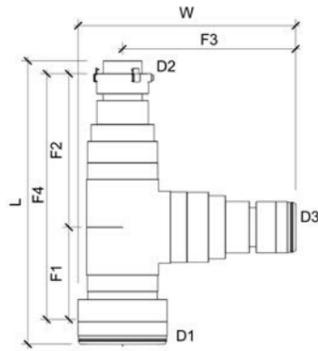
## Reducing Top Tee



REDUCING TOP TEE	WIDTH	LENGTH			
		TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm	FITTED LENGTH F3 mm
3814.63F50M63F	187	329	145	154	144
3814.75F50M75F	214	338	145	123	157
3814.75F63M75F	208	347	157	158	157
3814.90F50M90F	253	434	193	218	193
3814.90F63M90F	253	400	193	182	193
3814.90F75M90F	253	421	193	200	193
3814.110F63M110F	291	437	219	193	219
3814.110F75M110F	291	447	219	200	219
3814.110F90M110F	291	479	219	230	219
3814.125F75M125F	302	539	221	290	221
3814.125F90M125F	302	559	221	309	221
3814.125F110M125F	302	509	221	253	221
3814.160F50M160F	403	686	300	363	300
3814.160F63M160F	403	657	300	332	300
3814.160F75M160F	403	668	300	340	300
3814.160F90M160F	403	688	300	359	300
3814.160F110M160F	403	642	300	307	300

FITTED LENGTH F4 mm	HEIGHT H mm	CONNECTION TYPES					
		PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY	BRANCH
299	85	63	50	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
322	101	75	63	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
315	101	75	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
411	120	90	50	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
375	120	90	63	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
393	120	90	75	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
412	144	110	63	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
419	144	110	75	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
449	144	110	90	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
511	163	125	75	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
530	163	125	90	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
474	163	125	110	125	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
663	206	160	50	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
632	206	160	63	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
640	206	160	75	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
659	206	160	90	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
607	206	160	110	160	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

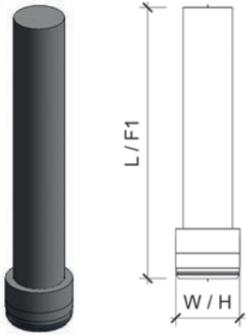
## Reducing Top and Branch Tee



REDUCING TOP & BRANCH TEE	WIDTH	LENGTH				
		CODE	TOTAL WIDTH W mm	TOTAL LENGTH L mm	FITTED LENGTH F1 mm	FITTED LENGTH F2 mm
3814.63F40S40S	235	329	137	192	192	329
3814.63F50M40S	235	325	137	165	192	302
3814.63F50M50F	217	325	137	165	174	302
3814.75F50M50F	231	340	146	171	180	317
3814.75F50M63F	241	347	153	171	190	324
3814.75F63M50F	231	353	153	175	180	328
3814.75F63M63F	241	353	153	175	190	328
3814.90F63M63F	255	404	188	191	195	379
3814.90F63M75F	278	404	188	191	218	379
3814.90F75M63F	255	402	188	186	195	374
3814.90F75M75F	278	402	188	186	218	374
3814.110F63M50F	323	442	209	208	251	417
3814.110F75M75F	302	449	209	212	230	421
3814.110F75M90F	343	449	209	212	271	421
3814.110F90M90F	343	470	209	231	271	440
3814.110F90M75F	302	470	209	231	230	440
3814.125F110M50F	410	509	221	253	329	474
3814.125F110M63F	381	509	221	253	300	474
3814.125F90M90F	429	559	221	309	348	530
3814.125F90M110F	384	571	221	320	303	541
3814.125F110M90F	429	520	221	264	348	485
3814.125F110M110F	384	509	221	253	303	474
3814.160F90M90F	506	688	300	359	404	659
3814.160F90M110F	459	688	300	359	356	659
3814.160F110M90F	506	642	300	307	404	607
3814.160F110M110F	459	642	300	307	356	607

HEIGHT	CONNECTION TYPES					
	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm	BRANCH DN D3 mm	PRIMARY	SECONDARY
85	63	40	40	CLICKWELD Female	Spigot	Spigot
85	63	50	40	CLICKWELD Female	CLICKWELD Male	Spigot
85	63	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
101	75	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
101	75	50	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
101	75	50	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
101	75	63	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
120	90	63	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
120	90	63	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
120	90	75	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
120	90	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	63	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	75	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	75	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
144	110	90	75	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
163	125	110	50	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
163	125	110	63	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
163	125	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
163	125	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
163	125	110	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
163	125	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
206	160	90	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
206	160	90	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
206	160	110	90	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female
206	160	110	110	CLICKWELD Female	CLICKWELD Male	CLICKWELD Female

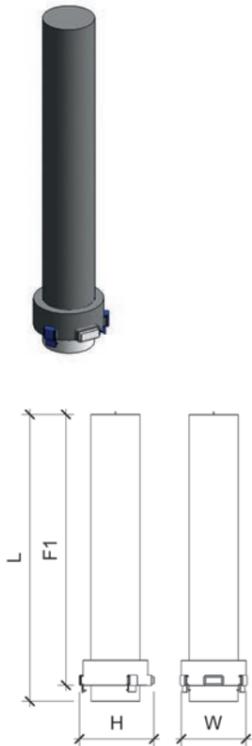
## X-Piece - Female



NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

X-PIECE FEMALE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm		FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm
3803.32EE500	49	500	503	63	32	32	Electrofusion	Electrofusion
3803.40EE500	58	500	503	73	40	40	Electrofusion	Electrofusion
3803.50EF500	66	500	500	66	50	50	Electrofusion	CLICKWELD Female
3803.63EF500	83	500	500	83	63	63	Electrofusion	CLICKWELD Female
3803.75EF500	99	500	500	99	75	75	Electrofusion	CLICKWELD Female
3803.90EF500	118	500	500	118	90	90	Electrofusion	CLICKWELD Female
3803.110EF500	144	500	500	144	110	110	Electrofusion	CLICKWELD Female
3803.125EF500	162	500	500	162	125	125	Electrofusion	CLICKWELD Female
3803.160EF500	205	500	500	205	160	160	Electrofusion	CLICKWELD Female

## X-Piece - Male



NOTE: anything below 50mm diameter cannot be CLICKWELD connected.

X-PIECE FEMALE	WIDTH	LENGTH		HEIGHT	CONNECTION TYPES			
		TOTAL WIDTH W mm	TOTAL LENGTH L mm		FITTED LENGTH F1 mm	HEIGHT H mm	PRIMARY DN D1 mm	SECONDARY DN D2 mm
3803.32EE500	49	500	503	63	32	32	Electrofusion	Electrofusion
3803.40EE500	58	500	503	73	40	40	Electrofusion	Electrofusion
3803.50EM500	78	523	500	85	50	50	Electrofusion	CLICKWELD Male
3803.63EM500	93	525	500	99	63	63	Electrofusion	CLICKWELD Male
3803.75EM500	101	528	500	119	75	75	Electrofusion	CLICKWELD Male
3803.90EM500	119	530	500	138	90	90	Electrofusion	CLICKWELD Male
3803.110EM500	144	535	500	163	110	110	Electrofusion	CLICKWELD Male
3803.125EM500	161	539	500	178	125	125	Electrofusion	CLICKWELD Male
3803.160EM500	196	539	500	212	160	160	Electrofusion	CLICKWELD Male

## Fire sleeves



FIRE SLEEVES	SIZE	PACK/BOX
CODE	mm	
1925.34	34 x 300	18
1925.42	42 x 300	12
1925.54	54 x 300	8
1925.67	67 x 300	16
1925.76	76 x 300	6
1925.102	102 x 300	12
1925.114	114 x 300	9
1925.127	127 x 300	6
1925.169	169 x 300	4

## Flange connector

DIA. mm	CLICKWELD AND BSP CONNECTIONS						STUB FLANGE			
	CLICKWELD FEMALE	CLICKWELD MALE	MALE BSP THREAD	FEMALE BSP THREAD	MALE BSP UNION	FEMALE BSP UNION	DRILLING/RATING	PCD mm	HOLE COUNT	BOLT SIZE
32	-	-	0.75"	0.75"	-	-	-	-	-	-
40	-	-	1.25"	1.25"	1.25"	1.25"	-	-	-	-
50	Y	Y	1.5"	1.5"	1.5"	1.5"	BS4504 NP10/16	110	4	M16 x 75
63	Y	Y	2"	2"	2"	-	BS4504 NP10/16	125	4	M16 x 80
75	Y	Y	2.5"	2.5"	-	-	BS4504 NP10/16	145	4	M16 x 85
90	Y	Y	3"	3"	3"	3"	BS4504 NP10/16	160	8	M16 x 90
110	Y	Y	4"	4"	-	-	BS4504 NP10/16	180	8	M16 x 95
125	Y	Y	-	-	-	-	BS4504 NP10/16	210	8	M16 x 110
160	Y	Y	-	-	-	-	BS4504 NP10/16	240	8	M20 x 120

# 7. Certification & Approvals

The MecFlow system is made to the manufacturing standards stated below. These standards set out the dimensional, physical and mechanical characteristics that each individual product shall conform to.

ISO 15874 Plastics piping systems for hot and cold water installations – Polypropylene (PP)

- Part 1 – General
- Part 2 – Pipes
- Part 3 – Fittings
- Part 5 – Fitness for purpose of the system
- Part 7 – Guidance for assessment of conformity

DIN 8077 Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT – Dimensions.

DIN 8078 Polypropylene (PP) pipes - PP-H, PP-B, PP-R, PP-RCT – General Quality Requirements & Testing.

NTC 4897-2 Systems of plastic pipes for hot and cold water – Polypropylene (PP).

RP 01.00 Common requirements for AENOR Certification of Plastic Products.

RP 01.78 Special regulations of the Certificate of Conformity AENOR for Piping Systems in random polypropylene with modified crystalline structure (PP-RCT) and fiberglass (FV) for hot and cold water installations inside the structure of the Buildings.

BS EN ISO 1043-1:2011+A1:2016 Plastics. Symbols and abbreviated terms. Basic polymers and their special characteristics.

ISO 9080:2003 Plastics piping and ducting systems – Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation.

BS EN ISO 7686:2005 Plastic pipes and fittings. Determination of opacity.



The MecFlow system is Cradle to Cradle Gold Certified®. This is a globally recognised measure of safer, more sustainable products made for the circular economy.



## WRAS CERTIFICATION

The MecFlow system has both WRAS material and WRAS product approval. For a copy of the certificates, please contact Polypipe Advantage team on 01622 795200 or email [mecflow@polypipe.com](mailto:mecflow@polypipe.com).

## FIRE COMPARTMENTALISATION

MecFlow has been 3rd Party tested with Polypipe Firetrap Sleeves (passive fire protection products) to achieve a 2-hour insulation and integrity compartment rating. Testing was performed at Exova, Warrington, and a test certificate can be requested through Polypipe Advantage team on 01622 795200 or email [mecflow@polypipe.com](mailto:mecflow@polypipe.com).

## FIRE CLASSIFICATION

The MecFlow system has been 3rd party tested to the standard stated below and achieved a classification of B-s1, d0. This is the highest classification that an organic material can obtain. The test was performed by AIFITI, Madrid, and a test certificate can be requested through Polypipe Advantage team on 01622 795200 or email [mecflow@polypipe.com](mailto:mecflow@polypipe.com).

BS EN 13501-1@2018 Fire classification of construction products and building elements. Classification using data from reaction to fire tests.

## TERMS AND CONDITIONS

For our Terms and Conditions please visit our website: [www.polypipe.com/trading-terms-conditions](http://www.polypipe.com/trading-terms-conditions)



WRAS 1907063 – MecFlow Pipe and Fittings



# 8. Support

As the industry moves forward, we're here right by its side. MecFlow, through our Polypipe Advantage service, is proof of our commitment to making things simple for our customers, an innovative plastic water supply system that's designed for the future.

Our website also provides useful information to keep you up to date with news and innovations as they happen, including how MecFlow can further enhance your project, whilst providing a streamlined, cost-effective, labour and time-saving alternative to traditional piping methods.

### CLICK. WELD. DONE.

The future of water supply starts here.

To find out more visit [polypipe.com/mecflow](http://polypipe.com/mecflow)

## Polypipe Building Services

Investing in our business and our people enables us to bring more expertise, more support and more innovation to our customers, helping them to create safe and sustainable commercial buildings, whether newbuild or refurbishment projects.

### BUILDING SERVICES SPECIALISM

Having made significant investment in expanding our portfolio to include not only our trusted and well-established Terrain drainage systems, but also MecFlow, our new water supply system, we're committed to working with our customers to provide the best building services solutions for their project. From schools, hospitals and tall buildings to shopping centres, local authorities and commercial and industrial developments, we provide drainage and water supply solutions that help our customers create safe and sustainable services within buildings.

### SERVICE AND SUPPORT

Recognising the challenges the construction industry faces, we continuously research and develop products and services that enable us to support our customers more – from working with Engineers to design the best solutions for complex projects to helping Contractors overcome labour shortage issues, a lack of on-site storage and on-site waste management. We develop services to support our customers so that together, we can achieve more.

### POLYPIPE ADVANTAGE SERVICE

The Polypipe Advantage service has been specially developed to complement our products and services offering. The Polypipe Advantage team is with you every step of your project, from initial design and project planning, through to manufacture and delivery. By creating fabricated Terrain drainage stacks and MecFlow Kits off-site, we're able to provide our customers quick and more efficient installations on-site. For more information on how the Polypipe Advantage service could benefit your next project, email: [buildingservices.technical@polypipe.com](mailto:buildingservices.technical@polypipe.com).

### SUPPORTING PRODUCTS AND LITERATURE

With both drainage and water supply systems in its portfolio, Polypipe Building Services has a number of solutions for your next project. More information on these systems can be found at:

[polypipe.com/commercial-building-services](http://polypipe.com/commercial-building-services)

### TAKING YOUR PROJECT FURTHER

As part of the Polypipe Group, we have a number of complementary water and climate management systems available to maximise the comfort and efficiency of your commercial building:

#### Nuaire Ventilation Systems

Our Nuaire brand has been at the forefront of packaged Air Handling Units (AHUs) for over 20 years, designing and manufacturing market leading ranges. Explore the full range of Nuaire ventilation systems at [www.nuaire.co.uk](http://www.nuaire.co.uk).

#### Polypipe Underfloor Heating

Underfloor heating systems are increasingly popular and are rapidly becoming the heat source of choice for commercial and multioccupancy residential developments. For more information on our range of Underfloor Heating Systems, controls and manifolds visit: [www.polypipeUFH.com](http://www.polypipeUFH.com).

#### Polypipe: Inspiring Green Urbanisation

To help address the pressures that urbanisation and climate change place on our built environment, we've developed a new generation of technologies that sustain and optimise urban green assets through extended and fully integrated water management solutions. Systems that make space for water, alleviate flooding and capture, store and reuse rainwater, whilst enabling and inspiring Green Urbanisation. [www.polypipe.com/civils/gi](http://www.polypipe.com/civils/gi)



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## MecFlow. Build Your Kit.



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