

Supply & Drainage Systems



Price List 2025

Introduction

Welcome to Genuit Group

Here at Genuit Group, we are making the built environment more sustainable by helping create a more resilient planet, society and business. Sustainability is core to our commercial strategy, driving innovation in both how we run our business and products we create. We find solutions for the environmental challenges facing our infrastructure, our buildings and our communities, and deliver these at scale.



Polypipe Building Services is part of the Genuit Group – developing and delivering exceptional engineered solutions in both drainage and water supply. Our specialist technical team help our customers to complete safe and sustainable installations within high-rise residential, office, education, healthcare and leisure properties – both new build and retrofit.

For over 60 years our Terrain brand has been the industry benchmark for drainage systems, and now our award-winning MecFlow Supply Systems range is delivering new advances in water supply. MecFlow delivers a complete plantroom to apartment solution. MecFlow Fusion is a robust WRAS approved PP-RCT system, with a B-s1, d0* fire rating, designed specifically for boosted cold water, low temperature hot water, chilled water and heating applications. MecFlow Press is engineered for potable, hot & cold plumbing and heating installations, based on a multi-layer composite pipe material with innovative, flow-optimised fittings.

Our Advantage Service creates complete drainage and water supply systems, fully customised and pre-fabricated off-site. Quality assured, pre-tested and delivered direct to your site ready for immediate installation.

Whether your requirement is a single component or a complete fully customised system, we have the design, fabrication and testing capabilities together with the specialist advice and customer support needed to ensure that your project is a success.

*Fire classification rating according to EN13501, installed according to building regulations.

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TOUGHEN UP!

MecFlow Fusion is the water supply system specifically designed to meet the tough standards required of today's plantroom, riser, header and runout installations.

Its robust PP-RCT composition is reinforced by a microfibre mesh, and with fusion welding techniques including Polypipe's unique patented CLICKWELD jointing technology, achieving long-lasting joints takes minimal fuss.

The system is suitable for boosted cold water, low temperature hot water, chilled water and heating applications. It has an anti-microbial additive and is tested to achieve a fire classification rating of B-s1, d0*.

Meeting tough standards doesn't need to be a tough decision - choose MecFlow Fusion from Polypipe Building Services.

Visit www.polypipe.com/mecflow

*Fire classification rating according to EN13501, installed according to building regulations.



MecFlow Fusion



Introduction

MecFlow Fusion is a multi-layer, WRAS approved, PP-RCT system with a material formulation designed for strength and durability that achieves a fire classification rating of B-s1, d0*; making it ideal for healthcare, leisure, multi occupancy and high-rise building projects.

The pipe's inner white layer incorporates anti-microbial protection, preventing biofilm build-up and has a high resistance to rigorous disinfection processes, heat and fluctuating temperatures.

Its intermediate layer benefits from the addition of microfibres set in a mesh formation, working to reduce thermal expansion and along with several other additives, increases the mechanical resistance of the system.

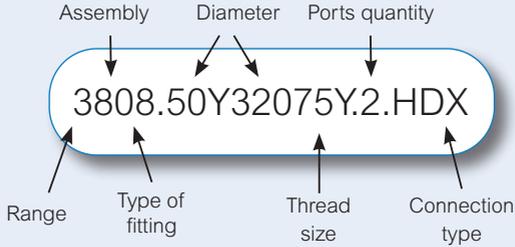
Finally, the outer layer is UV stabilised and abrasion resistant, contributing to the system's robust construction, providing overall high resistance to impact, ensuring product safety during transportation, storage and on-site handling.

The system is available in a wide range of diameters from 20mm – 315mm, giving you confidence that it's the optimal solution if running pipework up risers, along corridors or to plant equipment using known and trusted techniques including electrofusion, socket, and butt welding, depending on size.

*Fire classification rating according to EN13501, installed according to building regulations.

MecFlow Supply Systems

A Guide to the MecFlow Fusion Manifolds Product Coding System



Range Series

3000 = MecFlow Fusion

Assembly

800 = Fabricated Product

Type of Fitting

08 = Manifold

18 = Manifold

Thread Sizes

075 = $\frac{3}{4}$ " BSP

Manifold Connection Type

D = Drain

H = Horizontal

V = Vertical

X = Female

Y = Male

Code Spacers

"," and "X"

Used in product codes to split pipe series, diameter and angle references.

Products marked in the product listings are:

 - Available in .DWG file format.

 - Available in .RFA and .ADSK file format.

These files are ready to incorporate into design drawings. If you would like the files in the relevant format, simply contact the Advantage Team on 01622 795200 or email commercialenquiries@polypipe.com.



BSI kitemark certified

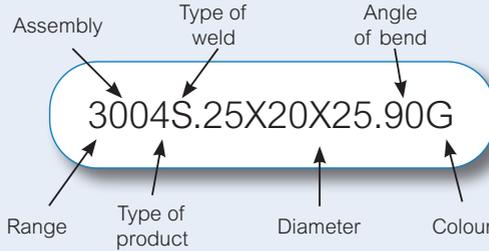
MecFlow Supply Systems - 3000 Fusion

	Size mm	Ports	Col	Pack/ Box	Code	Price Each	
Manifolds- Horizontal - Drain, Male Thread							
	1½"/50¾"	2	Ⓐ	G	1	3808.50Y32075Y.2.HDX	£835.23
	1½"/50¾"	3	Ⓐ	G	1	3808.50Y32075Y.3.HDX	£1,072.50
	1½"/50¾"	4	Ⓐ	G	1	3808.50Y32075Y.4.HDX	£1,237.47
	1½"/50¾"	5	Ⓐ	G	1	3808.50Y32075Y.5.HDX	£1,474.79
	1½"/50¾"	6	Ⓐ	G	1	3808.50Y32075Y.6.HDX	£1,639.76
	1½"/50¾"	7	Ⓐ	G	1	3808.50Y32075Y.7.HDX	£1,877.04
	1½"/50¾"	8	Ⓐ	G	1	3808.50Y32075Y.8.HDX	£2,042.04
	1½"/50¾"	9	Ⓐ	G	1	3808.50Y32075Y.9.HDX	£1,965.44
	1½"/50¾"	10	Ⓐ	G	1	3808.50Y32075Y.10.HDX	£2,130.26
	1½"/50¾"	11	Ⓐ	G	1	3808.50Y32075Y.11.HDX	£2,337.61
	1½"/50¾"	12	Ⓐ	G	1	3808.50Y32075Y.12.HDX	£2,472.72
	Manifolds- Horizontal - No Drain, Male Thread						
	1½"/50¾"	2	Ⓐ	G	1	3818.50Y32075Y.2.HX	£798.69
	1½"/50¾"	3	Ⓐ	G	1	3818.50Y32075Y.3.HX	£1,035.97
	1½"/50¾"	4	Ⓐ	G	1	3818.50Y32075Y.4.HX	£1,200.93
	1½"/50¾"	5	Ⓐ	G	1	3818.50Y32075Y.5.HX	£1,438.20
	1½"/50¾"	6	Ⓐ	G	1	3818.50Y32075Y.6.HX	£1,603.22
	1½"/50¾"	7	Ⓐ	G	1	3818.50Y32075Y.7.HX	£1,840.49
	1½"/50¾"	8	Ⓐ	G	1	3818.50Y32075Y.8.HX	£1,751.27
	1½"/50¾"	9	Ⓐ	G	1	3818.50Y32075Y.9.HX	£1,928.89
	1½"/50¾"	10	Ⓐ	G	1	3818.50Y32075Y.10.HX	£2,093.73
	1½"/50¾"	11	Ⓐ	G	1	3818.50Y32075Y.11.HX	£2,301.08
	1½"/50¾"	12	Ⓐ	G	1	3818.50Y32075Y.12.HX	£2,436.13
	Manifolds- Vertical - Drain, Male Thread						
	1½"/50¾"	2	Ⓐ	G	1	3808.50Y32075Y.2.VDX	£758.48
	1½"/50¾"	3	Ⓐ	G	1	3808.50Y32075Y.3.VDX	£995.76
	1½"/50¾"	4	Ⓐ	G	1	3808.50Y32075Y.4.VDX	£1,160.72
	1½"/50¾"	5	Ⓐ	G	1	3808.50Y32075Y.5.VDX	£1,397.99
	1½"/50¾"	6	Ⓐ	G	1	3808.50Y32075Y.6.VDX	£1,563.01
	1½"/50¾"	7	Ⓐ	G	1	3808.50Y32075Y.7.VDX	£1,800.28
	1½"/50¾"	8	Ⓐ	G	1	3808.50Y32075Y.8.VDX	£1,711.06
	1½"/50¾"	9	Ⓐ	G	1	3808.50Y32075Y.9.VDX	£1,888.68
	1½"/50¾"	10	Ⓐ	G	1	3808.50Y32075Y.10.VDX	£2,053.47
	1½"/50¾"	11	Ⓐ	G	1	3808.50Y32075Y.11.VDX	£2,260.87
	1½"/50¾"	12	Ⓐ	G	1	3808.50Y32075Y.12.VDX	£2,395.92
	Manifolds- Vertical - No Drain, Male Thread						
	1½"/50¾"	2	Ⓐ	G	1	3818.50Y32075Y.2.VX	£721.90
	1½"/50¾"	3	Ⓐ	G	1	3818.50Y32075Y.3.VX	£959.21
	1½"/50¾"	4	Ⓐ	G	1	3818.50Y32075Y.4.VX	£1,124.19
	1½"/50¾"	5	Ⓐ	G	1	3818.50Y32075Y.5.VX	£1,361.45
	1½"/50¾"	6	Ⓐ	G	1	3818.50Y32075Y.6.VX	£1,526.42
	1½"/50¾"	7	Ⓐ	G	1	3818.50Y32075Y.7.VX	£1,763.74
	1½"/50¾"	8	Ⓐ	G	1	3818.50Y32075Y.8.VX	£1,674.48
	1½"/50¾"	9	Ⓐ	G	1	3818.50Y32075Y.9.VX	£1,852.14
	1½"/50¾"	10	Ⓐ	G	1	3818.50Y32075Y.10.VX	£2,016.93
	1½"/50¾"	11	Ⓐ	G	1	3818.50Y32075Y.11.VX	£2,224.33
	1½"/50¾"	12	Ⓐ	G	1	3818.50Y32075Y.12.VX	£2,359.38

Bespoke MecFlow Fusion Manifolds are available via the Advantage Team. Examples of bespoke options include 63mm for sprinkler applications, port length and/or angle changes and straight ends. Please contact the Advantage Team to discuss your requirements.

MecFlow Supply Systems

A Guide to the MecFlow Fusion Pipe and Fittings Product Coding System



Range Series

3000 = Mecflow Fusion

Assembly

000 = Single Product

Type of Product

- 00 = Pipe
- 01 = Elbow
- 04 = Tee & Tee Reducing
- 10 = Electrofusion Coupling
- 11 = Double Socket
- 16 = Threaded Adaptor Female
- 17 = Threaded Adaptor Male
- 19 = Threaded Adaptor Loose Nut
- 24 = Reducer
- 57 = Threaded Adaptor Union Male
- 58 = Threaded Adaptor Union Female
- 80 = Stub Flange
- 81 = Backing Ring
- 82 = Seal
- 83 = Blanking Flange

Type of Weld

- B = Butt Weld
- S = Socket Weld

Pipe Series

3 & 5 = Pipe Wall Type, required for correct alignment of butt welded joints.

Diameters

- 20 = 20mm Pipe O/D
- 25 = 25mm Pipe O/D
- 32 = 32mm Pipe O/D
- 40 = 40mm Pipe O/D
- 50 = 50mm Pipe O/D
- 63 = 63mm Pipe O/D
- 75 = 75mm Pipe O/D
- 90 = 90mm Pipe O/D
- 110 = 110mm Pipe O/D
- 125 = 125mm Pipe O/D
- 160 = 160mm Pipe O/D
- 200 = 200mm Pipe O/D
- 250 = 250mm Pipe O/D
- 315 = 315mm Pipe O/D

Thread Sizes

- 05 = ½" BSP
- 075 = ¾" BSP
- 1 = 1" BSP
- 125 = 1¼" BSP
- 15 = 1½" BSP
- 2 = 2" BSP
- 25 = 2½" BSP
- 3 = 3" BSP
- 4 = 4" BSP

Length

- 40 = 4m
- 58 = 5.8m

Angle

- 45 = 45°
- 90 = 90°

Colour

- B = Black
- G = Grey
- S = Metal/PVC

Pressure Rating

25PN = PN25 (25Bar)

Code Spacers

"," and "X"
Used in product codes to split pipe series, diameter and angle references.



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MecFlow Supply Systems - 3000 Fusion

	Size mm	Angle	Col	Pack/ Box	Code	Price Each
Pipe						
	Plain Ended					
	20 (4m)	90°	G	-	3000.3.20.40G	£39.15
	25 (4m)	90°	G	-	3000.3.25.40G	£61.30
	32 (4m)	90°	G	-	3000.3.32.40G	£73.54
	40 (4m)	90°	G	-	3000.5.40.40G	£131.97
	50 (4m)	90°	G	-	3000.5.50.40G	£160.43
	63 (4m)	90°	G	-	3000.5.63.40G	£214.34
	75 (4m)	90°	G	-	3000.5.75.40G	£283.14
	90 (4m)	90°	G	-	3000.5.90.40G	£400.08
	110 (4m)	90°	G	-	3000.5.110.40G	£552.13
	125 (5.8m)	90°	G	-	3000.5.125.58G	£1,043.21
	160 (5.8m)	90°	G	-	3000.5.160.58G	£1,562.31
	200 (5.8m)	90°	G	-	3000.5.200.58G	£3,502.03
	250 (5.8m)	90°	G	-	3000.5.250.58G	£5,633.93
	315 (5.8m)	90°	G	-	3000.5.315.58G	£8,768.56

Electrofusion Coupler



Double Socket - Electrofusion



20	90°	G	-	3010.20G	£43.17
25	90°	G	-	3010.25G	£45.64
32	90°	G	-	3010.32G	£67.27
40	90°	G	-	3010.40G	£87.28
50	90°	G	-	3010.50G	£100.43
63	90°	G	-	3010.63G	£116.41
75	90°	G	-	3010.75G	£162.67
90	90°	G	-	3010.90G	£192.64
110	90°	G	-	3010.110G	£225.44
125	90°	G	-	3010.125G	£334.83
160	90°	G	-	3010.160G	£514.31
200	90°	G	-	3010.200G	£794.44
250	90°	G	-	3010.250G	£1,607.03
315	90°	G	-	3010.315G	£2,227.61

Double Socket

Double Socket - Socket Weld



20	90°	G	-	3011S.20G	£1.17
25	90°	G	-	3011S.25G	£1.50
32	90°	G	-	3011S.32G	£4.55
40	90°	G	-	3011S.40G	£6.74
50	90°	G	-	3011S.50G	£12.21
63	90°	G	-	3011S.63G	£15.66
75	90°	G	-	3011S.75G	£31.75
90	90°	G	-	3011S.90G	£50.41
110	90°	G	-	3011S.110G	£71.41
125	90°	G	-	3011S.125G	£109.95

MecFlow Supply Systems

MecFlow Supply Systems - 3000 Fusion								
	Size mm	Angle	Col	Pack/ Box	Code		Price Each	
Elbow 45°								
	Double Socket - Socket Weld							
	20	45		G	-	3001S.20.45G	£2.09	
	25	45		G	-	3001S.25.45G	£2.64	
	32	45		G	-	3001S.32.45G	£5.60	
	40	45		G	-	3001S.40.45G	£14.39	
	50	45		G	-	3001S.50.45G	£26.26	
	63	45		G	-	3001S.63.45G	£34.34	
	75	45		G	-	3001S.75.45G	£50.41	
	90	45		G	-	3001S.90.45G	£100.82	
	110	45		G	-	3001S.110.45G	£131.23	
	125	45		G	-	3001S.125.45G	£210.94	
		Plain End - Butt Weld						
		160	45		G	-	3001B.5.160.45G	£341.04
200		45		G	-	3001B.5.200.45G	£599.55	
250		45		G	-	3001B.5.250.45G	£994.79	
315		45		G	-	3001B.5.315.45G	£1,954.83	
Elbow 90°								
	Double Socket - Socket Weld							
	20	90		G	-	3001S.20.90G	£1.32	
	25	90		G	-	3001S.25.90G	£2.09	
	32	90		G	-	3001S.32.90G	£5.60	
	40	90		G	-	3001S.40.90G	£13.08	
	50	90		G	-	3001S.50.90G	£22.50	
	63	90		G	-	3001S.63.90G	£29.51	
	75	90		G	-	3001S.75.90G	£50.61	
	90	90		G	-	3001S.90.90G	£95.78	
	110	90		G	-	3001S.110.90G	£157.40	
	125	90		G	-	3001S.125.90G	£215.61	
	Plain End - Butt Weld							
	160	90		G	-	3001B.5.160.90G	£410.51	
	200	90		G	-	3001B.5.200.90G	£806.43	
	250	90		G	-	3001B.5.250.90G	£1,333.91	
315	90		G	-	3001B.5.315.90G	£2,930.12		
Tee								
	Triple Socket - Socket Weld							
	20	90		G	-	3004S.20.90G	£1.80	
	25	90		G	-	3004S.25.90G	£2.35	
	32	90		G	-	3004S.32.90G	£7.93	
	40	90		G	-	3004S.40.90G	£10.32	
	50	90		G	-	3004S.50.90G	£14.33	
	63	90		G	-	3004S.63.90G	£27.08	
	75	90		G	-	3004S.75.90G	£100.47	
	90	90		G	-	3004S.90.90G	£143.08	
	110	90		G	-	3004S.110.90G	£214.91	
125	90		G	-	3004S.125.90G	£285.24		
	Triple Spigot - Butt Weld							
	160	90		G	-	3004B.5.160.90G	£584.18	
	200	90		G	-	3004B.5.200.90G	£1,069.65	
	250	90		G	-	3004B.5.250.90G	£1,756.64	
315	90		G	-	3004B.5.315.90G	£3,022.25		

MecFlow Supply Systems - 3000 Fusion

	Size mm	Angle	Col	Pack/ Box	Code	Price Each	
Reducing Tee							
Triple Socket - Socket Weld							
	25/20	90		G	-	3004S.25X20X25.90G	£2.71
	32/20	90		G	-	3004S.32X20X32.90G	£5.21
	32/25	90		G	-	3004S.32X25X32.90G	£4.55
	40/20	90		G	-	3004S.40X20X40.90G	£7.77
	40/25	90		G	-	3004S.40X25X40.90G	£7.85
	40/32	90		G	-	3004S.40X32X40.90G	£14.73
	50/25	90		G	-	3004S.50X25X50.90G	£17.56
	50/32	90		G	-	3004S.50X32X50.90G	£27.46
	50/40	90		G	-	3004S.50X40X50.90G	£27.46
	63/32	90		G	-	3004S.63X32X63.90G	£46.23
	63/40	90		G	-	3004S.63X40X63.90G	£46.23
	63/50	90		G	-	3004S.63X50X63.90G	£35.54
	75/32	90		G	-	3004S.75X32X75.90G	£55.01
	75/40	90		G	-	3004S.75X40X75.90G	£55.01
	75/50	90		G	-	3004S.75X50X75.90G	£55.01
	75/63	90		G	-	3004S.75X63X75.90G	£53.82
	90/50	90		G	-	3004S.90X50X90.90G	£77.49
	90/63	90		G	-	3004S.90X63X90.90G	£77.49
90/75	90		G	-	3004S.90X75X90.90G	£77.49	
110/63	90		G	-	3004S.110X63X110.90G	£123.13	
110/75	90		G	-	3004S.110X75X110.90G	£174.84	
110/90	90		G	-	3004S.110X90X110.90G	£214.91	
Triple Spigot - Butt Weld							
	160/110	90		G	-	3004B.5.160X110X160.90G	£481.69
	160/125	90		G	-	3004B.5.160X125X160.90G	£511.90
	200/125	90		G	-	3004B.5.200X125X200.90G	£593.87
	200/160	90		G	-	3004B.5.200X160X200.90G	£923.45
	250/160	90		G	-	3004B.5.250X160X250.90G	£1,361.33
	250/200	90		G	-	3004B.5.250X200X250.90G	£1,557.28
	315/160	90		G	-	3004B.5.315X160X315.90G	£2,034.60
	315/200	90		G	-	3004B.5.315X200X315.90G	£2,120.13
Reducer							
Spigot / Socket - Socket Weld							
	25/20			G	-	3024S.25X20G	£1.39
	32/20			G	-	3024S.32X20G	£1.76
	32/25			G	-	3024S.32X25G	£1.76
	40/25			G	-	3024S.40X25G	£3.74
	40/32			G	-	3024S.40X32G	£7.36
	50/32			G	-	3024S.50X32G	£11.02
	50/40			G	-	3024S.50X40G	£11.57
	63/32			G	-	3024S.63X32G	£14.24
	63/40			G	-	3024S.63X40G	£15.66
	63/50			G	-	3024S.63X50G	£17.23
	75/32			G	-	3024S.75X32G	£22.97
	75/40			G	-	3024S.75X40G	£25.96
	75/50			G	-	3024S.75X50G	£26.55
	75/63			G	-	3024S.75X63G	£26.55
	90/63			G	-	3024S.90X63G	£40.33
	90/75			G	-	3024S.90X75G	£40.33
110/50			G	-	3024S.110X50G	£95.62	
110/63			G	-	3024S.110X63G	£95.67	

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MecFlow Supply Systems

MecFlow Supply Systems - 3000 Fusion							
	Size mm	Angle	Col	Pack/ Box	Code	Price Each	
Reducer							
	110/75	⊘	G	-	3024S.110X75G	£95.67	
	110/90	⊘	G	-	3024S.110X90G	£96.36	
	125/50	⊘	G	-	3024S.125X50G	£123.48	
	125/110	⊘	G	-	3024S.125X110G	£139.31	
	160/110	⊘	G	-	3024S.160X110G	£308.20	
	160/125	⊘	G	-	3024S.160X125G	£400.66	
Double Spigot - Butt Weld							
	200/125		G	-	3024B.5.200X125G	£329.40	
	200/160		G	-	3024B.5.200X160G	£215.02	
	250/160		G	-	3024B.5.250X160G	£288.26	
	250/200		G	-	3024B.5.250X200G	£317.26	
	315/200		G	-	3024B.5.315X200G	£1,632.00	
	315/250		G	-	3024B.5.315X250G	£1,295.67	
Threaded Adaptor							
Threaded Adaptor - Socket Weld to Female BSP							
	20/1/2"	⊘	G	-	3016S.20X05G	£11.88	
	25/1/2"	⊘	G	-	3016S.25X05G	£12.35	
	25/3/4"	⊘	G	-	3016S.25X075G	£16.79	
	32/3/4"	⊘	G	-	3016S.32X075G	£27.15	
Threaded Adaptor - Socket Weld to Female Hex Nut BSP							
	32/1"	⊘	G	-	3016S.32X1G	£45.94	
	40/1 1/4"	⊘	G	-	3016S.40X125G	£67.92	
	50/1 1/2"	⊘	G	-	3016S.50X15G	£101.65	
	63/2"	⊘	G	-	3016S.63X2G	£165.60	
	75/2 1/2"	⊘	G	-	3016S.75X25G	£298.05	
	90/3"	⊘	G	-	3016S.90X3G	£469.59	
110/4"	⊘	G	-	3016S.110X4G	£611.04		
Threaded Adaptor - Elbow, Socket Weld to Female BSP							
	32/3/4"	90	⊘	G	-	3016S.32X075.90G	£23.86
Threaded Adaptor - Elbow, Socket Weld to Female Hex Nut BSP							
	32/1"		⊘		3016S.32X1.90G	£49.16	
Threaded Adaptor - Socket Weld to Male BSP							
	20/1/2"	⊘	G	-	3017S.20X05G	£14.96	
	25/1/2"	⊘	G	-	3017S.25X05G	£15.80	
	25/3/4"	⊘	G	-	3017S.25X075G	£21.56	

MecFlow Supply Systems - 3000 Fusion

	Size mm	Angle	Col	Pack/ Box	Code	Price Each	
Threaded Adaptor							
Threaded Adaptor - Socket Weld to Male Hex Nut BSP							
	32/8"		Ⓐ	G	-	3017S.32X075G	£41.49
	32/1"		Ⓐ	G	-	3017S.32X1G	£58.08
	40/1 1/4"		Ⓐ	G	-	3017S.40X125G	£122.32
	50/1 1/2"		Ⓐ	G	-	3017S.50X15G	£172.20
	63/2"		Ⓐ	G	-	3017S.63X2G	£222.85
	75/2 1/2"		Ⓐ	G	-	3017S.75X25G	£371.41
	90/3"		Ⓐ	G	-	3017S.90X3G	£623.97
	110/4"		Ⓐ	G	-	3017S.110X4G	£964.46
Threaded Adaptor - Elbow, Socket Weld to Male BSP							
	32/8"	90	Ⓐ	G	-	3017S.32X075.90G	£26.15
Threaded Adaptor - Elbow, Socket Weld to Male Hex Nut BSP							
	32/1"	90	Ⓐ	G	-	3017S.32X1.90G	£52.20
Threaded Adaptor - Union, Socket Weld to Female Loose Nut BSP							
	32/1"		Ⓐ	G	-	3019S.32X1G	£63.35
	32/1 1/4"		Ⓐ	G	-	3019S.32X125G	£101.04
Threaded Adaptor - Union, Socket Weld to Male Hex Nut BSP							
	20/1/2"		Ⓐ	G	-	3057S.20X05G	£28.52
	25/3/4"		Ⓐ	G	-	3057S.25X075G	£47.92
	32/1"		Ⓐ	G	-	3057S.32X1G	£62.43
	40/1 1/4"		Ⓐ	G	-	3057S.40X125G	£84.93
	50/1 1/2"		Ⓐ	G	-	3057S.50X15G	£148.17
	63/2"		Ⓐ	G	-	3057S.63X2G	£247.49
	75/2 1/2"		Ⓐ	G	-	3057S.75X25G	£464.66
	90/3"		Ⓐ	G	-	3057S.90X3G	£1,099.12
	110/4"		Ⓐ	G	-	3057S.110X4G	£1,388.32
Threaded Adaptor - Union, Socket Weld to Female Hex Nut BSP							
	20/1/2"		Ⓐ	G	-	3058S.20X05G	£30.83
	25/3/4"		Ⓐ	G	-	3058S.25X075G	£44.10
	32/1"		Ⓐ	G	-	3058S.32X1G	£64.11
	40/1 1/4"		Ⓐ	G	-	3058S.40X125G	£90.68
	50/1 1/2"		Ⓐ	G	-	3058S.50X15G	£136.48
	63/2"		Ⓐ	G	-	3058S.63X2G	£236.53
	75/2 1/2"		Ⓐ	G	-	3058S.75X25G	£419.96
	90/3"		Ⓐ	G	-	3058S.90X3G	£801.19
	110/4"		Ⓐ	G	-	3058S.110X4G	£1,015.80

MecFlow Supply Systems

MecFlow Supply Systems - 3000 Fusion

Size mm	Col	Pack/ Box	Code	Price Each	
Saddle					
Saddle / Spigot - Saddle Weld / Socket Weld					
50/20		G	-	3054.50X20G	£12.90
50/25		G	-	3054.50X25G	£13.89
50/32		G	-	3054.50X32G	£14.70
63/20		G	-	3054.63X20G	£12.90
63/25		G	-	3054.63X25G	£14.70
63/32		G	-	3054.63X32G	£14.70
75/20		G	-	3054.75X20G	£12.90
75/25		G	-	3054.75X25G	£13.89
75/32		G	-	3054.75X32G	£14.70
90/20		G	-	3054.90X20G	£12.90
90/25		G	-	3054.90X25G	£13.89
90/32		G	-	3054.90X32G	£14.70
90/40		G	-	3054.90X40G	£25.66
90/50		G	-	3054.90X50G	£28.82
110/20		G	-	3054.110X20G	£12.90
110/25		G	-	3054.110X25G	£13.89
110/32		G	-	3054.110X32G	£14.70
110/40		G	-	3054.110X40G	£25.66
110/50		G	-	3054.110X50G	£28.82
110/63		G	-	3054.110X63G	£33.76
125/20		G	-	3054.125X20G	£12.90
125/25		G	-	3054.125X25G	£13.89
125/32		G	-	3054.125X32G	£14.70
125/40		G	-	3054.125X40G	£25.66
125/50		G	-	3054.125X50G	£28.82
125/63		G	-	3054.125X63G	£33.76
160/20		G	-	3054.160X20G	£12.90
160/25		G	-	3054.160X25G	£13.89
160/32		G	-	3054.160X32G	£14.70
160/40		G	-	3054.160X40G	£25.66
160/50		G	-	3054.160X50G	£28.82
160/63		G	-	3054.160X63G	£33.76
200/20		G	-	3054.200X20G	£12.90
200/25		G	-	3054.200X25G	£13.89
200/32		G	-	3054.200X32G	£14.70
200/40		G	-	3054.200X40G	£25.66
200/50		G	-	3054.200X50G	£28.82
200/63		G	-	3054.200X63G	£33.76
250/40		G	-	3054.250X40G	£25.66
250/50		G	-	3054.250X50G	£28.82
250/63		G	-	3054.250X63G	£33.76
315/40		G	-	3054.315X40G	£25.66
315/50		G	-	3054.315X50G	£28.82
315/63		G	-	3054.315X63G	£33.76



MecFlow Supply Systems - 3000 Fusion

	Size mm	PN rating	Col	Pack/ Box	Code	Price Each	
Stub Flange							
Socket - Socket Weld							
	40	16 & 25	FR	G	-	3080S.40G	£15.89
	50	16 & 25	FR	G	-	3080S.50G	£21.87
	63	16 & 25	FR	G	-	3080S.63G	£29.61
	75	16 & 25	FR	G	-	3080S.75G	£38.41
	90	16 & 25	FR	G	-	3080S.90G	£47.91
	110	16 & 25	FR	G	-	3080S.110G	£74.71
	125	16 & 25	FR	G	-	3080S.125G	£133.01
Spigot - Butt Weld							
	160	16 & 25	G	-	3080B.5.160G	£318.36	
	200	16 & 25	G	-	3080B.5.200G	£219.56	
	250	16 & 25	G	-	3080B.5.250G	£655.27	
	315	16 & 25	G	-	3080B.5.315G	£841.00	
Backing Ring							
Fix with Nuts and Bolts							
	40	16	FR	G	-	3081.40S	£25.72
	50	16	FR	G	-	3081.50S	£32.88
	63	16	FR	G	-	3081.63S	£32.88
	75	16	FR	G	-	3081.75S	£38.68
	90	16	FR	G	-	3081.90S	£51.54
	110	16	FR	G	-	3081.110S	£55.76
	125	16	FR	G	-	3081.125S	£197.63
	160	16	FR	G	-	3081.160S	£117.31
	200	16	FR	G	-	3081.200S	£152.30
	250	16	FR	G	-	3081.250S	£289.43
	315	16	FR	G	-	3081.315S	£480.31
	40	25	FR	G	-	3081.40.25PN	£495.80
	50	25	FR	G	-	3081.50.25PN	£538.59
	63	25	FR	G	-	3081.63.25PN	£583.28
	75	25	FR	G	-	3081.75.25PN	£640.52
	90	25	FR	G	-	3081.90.25PN	£640.52
	110	25	FR	G	-	3081.110.25PN	£704.60
	125	25	FR	G	-	3081.125.25PN	£845.41
	160	25	FR	G	-	3081.160.25PN	£1,025.33
	200	25	FR	G	-	3081.200.25PN	£1,078.35
	250	25	FR	G	-	3081.250.25PN	£1,740.15
	315	25	FR	G	-	3081.315.25PN	£2,055.30
Seal PN16 & PN25							
EPDM Seal							
	40	16	FR	G	-	3082.40B	£6.85
	50	16	FR	G	-	3082.50B	£6.85
	63	16	FR	G	-	3082.63B	£9.91
	75	16	FR	G	-	3082.75B	£13.60
	90	16	FR	G	-	3082.90B	£12.33
	110	16	FR	G	-	3082.110B	£15.39
	125	16	FR	G	-	3082.125B	£5.69
	160	16	FR	G	-	3082.160B	£27.30
	200	16	FR	G	-	3082.200B	£8.85
	250	16	FR	G	-	3082.250B	£35.52
315	16	FR	G	-	3082.315B	£42.05	

MecFlow Supply Systems

MecFlow Supply Systems - 3000 Fusion

	Size mm	PN rating	Col	Pack/ Box	Code	Price Each	
Blank Flange PN16							
Fix with Nuts and Bolts							
	40	16		G	-	3083.40S	£41.96
	50	16		G	-	3083.50S	£46.53
	63	16		G	-	3083.63S	£51.42
	75	16		G	-	3083.75S	£76.99
	90	16		G	-	3083.90S	£91.09
	110	16		G	-	3083.110S	£116.68
	125	16		G	-	3083.125S	£123.34
	160	16		G	-	3083.160S	£204.92
	200	16		G	-	3083.200S	£315.15
	250	16		G	-	3083.250S	POA
	315	16		G	-	3083.315S	POA
Blank Flange PN25							
	40	25		G	-	3083.40.25PN	£74.20
	50	25		G	-	3083.50.25PN	£116.99
	63	25		G	-	3083.63.25PN	£161.68
	75	25		G	-	3083.75.25PN	£218.92
	90	25		G	-	3083.90.25PN	£218.92
	110	25		G	-	3083.110.25PN	£283.00
	125	25		G	-	3083.125.25PN	£423.81
	160	25		G	-	3083.160.25PN	£603.73
	200	25		G	-	3083.200.25PN	£1,036.93
	250	25		G	-	3083.250.25PN	£1,609.88
	315	25		G	-	3083.315.25PN	£2,210.03
End Cap							
Socket - Socket Weld							
	20			G	-	3030S.20G	£1.36
	25			G	-	3030S.25G	£2.09
	32			G	-	3030S.32G	£2.75
	40			G	-	3030S.40G	£4.44
	50			G	-	3030S.50G	£8.62
	63			G	-	3030S.63G	£13.01
	75			G	-	3030S.75G	£24.16
	90			G	-	3030S.90G	£42.75
	110			G	-	3030S.110G	£61.37
	125			G	-	3030S.125G	£108.04
Spigot - Butt Weld							
	160			G	-	3030B.5.160G	£218.68
	200			G	-	3030B.5.200G	£339.00
	250			G	-	3030B.5.250G	£400.04
	315			G	-	3030B.5.315G	£2,893.64

MecFlow Fusion - Tooling

Installation of the MecFlow Fusion Supply System requires tooling specific to the diameter and jointing method chosen. Below is a guide as to what's required for each option and applicable diameters.

	Socket Weld	Butt Weld	Electrofusion Weld ⁽²⁾	Clickweld [®]	Saddle Weld ⁽³⁾
Tooling Needed:⁽¹⁾	Ø20mm - 125mm	Ø20mm - 125mm	Ø20mm - 315mm	Ø50mm - 125mm	Ø50mm - 315mm
Chinagraph Pencil	✓	✓	✓		
Pipe Cutter - Ratchet / Tube / Saw	✓	✓	✓		
Scraper - Turbo / Rotary / Orbital			✓		
Pipe Chamfer / Beveller	✓				
Deburrer	✓	✓	✓		✓
Isopropyl Alcohol Wipes (91% by volume or greater)	✓	✓	✓	✓	✓
Hole Cutters (Saddles)					✓
Temperature Probe & Thermometer	✓	✓			✓
Butt Welder		✓			
Electrofusion Welder (4mm Connectors)			✓	✓ ⁽⁴⁾	
Saddle Welder					✓
Socket Welder - Hand / Bench	✓ ⁽⁵⁾				✓ ⁽⁶⁾
Irons Socket - Type A	✓				
Irons Saddle - Type N					✓
Irons Saddle - Type N			✓		
Pipe Support Stand	✓	✓			✓

Please contact your local Polypipe Building Services Technical Sales Manager for tooling supplier and model number details.

Detailed jointing information is available in the MecFlow Fusion Technical Manual.

(1) Tooling listed is for guidance only and is subject to pipe and fitting diameter requirements. (2) Electrofusion welding is available Pipe to Pipe Ø20-315mm and Pipe to Fitting Ø160-315mm. (3) Please refer to the MecFlow Fusion Technical Manual or Polypipe Building Services Price List for available saddle size options. (4) For MecFlow Fusion Clickweld[®] Fittings, the Griffon Electrofusion Machine is recommended. (5) Hand version socket welder should only be used for pipe diameters ≤Ø63mm. (6) Hand version socket welder should only be used for saddle welds. (7) Images are given as reference only, other brands/types are available.

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McFlow Fusion Manifolds

3808.50Y2075.2.HDX	G	£935.23	7
3808.50Y2075.2.VDX	G	£738.48	7
3808.50Y2075.3.HDX	G	£1,072.50	7
3808.50Y2075.3.VDX	G	£995.76	7
3808.50Y2075.4.HDX	G	£1,237.47	7
3808.50Y2075.4.VDX	G	£1,160.72	7
3808.50Y2075.5.HDX	G	£1,474.79	7
3808.50Y2075.5.VDX	G	£1,397.99	7
3808.50Y2075.6.HDX	G	£1,639.76	7
3808.50Y2075.6.VDX	G	£1,563.01	7
3808.50Y2075.7.HDX	G	£1,877.04	7
3808.50Y2075.7.VDX	G	£1,800.28	7
3808.50Y2075.8.HDX	G	£2,042.04	7
3808.50Y2075.8.VDX	G	£1,711.06	7
3808.50Y2075.9.HDX	G	£1,965.44	7
3808.50Y2075.9.VDX	G	£1,888.68	7
3808.50Y2075.10.HDX	G	£2,130.26	7
3808.50Y2075.10.VDX	G	£2,053.47	7
3808.50Y2075.11.HDX	G	£2,337.61	7
3808.50Y2075.11.VDX	G	£2,260.87	7
3808.50Y2075.12.HDX	G	£2,472.72	7
3808.50Y2075.12.VDX	G	£2,395.92	7
3818.50Y2075.2.HDX	G	£786.69	7
3818.50Y2075.2.VDX	G	£721.90	7
3818.50Y2075.3.HDX	G	£1,035.97	7
3818.50Y2075.3.VDX	G	£959.21	7
3818.50Y2075.4.HDX	G	£1,200.93	7
3818.50Y2075.4.VDX	G	£1,124.19	7
3818.50Y2075.5.HDX	G	£1,438.20	7
3818.50Y2075.5.VDX	G	£1,361.45	7
3818.50Y2075.6.HDX	G	£1,603.22	7
3818.50Y2075.6.VDX	G	£1,526.42	7
3818.50Y2075.7.HDX	G	£1,840.49	7
3818.50Y2075.7.VDX	G	£1,763.74	7
3818.50Y2075.8.HDX	G	£1,751.27	7
3818.50Y2075.8.VDX	G	£1,674.48	7
3818.50Y2075.9.HDX	G	£1,928.89	7
3818.50Y2075.9.VDX	G	£1,852.14	7
3818.50Y2075.10.HDX	G	£2,093.73	7
3818.50Y2075.10.VDX	G	£2,016.93	7
3818.50Y2075.11.HDX	G	£2,301.08	7
3818.50Y2075.11.VDX	G	£2,224.33	7
3818.50Y2075.12.HDX	G	£2,436.13	7
3818.50Y2075.12.VDX	G	£2,359.38	7

McFlow Fusion Fittings

3003.3.20.40G	G	£39.15	9
3003.3.25.40G	G	£61.30	9
3003.3.32.40G	G	£73.54	9
3003.5.40.40G	G	£131.97	9
3003.5.50.40G	G	£160.43	9
3003.5.63.40G	G	£214.34	9
3003.7.5.40G	G	£283.14	9
3003.5.50.40G	G	£400.08	9
3003.5.110.40G	G	£552.13	9
3003.5.125.56G	G	£1,043.21	9
3003.5.160.56G	G	£1,562.31	9
3003.5.200.56G	G	£3,502.03	9
3003.5.250.56G	G	£5,533.93	9
3003.3.75.56G	G	£275.26	9
3010.110G	G	£225.44	9
3010.125G	G	£334.83	9
3010.160G	G	£514.31	9
3010.200G	G	£794.44	9
3010.250G	G	£43.17	9
3010.250G	G	£1,607.03	9
3010.250G	G	£45.64	9
3010.315G	G	£227.27	9
3010.320G	G	£67.28	9
3010.40G	G	£87.28	9
3010.50G	G	£100.43	9
3010.63G	G	£116.41	9
3010.75G	G	£162.67	9
3010.90G	G	£192.64	9
3054.110X20G	G	£12.90	14
3054.110X25G	G	£13.89	14
3054.110X32G	G	£14.70	14
3054.110X40G	G	£25.66	14
3054.110X50G	G	£28.82	14
3054.110X63G	G	£33.76	14
3054.125X20G	G	£12.90	14
3054.125X25G	G	£13.89	14
3054.125X32G	G	£14.70	14
3054.125X40G	G	£25.66	14
3054.125X50G	G	£28.82	14
3054.125X63G	G	£33.76	14
3054.160X20G	G	£12.90	14

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3054.160X25G	G	£13.89	14
3054.160X32G	G	£14.70	14
3054.160X40G	G	£25.66	14
3054.160X50G	G	£28.82	14
3054.160X63G	G	£33.76	14
3054.250X20G	G	£12.90	14
3054.250X25G	G	£13.89	14
3054.250X32G	G	£14.70	14
3054.250X40G	G	£25.66	14
3054.250X50G	G	£28.82	14
3054.250X63G	G	£33.76	14
3054.315X40G	G	£25.66	14
3054.315X50G	G	£28.82	14
3054.315X63G	G	£33.76	14
3054.315X80G	G	£41.29	14
3054.50X20G	G	£12.90	14
3054.50X25G	G	£13.89	14
3054.50X32G	G	£14.70	14
3054.50X40G	G	£25.66	14
3054.50X50G	G	£28.82	14
3054.50X63G	G	£33.76	14
3054.50X80G	G	£41.29	14
3054.75X20G	G	£13.89	14
3054.75X25G	G	£14.70	14
3054.75X32G	G	£15.51	14
3054.75X40G	G	£25.66	14
3054.75X50G	G	£28.82	14
3054.75X63G	G	£33.76	14
3054.75X80G	G	£41.29	14
3054.90X20G	G	£12.90	14
3054.90X25G	G	£13.89	14
3054.90X32G	G	£14.70	14
3054.90X40G	G	£25.66	14
3054.90X50G	G	£28.82	14
3054.90X63G	G	£33.76	14
3054.90X80G	G	£41.29	14
3054.90X100G	G	£49.80	14
3054.90X125G	G	£58.33	14
3054.90X150G	G	£66.86	14
3054.90X175G	G	£75.39	14
3054.90X200G	G	£83.92	14
3054.90X225G	G	£92.45	14
3054.90X250G	G	£100.98	14
3054.90X275G	G	£109.51	14
3054.90X300G	G	£118.04	14
3054.90X325G	G	£126.57	14
3054.90X350G	G	£135.10	14
3054.90X375G	G	£143.63	14
3054.90X400G	G	£152.16	14
3054.90X425G	G	£160.69	14
3054.90X450G	G	£169.22	14
3054.90X475G	G	£177.75	14
3054.90X500G	G	£186.28	14
3054.90X525G	G	£194.81	14
3054.90X550G	G	£203.34	14
3054.90X575G	G	£211.87	14
3054.90X600G	G	£220.40	14
3054.90X625G	G	£228.93	14
3054.90X650G	G	£237.46	14
3054.90X675G	G	£245.99	14
3054.90X700G	G	£254.52	14
3054.90X725G	G	£263.05	14
3054.90X750G	G	£271.58	14
3054.90X775G	G	£280.11	14
3054.90X800G	G	£288.64	14
3054.90X825G	G	£297.17	14
3054.90X850G	G	£305.70	14
3054.90X875G	G	£314.23	14
3054.90X900G	G	£322.76	14
3054.90X925G	G	£331.29	14
3054.90X950G	G	£339.82	14
3054.90X975G	G	£348.35	14
3054.90X1000G	G	£356.88	14
3054.90X1025G	G	£365.41	14
3054.90X1050G	G	£373.94	14
3054.90X1075G	G	£382.47	14
3054.90X1100G	G	£391.00	14
3054.90X1125G	G	£399.53	14
3054.90X1150G	G	£408.06	14
3054.90X1175G	G	£416.59	14
3054.90X1200G	G	£425.12	14
3054.90X1225G	G	£433.65	14
3054.90X1250G	G	£442.18	14
3054.90X1275G	G	£450.71	14
3054.90X1300G	G	£459.24	14
3054.90X1325G	G	£467.77	14
3054.90X1350G	G	£476.30	14
3054.90X1375G	G	£484.83	14
3054.90X1400G	G	£493.36	14
3054.90X1425G	G	£501.89	14
3054.90X1450G	G	£510.42	14
3054.90X1475G	G	£518.95	14
3054.90X1500G	G	£527.48	14
3054.90X1525G	G	£536.01	14
3054.90X1550G	G	£544.54	14
3054.90X1575G	G	£553.07	14
3054.90X1600G	G	£561.60	14
3054.90X1625G	G	£570.13	14
3054.90X1650G	G	£578.66	14
3054.90X1675G	G	£587.19	14
3054.90X1700G	G	£595.72	14
3054.90X1725G	G	£604.25	14
3054.90X1750G	G	£612.78	14
3054.90X1775G	G	£621.31	14
3054.90X1800G	G	£629.84	14
3054.90X1825G	G	£638.37	14
3054.90X1850G	G	£646.90	14
3054.90X1875G	G	£655.43	14
3054.90X1900G	G	£663.96	14
3054.90X1925G	G	£672.49	14
3054.90X1950G	G	£681.02	14
3054.90X1975G	G	£689.55	14
3054.90X2000G	G	£698.08	14
3054.90X2025G	G	£706.61	14
3054.90X2050G	G	£715.14	14
3054.90X2075G	G	£723.67	14
3054.90X2100G	G	£732.20	14
3054.90X2125G	G	£740.73	14
3054.90X2150G	G	£749.26	14
3054.90X2175G	G	£757.79	14
3054.90X2200G	G	£766.32	14
3054.90X2225G	G	£774.85	14
3054.90X2250G	G	£783.38	14
3054.90X2275G	G	£791.91	14
3054.90X2300G	G	£800.44	14
3054.90X2325G	G	£808.97	14
3054.90X2350G	G	£817.50	14
3054.90X2375G	G	£826.03	14
3054.90X2400G	G	£834.56	14
3054.90X2425G	G	£843.09	14
3054.90X2450G	G	£851.62	14
3054.90X2475G	G	£860.15	14
3054.90X2500G	G	£868.68	14
3054.90X2525G	G	£877.21	14
3054.90X2550G	G	£885.74	14
3054.90X2575G	G	£894.27	14
3054.90X2600G	G	£902.80	14
3054.90X2625G	G	£911.33	14
3054.90X2650G	G	£919.86	14
3054.90X2675G	G	£928.39	14
3054.90X2700G	G	£936.92	14
3054.90X2725G	G	£945.45	14
3054.90X2750G	G	£953.98	14
3054.90X2775G	G	£962.51	14
3054.90X2800G	G	£971.04	14
3054.90X2825G	G	£979.57	14
3054.90X2850G	G	£988.10	14
3054.90X2875G	G	£996.63	14
3054.90X2900G	G	£1,005.16	14
3054.90X2925G	G	£1,013.69	14
3054.90X2950G	G	£1,022.22	14
3054.90X2975G	G	£1,030.75	14
3054.90X3000G	G	£1,039.28	14
3054.90X3025G	G	£1,047.81	14
3054.90X3050G	G	£1,056.34	14
3054.90X3075G	G	£1,064.87	14
3054.90X3100G	G	£1,073.40	14
3054.90X3125G	G	£1,081.93	14
3054.90X3150G	G	£1,090.46	14
3054.90X3175G	G	£1,098.99	14
3054.90X3200G	G	£1,107.52	14
3054.90X3225G	G	£1,116.05	14
3054.90X3250G	G	£1,124.58	14
3054.90X3275G	G	£1,133.11	14
3054.90X3300G	G	£1,141.64	14
3054.90X3325G	G	£1,150.17	14
3054.90X3350G	G	£1,158.70	14
3054.90X3375G	G	£1,167.23	14
3054.90X3400G	G	£1,175.76	14
3054.90X3425G	G	£1,184.29	14
3054.90X34			

An innovative approach to managing space, time and budget



Situated on the banks of the River Irwell, Trinity Island is the latest in a series of residential skyscrapers that are transforming the Manchester skyline. Designed by architectural firm SimpsonHaugh, developer Renaker is building two towers of 55 and 60 storeys, containing 483 and 532 high-end apartments respectively, which will use a bespoke water supply infrastructure provided by Polypipe Building Services.

CASE STUDY

Project

Water supply system installation within Towers D1 and D2 Trinity Island Development

Client

MWA Ecosystems on behalf of Renaker.

Application

Water supply system.

Products

MecFlow Fusion water supply system including bespoke manifolds and CLICKWELD electrofusion jointing technology.

Early adoption of innovative systems pays dividends.

Mechanical & electrical Plumbing contractor MWA Ecosystems was looking for a water supply system that could handle the scale, complexity and ambitious build programme of this residential skyscraper development – from a supplier that could provide a dependable partnership over the course of the project.

Having previously worked with Polypipe on many drainage systems, MWA became an early adopter of the MecFlow Fusion Supply System and knew it's benefits. Nevertheless, the Trinity Island project needed a highly bespoke supply system, and a holistic solution was needed that delivered several specific advantages.

Gavin Robinson, National Business Development Manager at Polypipe Building Services, said: "There were three major challenges overcome at Trinity Island. Firstly, we had to deliver highly bespoke systems that could feed entire towers without taking up valuable space. Secondly, it was an ambitious schedule. Thirdly we needed to control costs.

"Maintaining consistent water supply pressure in a 600-foot building with 500 apartments, is in itself a challenge - conventionally solved by multiple plant rooms and massive risers.

"Fusion however uses a fibre reinforced multi-layer PP-RCT pipe specifically designed for plantrooms, risers, headers and runouts. It's also got a fire rating of B-s1, d0.

"The MecFlow system was therefore robust enough to handle the high pressures required to get boosted cold water to the top of the towers - without the need for secondary pumps. Fusion is robust, lightweight and adaptable. Which when, used with our custom-designed manifolds, meant our solution needed minimal space."

Two key factors contributed to a rapid install. Polypipe's use of innovative but super-reliable jointing methods, and pre-fabrication.

Andrew Moss, Company Director at MWA Ecosystems, comments:

"Being able to deliver according to tight installation windows helps our work fit in with the overall schedule, and maintain our close working relationship with Renaker, who are a very important customer to us. The MecFlow system undoubtedly helps us do this. Polypipe have been extremely helpful. Their site visits, installer training, and essential technical support mean we can iron out issues as projects progress."



MECFLOW

**SUPPLY
SYSTEMS**

TOUGHEN UP!

Water supply projects can throw up tough challenges, but now MecFlow Press from Polypipe Building Services provides solutions to the widest range of applications.

Specifically engineered for potable, hot & cold plumbing and heating installations, the system is based on a multi-layer composite pipe material comprised of inner and outer layers of polyethylene with a flexible core of butt-welded aluminium.

MecFlow Press is 100% oxygen-tight and uses innovative, flow-optimised fittings - with inspection windows for positive pipe insertion and a leak-before-press test function for ultra-secure joints.

Meeting tough standards doesn't need to be a tough decision - choose MecFlow Press from Polypipe Building Services.

Visit www.polypipe.com/mecflow





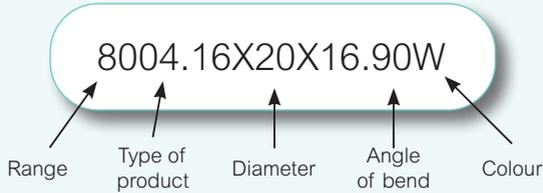
Introduction

MecFlow Press is a complete multi-layer composite piping system, specifically engineered for potable, hot and cold plumbing and heating applications. The system is available in a range of diameters from 16mm to 32mm and is certified to EN ISO 21003 with WRAS approval – ensuring its safety and compliance with UK industry regulations.

The system's high-quality multi-layer composite pipe is comprised of three engineered layers – an inner layer of cross-linked polyethylene (PE-X) with a flexible butt-welded aluminium core, and an outer layer of raised temperature polyethylene (PE-RT). These layers are bonded together using a specially formulated adhesive to create a single, durable product that meets stringent requirements and offers exceptional functionality and durability.

MecFlow Press offers a comprehensive range of fittings, each designed to provide optimal flow rate and flexibility in terms of product application. Innovative design also means that any of risk is greatly reduced, thanks to extra-large inspection windows to ensure correct pipe insertion and a 'leak before press' test function.

A Guide to the MecFlow Press Product Coding System



Range Series

8000 = MecFlow Press

Type of Product

00 = Pipe
 01 = Elbow
 04 = Tee & Tee Reducing
 10 = Coupler
 15 = Threaded Adaptor Female
 16 = Threaded Adaptor Female
 17 = Threaded Adaptor Male
 24 = Reducer
 27 = Adaptor to Metal
 30 = End Cap
 46 = Threaded Adaptor Tee Female
 58 = Threaded Adaptor Union Female
 80 = Manifolds
 81 = Manifold Bracket
 82 = Plug
 83 = Insert, Nut & Olive
 900 = Tooling

Type of Product - Letter

C = Coiled (8000C only)
 C = Compression Fitting (8019C only)
 M = Mini Jaws
 PC = Pre-insulated Pipe
 V = Vented

Thread Sizes

05 = ½" BSP
 075 = ¾" BSP
 1 = 1" BSP
 125 = 1¼" BSP
 15 = 1½" BSP

Diameters

15 = 15mm Metal Pipe
 16 = 16mm Pipe O/D
 20 = 20mm Pipe O/D
 22 = 22mm Metal Pipe
 26 = 26mm Pipe O/D
 28 = 28mm Metal Pipe
 32 = 32mm Pipe O/D

Angle

45 = 45°
 90 = 90°

Colour

Pipe Only:
 B = Blue
 G = Grey
 R = Red
 W = White
 Fittings Only:
 B = Brass
 BW = Brass and White
 G = Grey
 M = Metal
 T = Tooling
 W = White
 Y = Yellow

Code Spacers

"." and "X"
 Used in product codes to split diameter and angle references.



BSI kitemark certified

Products marked in the product listings are:

- Available in .DWG file format. - Available in .RFA and .ADSK file format.

These files are ready to incorporate into design drawings. If you would like the files in the relevant format, simply contact the Advantage Team on 01622 795200 or email commercialenquiries@polypipe.com.

MecFlow Supply Systems - 8000 Press

	Size mm	Angle	Col	Pack/ Box	Code	Price Each
NEW Sanitary Hot & Cold Manifolds						
	2 Port/¾"	⌘	M	1	8080.02X075	£52.53
	3 Port/¾"	⌘	M	1	8080.03X075	£73.47
	4 Port/¾"	⌘	M	1	8080.04X075	£94.27
	5 Port/¾"	⌘	M	1	8080.05X075	£123.69
NEW Sanitary Manifold Bracket						
	Single Bracket ¾"	⌘	M	1	8081.075.BR	£8.40
NEW Sanitary Manifold Plug						
	Female Plug ¾"	⌘	M	1	8082.075.FP	£5.73
NEW Sanitary Manifold Eurocones						
	Eurocone 16/2	⌘	M	1	8083.16X2.EF	£7.96
	Eurocone 20/2	⌘	M	1	8083.20X2.EF	£8.93
Pipe						
	Plain Ended - Straight					
	16 (5m)	⌘	W	15	8000.16.50W	£33.26
	20 (5m)	⌘	W	10	8000.20.50W	£45.10
	26 (5m)	⌘	W	5	8000.26.50W	£70.04
	32 (5m)	⌘	W	4	8000.32.50W	£92.00
	Plain Ended - Coiled					
	16 (100m)	⌘	W	1	8000C.16.1000W	£497.26
	20 (100m)	⌘	W	1	8000C.20.1000W	£677.10
	26 (50m)	⌘	W	1	8000C.26.500W	£661.36
	32 (50m)	⌘	W	1	8000C.32.500W	£872.88
NEW Plain Ended - Coiled - Pre-Insulated						
	16X06 (50m)	⌘	B	1	8000PC.16.06.50B	£299.11
	16X06 (50m)	⌘	R	1	8000PC.16.06.50R	£299.11
	20X06 (50m)	⌘	B	1	8000PC.20.06.50B	£359.32
	20X06 (50m)	⌘	R	1	8000PC.20.06.50R	£359.32
	16X09 (50m)	⌘	G	1	8000PC.16.09.50G	£361.09
	20X09 (50m)	⌘	G	1	8000PC.20.09.50G	£378.00
	16X13 (50m)	⌘	G	1	8000PC.16.13.50G	£311.09
	20X13 (50m)	⌘	G	1	8000PC.20.13.50G	£388.00
	26X13 (25m)	⌘	G	1	8000PC.26.13.25G	£336.61
	32X13 (25m)	⌘	G	1	8000PC.32.13.25G	£450.99

MecFlow Supply Systems

MecFlow Supply Systems - 8000 Press							Price Each
	Size mm	Angle	Col	Pack/Box	Code		
Coupler							
	Double Socket						
	16		W	10	8010.16W		£8.00
	20		W	10	8010.20W		£8.46
	26		W	5	8010.26W		£13.23
	32		W	5	8010.32W		£16.84
Elbow 45°							
	Double Socket						
	26	45	W	5	8001.26.45W		£19.04
	32	45	W	5	8001.32.45W		£24.23
Elbow 90°							
	Double Socket						
	16	90	W	10	8001.16.90W		£8.75
	20	90	W	10	8001.20.90W		£10.26
	26	90	W	5	8001.26.90W		£16.84
	32	90	W	5	8001.32.90W		£22.68
Equal Tee							
	Triple Socket						
	16	90	W	10	8004.16.90W		£13.23
	20	90	W	10	8004.20.90W		£15.33
	26	90	W	5	8004.26.90W		£22.68
	32	90	W	5	8004.32.90W		£29.94
Reducing Tee							
	Triple Socket (End, Branch, End)						
	16/20/16	90	W	10	8004.16X20X16.90W		£15.33
	20/16/16	90	W	10	8004.20X16X16.90W		£16.10
	20/16/20	90	W	10	8004.20X16X20.90W		£16.10
	20/20/16	90	W	10	8004.20X20X16.90W		£17.55
	20/26/20	90	W	5	8004.20X26X20.90W		£22.68
	26/16/20	90	W	5	8004.26X16X20.90W		£22.68
	26/16/26	90	W	5	8004.26X16X26.90W		£22.68
	26/20/16	90	W	5	8004.26X20X16.90W		£22.00
	26/20/20	90	W	5	8004.26X20X20.90W		£22.68
	26/20/26	90	W	5	8004.26X20X26.90W		£22.68
	26/26/16	90	W	5	8004.26X26X16.90W		£23.42
	26/26/20	90	W	5	8004.26X26X20.90W		£24.23
	32/16/32	90	W	5	8004.32X16X32.90W		£31.49
	32/20/26	90	W	5	8004.32X20X26.90W		£30.78
	32/20/32	90	W	5	8004.32X20X32.90W		£29.94
32/26/26	90	W	5	8004.32X26X26.90W		£34.68	
32/26/32	90	W	5	8004.32X26X32.90W		£30.78	
Reducer							
	Double Socket						
	20/16		W	10	8024.20X16W		£8.13
	26/16		W	5	8024.26X16W		£13.23
	26/20		W	5	8024.26X20W		£14.71
	32/20		W	5	8024.32X20W		£19.04
	32/26		W	5	8024.32X26W		£18.33

MecFlow Supply Systems - 8000 Press

	Size mm	Angle	Col	Pack/ Box	Code	Price Each	
Adaptor to Metal							
Adaptor to Copper, Carbon Steel or Stainless Steel							
	16/15	⌘	B	10	8027.16X15B	£13.10	
	20/22	⌘	B	10	8027.20X22B	£17.78	
	26/22	⌘	B	5	8027.26X22B	£28.78	
	32/28	⌘	B	5	8027.32X28B	£27.46	
Threaded Adaptor							
Threaded Adaptor Male							
	16/1/2"	⌘	B	10	8017.16X05B	£11.07	
	20/1/2"	⌘	B	10	8017.20X075B	£16.88	
	20/1"	⌘	B	10	8017.20X1B	£30.26	
	26/1/2"	⌘	B	5	8017.26X075B	£22.42	
	26/1"	⌘	B	5	8017.26X1B	£27.88	
	32/1"	⌘	B	5	8017.32X1B	£29.55	
	32/1 1/4"	⌘	B	5	8017.32X125B	£38.94	
	16/1/2"	⌘	W	10	8017.16X05W	£7.20	
	16/1/2"	⌘	W	10	8017.16X075W	£13.75	
	20/1/2"	⌘	W	10	8017.20X05W	£9.36	
	20/1/2"	⌘	W	10	8017.20X075W	£11.23	
Threaded Adaptor Female							
	16/1/2"	⌘	B	10	8016.16X05B	£16.78	
	20/1/2"	⌘	B	10	8016.20X05B	£19.07	
	20/1/2"	⌘	B	10	8016.20X075B	£18.59	
	26/1/2"	⌘	B	5	8016.26X075B	£27.10	
	26/1"	⌘	B	5	8016.26X1B	£32.20	
	32/1"	⌘	B	5	8016.32X1B	£40.62	
	32/1 1/4"	⌘	B	5	8016.32X125B	£84.52	
Threaded Adaptor - Elbow, Male							
	16/1/2"	90	⌘	BW	10	8017.16X05.90BW	£16.88
	20/1/2"	90	⌘	BW	10	8017.20X05.90BW	£29.55
	20/1/2"	90	⌘	BW	10	8017.20X075.90BW	£33.00
	26/1/2"	90	⌘	BW	5	8017.26X075.90BW	£42.42
	32/1"	90	⌘	BW	5	8017.32X1.90BW	£51.55
Threaded Adaptor - Elbow, Female							
	16/1/2"	90	⌘	BW	10	8016.16X05.90BW	£16.88
	20/1/2"	90	⌘	BW	10	8016.20X05.90BW	£25.36
	20/1/2"	90	⌘	BW	10	8016.20X075.90BW	£28.13
	26/1/2"	90	⌘	BW	5	8016.26X075.90BW	£33.88
	32/1"	90	⌘	BW	5	8016.32X1.90BW	£54.91

MecFlow Supply Systems

MecFlow Supply Systems - 8000 Press

	Size mm	Angle	Col	Pack/ Box	Code	Price Each	
Threaded Adaptor							
Threaded Adaptor - Tee, Female							
	16/1/2"	90		BW	10	8046.16X05X16.90BW	£32.20
	20/1/2"	90		BW	10	8046.20X05X20.90BW	£37.26
	20/3/4"	90		BW	10	8046.20X075X20.90BW	£46.13
	26/1/2"	90		BW	5	8046.26X05X26.90BW	£43.88
	26/3/4"	90		BW	5	8046.26X075X26.90BW	£47.36
	32/1/2"	90		BW	5	8046.32X05X32.90BW	£59.20
	32/3/4"	90		BW	5	8046.32X075X32.90BW	£59.20
	32/1"	90		BW	5	8046.32X1X32.90BW	£63.49
Threaded Adaptor - Transition Coupling							
	16/1/2"			BW	10	8058.16X05BW	£16.88
	16/3/4"			BW	10	8058.16X075BW	£16.88
	20/3/4"			BW	10	8058.20X075BW	£19.46
	20/1"			BW	10	8058.20X1BW	£23.75
	26/3/4"			BW	5	8058.26X075BW	£42.42
	26/1"			BW	5	8058.26X1BW	£28.78
	26/1 1/4"			BW	5	8058.26X125BW	£33.88
	26/1 1/2"			BW	5	8058.26X15BW	£50.68
	32/1"			BW	5	8058.32X1BW	£52.36
	32/1 1/4"			BW	5	8058.32X125BW	£53.94
32/1 1/2"			BW	5	8058.32X15BW	£69.78	
Threaded Adaptor - Transition Coupling Elbow							
	16/1/2"	90		BW	10	8058.16X05.90BW	£42.65
	16/3/4"	90		BW	10	8058.16X075.90BW	£43.07
	20/3/4"	90		BW	10	8058.20X075.90BW	£47.46
	26/1"	90		BW	5	8058.26X1.90BW	£91.55
Threaded Adaptor - Wall Mount Elbow, 32mm offset							
	16/1/2"	90		BW	10	8015.16X05.35.90BW	£30.42
	20/1/2"	90		BW	10	8015.20X05.35.90BW	£46.52
	20/3/4"	90		BW	10	8015.20X075.35.90BW	£38.07
	26/3/4"	90		BW	5	8015.26X075.35.90BW	£56.65
End Cap							
Single Socket							
	16			W	10	8030.16W	£7.33
	20			W	10	8030.20W	£8.75
	26			W	5	8030.26W	£13.91
	32			W	5	8030.32W	£15.71
Radiator Connector							
Single Socket							
	16	90		W	2	8001R.16.90W	£33.88
	16	90		W	2	8004R.16.90W	£52.88

MecFlow Supply Systems - 8000 Press

	Size mm	Angle	Col	Pack/ Box	Code	Price Each
Tooling						
	Jaws - F Contour					
	16			1	8990.16T	£567.04
	20			1	8990.20T	£567.04
	26			1	8990.26T	£567.04
	Jaws Mini - F Contour					
	16			1	8990M.16T	£581.36
	20			1	8990M.20T	£581.36
	26			1	8990M.26T	£590.78
	Deburring Tool					
	NEW 16-20			1	8980.16X20G	
	16-32			1	8980.16X32T	£271.30
	Bending Springs					
	16			1	8970.16T	£71.81
	20			1	8970.20T	£86.04
	Cutters					
	NEW 16-20			1	8950.16X20G	£39.21
	16-32			1	8950.16X32G	£330.78
	Test Plugs					
	16			1	8960.16T	£32.13
	20			1	8960.20T	£35.71
	Test Plugs - Including Vent					
	26			1	8960V.26T	£165.04
	32			1	8960V.32T	£170.59
Note: Pressing contours for all MecFlow Press: F / TH						

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Code	Colour	Price	Page
MecFlow Press Fittings			
8000.16.50W	W	£33.26	22
8000.20.50W	W	£45.10	22
8000.26.50W	W	£70.04	22
8000.32.50W	W	£92.00	22
8000C.16.1000W	W	£497.26	22
8000C.20.1000W	W	£677.10	22
8000C.26.500W	W	£961.36	22
8000C.32.500W	W	£972.88	22
8001.16.90W	W	£5.75	22
8001.20.90W	W	£10.26	22
8001.26.45W	W	£19.04	22
8001.26.90W	W	£16.84	22
8001.32.45W	W	£24.23	22
8001.32.90W	W	£22.68	22
8001R.16.30W	W	£33.88	24
8004.16.90W	W	£13.23	22
8004.16X20X16.90W	W	£15.33	22
8004.20.90W	W	£15.33	22
8004.20X16X16.90W	W	£16.10	22
8004.20X16X20.90W	W	£16.10	22
8004.20X20X16.90W	W	£17.55	22
8004.20X26X20.90W	W	£22.68	22
8004.26.90W	W	£22.68	22
8004.26X16X20.90W	W	£22.68	22
8004.26X16X26.90W	W	£22.68	22
8004.26X20X16.90W	W	£22.00	22
8004.26X20X20.90W	W	£22.68	22
8004.26X20X26.90W	W	£22.68	22
8004.26X26X16.90W	W	£23.42	22
8004.26X26X20.90W	W	£24.23	22
8004.32.90W	W	£29.94	22
8004.32X16X32.90W	W	£31.49	22
8004.32X20X26.90W	W	£30.78	22
8004.32X20X32.90W	W	£29.94	22
8004.32X26X26.90W	W	£34.68	22
8004.32X26X32.90W	W	£30.78	22
8004R.16.30W	W	£52.88	24
8010.16W	W	£8.00	22
8010.20W	W	£8.46	22
8010.26W	W	£13.23	22
8010.32W	W	£16.84	22
8015.16X05.35.90BW	BW	£30.42	24
8015.20X05.35.90BW	BW	£46.52	24
8015.20X07.5.90BW	BW	£38.07	24
8015.26X07.5.90BW	BW	£56.65	24
8016.16X05.90BW	BW	£16.88	23
8016.16X05B	B	£16.78	23
8016.20X05.90BW	BW	£25.36	23
8016.20X05B	B	£19.07	23
8016.20X07.5.90BW	BW	£28.13	23
8016.20X075B	B	£18.59	23
8016.26X07.5.90BW	BW	£33.88	23
8016.26X075B	B	£27.10	23
8016.26X1B	B	£32.20	23
8016.32X1.90BW	BW	£54.91	23
8016.32X125B	B	£94.52	23
8016.32X1B	B	£40.62	23
8017.16X05.90BW	BW	£16.88	23
8017.16X05B	B	£11.07	23
8017.16X05W	W	£7.20	23
8017.16X075W	W	£13.75	23
8017.20X05.90BW	BW	£29.55	23

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Code	Colour	Price	Page
8017.20X05W	W	£9.36	23
8017.20X07.5.90BW	BW	£33.00	23
8017.20X075B	B	£16.88	23
8017.20X075W	W	£11.23	23
8017.20X1B	B	£30.26	23
8017.26X07.5.90BW	BW	£42.42	23
8017.26X075B	B	£22.42	23
8017.26X1B	B	£27.88	23
8017.32X1.90BW	BW	£51.55	23
8017.32X125B	B	£38.94	23
8017.32X1B	B	£29.55	23
8024.20X16W	W	£3.13	23
8024.26X16W	W	£13.23	23
8024.26X20W	W	£14.71	23
8024.32X20W	W	£19.04	23
8024.32X26W	W	£18.33	23
8027.16X15B	B	£13.10	23
8027.20X22B	B	£17.78	23
8027.26X22B	B	£26.78	23
8027.32X28B	B	£27.46	23
8030.16W	W	£7.33	24
8030.20W	W	£8.75	24
8030.26W	W	£13.91	24
8030.32W	W	£15.71	24
8046.16X05X16.90BW	BW	£32.20	24
8046.20X05X20.90BW	BW	£37.26	24
8046.20X075X20.90BW	BW	£46.13	24
8046.26X05X26.90BW	BW	£43.88	24
8046.26X075X26.90BW	BW	£47.36	24
8046.32X05X32.90BW	BW	£59.20	24
8046.32X075X32.90BW	BW	£59.20	24
8046.32X1X32.90BW	BW	£63.49	24
8058.16X05.90BW	BW	£42.65	24
8058.16X05BW	BW	£16.88	24
8058.16X07.5.90BW	BW	£43.07	24
8058.16X075BW	BW	£16.88	24
8058.20X07.5.90BW	BW	£47.46	24
8058.20X075BW	BW	£19.46	24
8058.20X1BW	BW	£23.75	24
8058.26X075BW	BW	£42.42	24
8058.26X1.90BW	BW	£91.55	24
8058.26X125BW	BW	£33.88	24
8058.26X16BW	BW	£50.68	24
8058.26X1BW	BW	£28.78	24
8058.32X125BW	BW	£53.94	24
8058.32X15BW	BW	£69.78	24
8058.32X18BW	BW	£52.36	24
8950.16X32S		£330.78	25
8960.16T		£32.13	25
8960.20T		£35.71	25
8960V.26T		£165.04	25
8960V.32T		£170.59	25
8970.16T		£71.81	25
8970.20T		£86.04	25
8980.16X32T		£271.30	25
8990.16T		£567.04	25
8990.20T		£567.04	25
8990.26T		£567.04	25
8990.32T		£638.07	25
8990M.16T		£581.36	25
8990M.20T		£581.36	25
8990M.26T		£590.78	25
8990M.32T		£639.42	25

Rebels wanted



Take a stand against convention and join the Advantage Rebellion, where things get a bit radical. Our complete drainage and water supply systems are designed and pre-fabricated off-site, reducing system install costs by as much as 30%, installation time by up to 60% and on-site fabrication waste by as much as 100%. Fully customised solutions that are quality assured, pre-tested and delivered to site ready for immediate installation. **Joining the Advantage Rebellion could be the most sensible thing you ever do.**

Find out more at www.polypipe.com/polypipeadvantage



Introduction

Having pioneered the development of solvent-welded systems, Terrain Soil & Waste products represent the industry benchmark for quality, installation flexibility and product innovation backed by the highest levels of customer service.

Terrain drainage systems include an extensive range of soil and waste drainage products for high-rise residential, hotels, hospitals, schools and public sector developments, all built on the strength of the Terrain brand.

Systems include solvent-welded and push-fit options for both soil and waste drainage, overflow and trap systems and a comprehensive range of adaptors and accessories – all available in a range of colours.

Terrain PVC Pipe is now also available manufactured with 65% recycled content – combining performance with sustainability.

- Industry leading range of solvent and push-fit soil and waste solutions.
- Unique products offer unrivalled installation options.
- Adaptable to our Terrain FUZE and Terrain Q systems.
- Includes a number of unique UK fittings making it versatile for a number of applications.

100-Solvent Terrain Soil System

PVCu soil pipes and fittings

- 82, 110 and 160mm integrated systems
- Wide range of bends, branches and access fittings to meet all application requirements
- Great problem solving products in the range

100P-PushFit Terrain Soil System

PVCu soil pipes and fittings for push-fit jointing

- 82, 110, 160mm integrated systems
- Saves time and labour costs

200-Solvent Terrain Waste System

Solvent-welded MuPVC system

- 32, 40 and 50mm integrated systems
- Wide range of bends and adaptors
- Integrated floor gullies

400-Traps Terrain Waste System

Push-fit polypropylene system

- 32 and 40mm integrated systems
- Quick and easy to install
- Saves time and labour costs

300-PushFit Terrain Traps

Polypropylene traps

- 32 and 40mm polypropylene traps
- Range includes self resealing bottle traps
- All traps have universal compression outlets which, in addition to all Terrain waste pipes, will accept other MuPVC waste pipe

500-Overflow Terrain Overflow System

Solvent-welded PVCu system for cold, non-pressure water

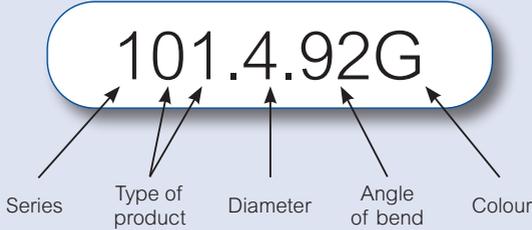
- 19mm PVCu pipe and fittings
- Range of tank connectors

600-Solvent Terrain Waste System

Solvent-welded ABS system

- 32, 40 and 50mm integrated systems
- Wide range of bends and adaptors

A Guide to the Terrain PVC Drainage Product Coding System



Above Ground Drainage

Series

100 = PVCu Solvent Weld Soil
100P = PVCu Push-fit Soil
200 = MuPVC Solvent Weld Waste
300 = PP Push-fit Waste
400 = PP Traps
500 = PVCu Overflow
600 = ABS Waste
700P = PP Terrain Q
900 = HDPE FUZE

Diameter

1.25 = 1¼" or 32mm N/D waste
1.5 = 1½" or 40mm N/D waste
2 = 2" or 50mm N/D waste
3 = 3" or 82mm O/D soil
4 = 4" or 110mm O/D soil
6 = 6" or 160mm O/D soil

Type of Product

100 = Pipe
101 = Bend (Double Socket)
104 = Branch
106 = Corner Branches
107 = Bend (Spigot Socket)
110/111 = Couplings
13x = Access Fittings

Colour

G - Grey - RAL 7023
B - Black - RAL 9005
W - White - RAL 9010

Products marked in the product listings are:

 - Available in .DWG file format.

 - Available in .RFA and .ADSK file format.

These files are ready to incorporate into design drawings. If you would like the files in the relevant format, simply contact the Advantage Team on 01622 795200 or email commercialenquiries@polypipe.com.



BSI kitemark certified

Soil Systems - 100 Solvent



Size mm	Angle	Col	Pack/Box	Code	Price Each
Soil pipe					
Plain ended.					
82 (3m)		GBW	2/88	100.3.30	£136.98
82 (4m)		GBW	2/88	100.3.40	£179.39
110 (3m)		GBW	2/48	100.4.30	£133.25
110 (4m)		GBW	2/48	100.4.40	£177.59
160 (3m)		G	1/33	100.6.30	£362.99
160 (4m)		G	1/33	100.6.40	£474.44

110mm and 160mm Grey pipe now with up to 65% recycled content

Ring seal adaptor



Converts Terrain solvent socket to a ring seal expansion socket. Note: Requires solventing

82		GB	10/120	109.3	£15.38
110		GBW	10/80	109.4	£14.36
160		G	5/60	109.6	£40.59

Straight coupler double socket



Double solvent socket.

82		GBW	5/85	110.3	£23.72
110		GBW	5/60	110.4	£28.84
160		G	10	110.6	£85.60

Expansion coupler



To allow expansion in longer pipe runs. Installation guide is in the technical manual.

82		GBW	5/65	111.3	£36.28
110		GBW	10	111.4	£35.24
160		G	5	111.6	£111.71

Slip coupler



Double ring seal socket. No central stop.

82		G	5/30	111.S.3	£75.36
110		GB	5/15	111.S.4	£63.40
160		G	5	111.S.6	£136.96

Swept bend double socket



92° Swept bend double socket

82	92½	GBW	5/40	101.3.92	£59.63
110	92½	GBW	10	101.4.92	£67.78
160	92½	G	2	101.6.92	£177.58

135° Swept bend double socket

82	135	GBW	5/50	101.3.135	£59.63
110	135	GBW	5/30	101.4.135	£67.78
160	135	G	4	101.6.135	£173.68

Swept bend double socket Angle 104°

110	104	G	5/20	101.4.104	£70.60
110	112½	GB	5/20	101.4.112	£70.60

Soil Systems - 100 Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each
Spigot socket bends					
Long tail.					
82	92½	G	5/40	107.3.92	£58.90
110	92½	GBW	10	107.4.92	£65.71
110	135	GBW	15	107.4.135	£73.73

Variable bend - adjustable 0-25°

Spigot/socket					
110	0-25	G	10	101.4.025	£129.63
Double spigot.					
110	0-25	G	10	107.4.025	£130.11

Swept entry equal branch

With boss connections.

104.3.92	2 boss horns				
104.4.92	3 boss horns				
104.4.924	4 boss horns				
104.6.92	5 boss horns				
104.4.104	2 boss horns				

Connect to boss horns using 117 boss adaptors see page 36.

82	92½	GBW	5/25	104.3.92	£83.30
110	92½	GBW	7	104.4.92	£111.21
110	92½	G	5	104.4.924	£111.21
110	104	G	5/10	104.4.104	£113.30
160	92½	G	4	104.6.92	£200.17

Single equal branch

No boss connections. Solvent weld all sockets.

82	135	G	5/25	104.3.135	£83.30
110	135	GBW	6	104.4.135	£93.55
160	135	G	3/54	104.6.135	£382.06

Single branch spigot outlet

With boss connections. 4 boss horns.

110	92½	GB	4	104.104.92	£116.89
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Connect to boss horns using 117 boss adaptors see page 36.

Single equal branch variable boss

3 boss horns. 2 waste sockets.

Spigot outlet.

UNIQUE	110	92½	G	4	104.412.92	£206.89
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Socket outlet

110	92½	G	3	104.422.92	£210.76
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Insert plugs not sold separately.

Connect to boss horns using 117 boss adaptors see page 36.

Soil Systems - 100 Solvent

	Size mm	Angle	Col	Pack/Box	Code	Price Each
Single unequal branch triple socket						
2 boss horns.						
	160/110	92 1/2	☑ ☑ ☑ G	3	104.64.92	£226.00
No waste boss connections.						
	160/110	135	☑ ☑ ☑ G	2	104.64.135	£237.67
Corner branch all socket						
2 boss horns.						
	110	92 1/2	☑ ☑ ☑ G	5	106.490.92	£399.99
UNIQUE Corner boss branch						
2 boss horns. 2 waste sockets.						
Spigot outlet						
	110	92 1/2	G	7	106.490.12	£463.60
Socket outlet						
	110	92 1/2	☑ ☑ ☑ G	3	106.490.22	£463.60
Insert plugs not sold separately.						
Double branch						
4 boss horns. Spigot outlet.						
	110	92 1/2	☑ ☑ ☑ G	2	106.104.92	£226.51
	110	135	G	4	106.104.135*	£226.51
2 boss horns. Socket outlet.						
	110	92 1/2	☑ ☑ ☑ GW	2	106.4.92	£193.76
	110	135	☑ ☑ ☑ G	5	106.4.135*	£236.73
Double unequal branch						
2 boss horns. Socket outlet.						
	160/110	92 1/2	☑ ☑ ☑ G	2	106.64.92	£421.04
Access pipe double socket						
	110		☑ ☑ ☑ GBW	10	138.4	£71.25
	160		☑ ☑ ☑ G	10	138.6*	£277.89
*Cannot be used with 109.6						

Soil Systems - 100 Solvent

	Size mm	Angle	Col	Pack/Box	Code	Price Each
Access pipe spigot outlet						
	110		☑ ☑ ☑ GB	10	139.4	£73.02
	160		☑ ☑ ☑ G	10	139.6*	£114.31
*Cannot be used with 109.6						
Access pipe connector						
2 boss horns.						
	82		☑	GW	12	137.3
	110		☑ ☑	GBW	8	137.4
4 boss horns.						
	110		☑ ☑	GBW	8	137.4
Access bend double socket						
	110	92 1/2	☑ ☑	GB	24	103.4.92
£188.05						
Single access branch triple socket						
4 boss horns.						
	110	92 1/2	☑ ☑	G	6	105.4.92
£156.91						
No boss connections.						
	160	135	G		S105.6.135	£177.24
Pipe access door						
	82		☑ ☑	G	5	135.3
£82.57						
	110		☑ ☑	GB	5/45	135.4
£78.77						
	160		☑ ☑	G	5/50	135.6
£144.88						
Access cap						
	82		☑ ☑ ☑ GB	5/70	136.3	£56.16
	110		☑ ☑ ☑ GBW	5/30	136.4	£64.31
	160		☑ ☑ ☑ G	5/35	136.6	£127.33
Note: Can be solvent welded to either pipe spigot or socket						
Access door with test nipple						
Standard oval access door with 1/4" test nipple for manometer connection. Can be used on 139.4, 139P.4, 138.4, 137.4, 105.4.92 & 105P.4.92						
	110		G	50	6592/DVW*	£99.21
*Fabricated item.						
Spare access door						
Spare door for 139.4, 139P.4, 138.4, 137.4, 105.4.92 & 105P.4.92						
	110		G	1	137.4.502	£29.72

Soil Systems - 100 Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each
Thermal movement limiter					
To support horizontal long run. Galvanized 13 S.W.G Mild Steel					
82		Self	20	190.3	£119.63
110		Self	5/15	190.4	£126.50
160		Self	5	190.6	£206.32
Intermediate support bracket					
To support horizontal pipework. Galvanized 13 S.W.G Mild Steel					
82		Self	30	191.3	£60.89
110		Self	20	191.4	£64.30
160		Self	10	191.6	£88.55
Two piece pipe bracket					
Galvanised steel. Galvanized 13 S.W.G Mild Steel					
82		Self	10/40	140.3	£19.28
110		Self	10/30	140.4	£19.50
160		Self	5/25	140.6	£48.22
One piece pipe bracket					
Can be used as an anchor or intermediate support bracket.					
82			GBW	10/150	143.3
110			GBW	10/80	143.4
Adjustable pipe bracket plastic coated					
Self coloured backplate.					
110			BW	1/30	144.4
Weathering apron					
Makes weathertight cover between soil pipe and lead slate at roof level.					
For lead slates.					
82			GB	60	131.3
110			GBW	5/90	131.4
For asphalt upstand.					
82		G	5/40	131.3.200	£73.80
110		G	30	131.4.200	£70.43
Weathering slates					
Makes weathertight cover between soil pipe and lead slate at roof level.					
Colours: Base - Aluminium. Cone - Black rubber					
For flat roof					
82 to 110			Alu/B	20	149.16.00
£203.26					

Soil Systems - 100 Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each
Vent Cowl					
82			G	5/120	150.3
110			GBW	5/180	150.4
160			G	5/65	150.6
Duct cowl					
Stops rainwater from entering ventilation ducts.					
110			GB	14	152.4
160		G	12	152.6	£75.57
Automatic air admittance valve					
Allows air to enter soil system, protecting water seals in traps from effects of negative pressure. A1 rated, manufactured to BS EN 12380					
82			W	1/18	153.3
110			W	1/18	153.4
Pushfit Socket outlet					
Two part waste boss solvent socket					
32mm waste socket					
110/32		G	5/200	112.4.125	£32.39
40mm waste socket					
82/40		G	5/150	112.3.15	£33.32
110/40		G	5/150	112.4.15	£32.39
50mm waste socket					
110/50		G	5/100	112.4.2	£32.86
160/50		G	5	112.6.2	£47.11
Socket plug					
For use with 117 boss horn					
110		G	5/50	130.4	£40.71
160		G	5/35	130.6	£78.33
Self locking boss seal ring socket					
Installation guide is in the technical manual.					
For 32mm waste pipe.					
110/32			G	10/130	122.4.125
For 40mm waste pipe					
110/40			G	10/100	122.4.15
Single bossed pipe connector double socket					
32mm waste socket					
110/32			GBW	5/30	120.4.125
40mm waste socket					
110/40			GBW	5/30	120.4.15
50mm waste socket					
110/50			GBW	5/30	123.4*
*Requires 117 boss horn. For 50mm use 117.2					
£25.58					

Soil Systems - 100 Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each
Single bossed pipe connector socket/spigot					
Spigot outlet. For 40mm waste socket.					
110/40		G	5/30	120.412.15	£24.01
					
Double bossed pipe connector double socket					
2 50mm waste sockets. 2 blanking plugs.					
For 50mm waste pipes (40mm with adaptor).					
82/50		G	5/30	120.3.2	£51.15
Insert plugs not sold separately.					
					
Triple bossed pipe connector double socket					
For 40mm waste pipe. 1 blank plug. That reduces to 32mm socket.					
110/40		G	5/25	121.4.15	£40.20
Insert plug not sold separately.					
					
Four way boss double socket					
2x boss horns, 2x waste sockets. Socket outlet.					
110		GB	9	120.4.2	£39.40
160		G	4	120.6.2	£128.64
					
Four way boss pipe solvent socket/spigot					
2x boss horns, 2x waste sockets. Spigot outlet.					
110		G	5/15	120.412.2	£40.20
					
UNIQUE Universal soil manifold					
For Solvent waste connections					
For connection of BS 5255 40mm waste pipes at floor level. Incorporates 4 inlets to accept 40mm waste pipes without need for adaptors. Use with Swivel Elbow or Swept Bend.					
For push-fit version see page 39.					
110		G	5	119.412.15	£123.86
					
Reducer spigot/socket					
82/50		G	5/90	124.3.2	£36.08
110/50		GBW	5/60	124.4.2	£43.74
110/82		GBW	5/60	124.4.3	£45.10
160/110		G	5/45	124.6.4	£96.09
					

Soil Systems - 100 Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each
Straight boss adaptor ring seal socket					
For 32mm waste pipe. For use on 58mm boss horn.					
58/32		GBW	10/180	117.125	£12.69
					
For 40mm waste pipe. For use on 58mm boss horn.					
58/40		GBW	5/160	117.15	£12.69
					
For 50mm waste pipe. For use on 58mm boss horn.					
58/50		GBW	5	117.2	£18.06
Requires seal 9132, found on page 48.					
					
Boss adaptor bend solvent socket					
For 40mm waste pipe. For use on 58mm boss horn. Requires an additional seal: 9132, found on page 48.					
58/40	90	GW	10/130	117.15.90	£18.90
					
For 50mm waste pipe. For use on 58mm boss horn.					
58/50	90	GW	10/190	117.2.90	£22.67
58/50	150	G	10/120	117.2.150	£20.59
					
Adaptor to underground drain					
Push-fit into bore of underground pipe. External use only. Material EN681 rubber.					
110/82		B	5/50	4DW3	£59.30
					
Adaptor to underground drain pipe					
Push-fit connection into pipes with nominal 100mm bore. External use only.					
32/40/50		B	5/60	4DW200	£58.02
					
Note: As a Terrain Underground product different discount structure applies.					
					
Adaptor saddles					
Used with 117 Waste Adaptors to enable direct connection of 32mm, 40mm and 50mm waste pipe to soil pipe. Requires a 57mm holesaw					
110/40		G	5	115P.4	£27.16
					
PVCu caulking bush					
To connect soil pipe to sockets of other material.					
110		G	5/15	132.4	£56.43
					

Soil Systems - 100P Push-fit



Size mm	Angle	Col	Pack/Box	Code	Price Each
Soil pipe single socket ended					
82 (3m)	▽	G	1/88	100P.3.30	£121.24
82 (4m)	▽	G	1/88	100P.3.40	£164.26
110 (3m)	▽	GB	2/67	100P.4.30	£119.70
110 (4m)	▽	G	2/67	100P.4.40	£160.80
160 (3m)	▽	G	1/33	100P.6.30	£334.30
160 (4m)	▽	G	1/33	100P.6.40	£445.90

110mm and 160mm Grey pipe now with up to 65% recycled content

Slip coupler double socket

No central stop.

110		G	5/40	111.SP4	£50.23
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Straight coupler double socket

With central stop.

82	▽	G	10/30	110P.3	£47.59
110	▽	GB	5/40	110P.4	£40.32
160	▽	G	5	110P.6	£100.25

Pipe end socket spigot/socket

82	▽	G	10/60	111P.3	£26.48
110	▽	GB	20	111P.4	£28.20
160	▽	G	5/15	111P.6	£92.35

Swept bend spigot/socket

92° Swept bend spigot/socket:

82	92½	▽	G	5/25	101P.3.92	£59.15
110	92½	▽	GB	10	101P.4.92	£60.58
160	92½	▽	G	4	101P.6.92	£194.73

112° Swept bend spigot/socket:

110	112½	▽	G	10	101P.4.112	£70.46
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135° Swept bend spigot/socket:

82	135	▽	G	5/40	107P.3.135	£52.02
110	135	▽	GB	15	107P.4.135	£61.19
160	135	▽	G	8	107P.6.135	£184.41

Tight radius bend spigot/socket

110	92½	▽	G	10	107P.4.92	£62.50
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UNIQUE

2 Part variable bend

110	20-87½		G	1/8	107P.4.VAR	£119.00
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Soil Systems - 100P Push-fit

Size mm	Angle	Col	Pack/Box	Code	Price Each
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Double socket bend



110	92½	G	5/15	101D.4.92	£74.58
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Single branch spigot outlet

With boss connections.

2 boss horns.



82	92½	▽	G	5/15	104P.3.92	£94.61
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5 boss horns.



110	92½		GB	8	104P.4.92	£81.72
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160	92½	▽	G	4	104P.6.92	£225.64
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110	112½		G	5	104P.4.112	£120.17
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Single unequal branch spigot outlet

5 boss horns.



160/110	87½		G	5	104P.64.92	£222.02
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No boss horns.



160/110	135		G	4	104P.64.135	£222.02
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Single equal branch plain

No boss connections.



82	135	▽	G	4/20	104P.3.135	£154.25
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110	135	▽	G	6	104P.4.135	£85.94
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160	135	▽	G	4	104P.6.135	£176.47
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UNIQUE

Corner boss branch

Spigot outlet



110	92½		G	1/6	106E.490.12	£444.69
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Corner branch spigot outlet



110	92½		G	2	106P.490.92	£201.88
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Soil Systems - 100P Push-fit

Size mm	Angle	Col	Pack/Box	Code	Price Each
Single branch socket outlet					
No boss connections.					
	110	135	G	12	104E.4.135 £94.86
Branch socket outlet					
3 boss horns.					
	110	92½	G	9	104E.4.92 £94.52
UNIQUE Single equal branch variable boss					
3 boss horns. 2 50mm waste sockets with blanking plugs.					
	110	92½	G	4	104E.412.92 £211.95
Adjustable bend spigot outlet					
	110	0-25	G	5/25	107P.4.025 £133.17
Double equal branch spigot outlet					
4 boss connections.					
	110	92½	G	2	106P.4.92 £222.65
No boss connections.					
	110	135	G	4	106P.4.135 £222.65
Access pipe and cover single socket					
	82		♥	GB	10 139P.3 £118.51
	110		♥	GB	10 139P.4 £110.68
Access door aperture size: 172 x 130mm diameter – secured by 2 screws.					
	160		♥	G	1/5 139P.6 £234.76

Soil Systems - 100P Push-fit

Size mm	Angle	Col	Pack/Box	Code	Price Each
Access bend single socket					
Access door aperture size: 110 x 80mm diameter – secured by locking mechanism (use self tapping screw for anti-vandal locking).					
	82	92½	G	12	103P.3.92 £232.94
	110	92½	G	10	103P.4.92 £170.47
	160	92½	G	6	103P.6.92 £450.53
Access single equal branch single outlet					
With waste boss connections. 4 boss horns. Access door aperture size: 114 x 80mm diameter – secured by locking mechanism (use self tapping screw for anti-vandal locking).					
	82	92½	G	10	105P.3.92 £213.46
	110	92½	♥	G	4 105P.4.92 £199.52
Access door with test nipple					
Standard oval access door with test nipple for manometer connection.					
	127		G	50	6592/DVW* £99.21
*Fabricated item.					
Spare access door					
Spare door for 139.4, 139P.4, 138.4, 137.4, 105.4.92 & 105P.4.92					
	110		G	1	137.4.502 £29.72
Access Cap					
Spigot outlet.					
	82		♥	G	5/40 136P.3 £48.24
	110		G	24	136P.4 £54.30
	160		G	15	136P.6 £133.81
Strap-on boss					
For 32mm waste pipe.					
	110/32		GB	10/100	112P.4.125 £27.52
For 40mm waste pipe.					
	110/40		GB	10/90	112P.4.15 £27.52
For 50mm waste pipe.					
	110/50		GB	10/80	112P.4.2 £27.85
Straight boss adaptors					
For 32mm waste pipe. Use on 82, 110 & 160mm stacks.					
	82, 110, 160		♥	GBW	10/180 117.125 £12.69
For 40mm waste pipe. Use on 82, 110 & 160mm stacks.					
	82, 110, 160		♥	GBW	5/160 117.15 £12.69
For 50mm waste pipe. Use on 82, 110 & 160mm stacks.					
	82, 110, 160		♥	GBW	5 117.2 £18.06

Soil Systems - 100P Push-fit

Size mm	Angle	Col	Pack/ Box	Code	Price Each
Adaptor saddles					
Used with 117 Waste Adaptors to enable direct connection of 32mm, 40mm and 50mm waste pipe to soil pipe. Requires a 57mm hoesaw.					
110/40		G	5	115P.4	£27.16
Reducers					
82/50	▽	G	5/85	124P.3.2	£44.45
110/50		G	5/60	124P.4.2	£59.00
110/82		G	5/30	124P.4.3	£59.00
160/110	▽	G	5/15	124P.6.4	£89.14
Short bossed pipe					
With boss connection. For use with 117 boss horn, see page 36.					
82	▽	G	5/15	123P.3	£72.41
110		GB	10	123P.4	£33.81
Three way bossed pipe					
1 boss horn, 2 x 40mm waste bosses.					
82		G	5	123P.312	£72.41
Four way boss pipe push-fit socket/spigot					
2 boss horns, 2 waste sockets.					
110	▽	G	5/15	120P.412.2	£43.57
160		G	4	120P.612.2	£142.27
Triple boss collar					
2 boss horns, 1 waste socket. Cannot be used with 109.4					
110/40		G	10/30	120P.4.15	£33.81
Socket Plug					
With boss horn.					
110	▽	G	5/50	130.4	£40.71
160	▽	G	5/35	130.6	£78.33

Soil Systems - 100P Push-fit

Size mm	Angle	Col	Pack/ Box	Code	Price Each
Universal soil manifold					
For Push-fit waste connections. For connection of BS 5254/BS 5255 32mm and 40mm waste pipes at floor level.					
Incorporates 4 inlets to accept 32mm or 40mm waste pipes without need for adaptors. Use with Swivel Elbow or Swept Bend. Complete with 4 sealing gaskets, and 3 removable plugs. Please refer to page 35 for bracketry.					
For solvent version see page 36.					
110		G	5	119P.4.15	£125.72

**NICE & EASY
DOES IT**



Easily a better job, with Terrain Soluble Lubricant or Terrain Silicone Grease.

Ideal for easing ring seals smoothly into position on expansion joints.

See page 48

Waste Systems - 200 Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each
Waste pipe					
Plain ended.					
32 (3m)		GW	5	200.125.30	£29.04
32 (4m)		GBW	5	200.125.40	£38.70
40 (3m)		GW	5	200.15.30	£35.89
40 (4m)		GBW	5	200.15.40	£47.87
50 (3m)		GW	5	200.2.30	£55.20
50 (4m)		GBW	5	200.2.40	£72.19
Seal ring adaptor					
To convert 50mm 207.2 spigot socket bends to expansion fitting.					
50		G	5/250	209.2	£14.43
Straight coupler double socket					
32		GBW	10/350	210.125	£6.04
40		GBW	10/240	210.15	£6.01
50		GBW	10/120	210.2	£10.95
Union double socket					
Threaded union for easy disconnection if required.					
32		G	5/200	211.125	£25.80
40		G	5/125	211.15	£33.74
50		G	5/90	211.2	£38.46
Expansion coupler seal ring and solvent socket					
Installation guide is in the technical manual.					
32		GBW	10/240	225.125	£10.61
40		GBW	10/180	225.15	£13.10
50		GW	5/100	225.2	£17.33
Spigot/socket coupler					
To create a close-coupled expansion joint for all MuPVC fittings.					
32		GBW	5/250	227.125	£10.84
40		GBW	5/180	227.15	£13.30
50		G	5/100	227.2	£17.68

Waste Systems - 200 Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each
Swept bend double socket					
91°, 135° and 165° as standard.					
For 91° swept bend.					
32	91°	GBW	20/220	201.125.91	£6.14
40	91°	GBW	10/140	201.15.91	£6.78
50	91°	GBW	10/70	201.2.91	£12.01
For 135° swept bend					
32	135°	GBW	10/280	201.125.135	£6.14
40	135°	GBW	10/200	201.15.135	£6.78
50	135°	GBW	10/100	201.2.135	£12.01
For 165° swept bend					
32	165°	G	10/320	201.125.165	£9.50
40	165°	G	5/200	201.15.165	£12.28
50	165°	G	5/250	201.2.165	£16.17
Spigot/socket bends					
To change pipe direction in limited-space situations: 92½° and 150° as standard.					
32	92½°	GBW	10/160	207.125.92	£10.05
40	92½°	GBW	10/100	207.15.92	£11.49
50	92½°	GW	5/50	207.2.92	£16.40
32	135°	GBW	10/300	207.125.135	£10.19
40	135°	GBW	10/180	207.15.135	£11.94
50	135°	GW	5/100	207.2.135	£16.69
32	150°	G	10/260	207.125.150	£10.61
40	150°	G	5/200	207.15.150	£12.15
Knuckle bend double socket					
32	91°	GBW	10/280	202.125.91	£5.60
40	91°	GBW	10/180	202.15.91	£6.15
Swept cross all socket					
40	91°	GW	5/105	206.15.91	£25.89
50	91°	GW	5/55	206.2.91	£27.10
50	135°	G	5/55	206.2.135*	£180.67
*Fabricated.					
Swept tee all socket					
91° and 135° as standard.					
32	91°	GBW	10/120	204.125.91	£8.24
40	91°	GBW	10/90	204.15.91	£10.40
50	91°	GBW	5/45	204.2.91	£20.32
32	135°	GW	10/120	204.125.135	£10.06
40	135°	GW	5/80	204.15.135	£13.05
50	135°	GW	5/80	204.2.135	£20.32

Waste Systems - 200 Solvent

	Size mm	Angle	Col	Pack/Box	Code	Price Each
Level invert taper						
	To reduce socket of any standard fitting to accept a smaller size pipe. Larger end spigot and smaller end socket.					
	40/32		GW	5/230	223.15.125	£7.72
	50/32		GW	10/190	223.2.125	£9.54
	50/40		GW	10/160	223.2.15	£9.34
Socket reducer						
	To reduce socket of any standard fitting to accept a smaller size pipe. Larger end spigot and smaller end socket.					
	40/32		GBW	20/640	224.15.125	£6.04
	50/32		GBW	10/350	224.2.125	£8.71
	50/40		GBW	10/350	224.2.15	£10.64
Pipe fixing clip						
	To secure control thermal expansion at regular points along pipework.					
	32		GBW	20/800	240.125	£1.98
	40		GBW	20/700	240.15	£2.28
	50		GBW	20/400	240.2	£3.02
Expansion fitting fixing clip						
	To secure control thermal expansion at regular points along pipework.					
	32		W	10/750	242.125	£2.43
	40		W	10/500	242.15	£2.77
	50		GW	10/300	242.2	£5.86
Access plug						
	To provide weathertight cover over lead slate around 50mm waste pipe penetrating roof.					
	32		GBW	10/260	237.125	£5.60
	40		GBW	10/320	237.15	£5.60
	50		GBW	10/170	237.2	£8.00
Weathering apron						
	To provide weathertight cover over lead slate around 50mm waste pipe penetrating roof.					
	50		G	5/135	231.2	£13.27
Vent cowl						
	Socket outlet.					
	50		GW	5/300	250.2	£15.03

Waste Systems - 200 Solvent

	Size mm	Angle	Col	Pack/Box	Code	Price Each
Automatic air admittance valve						
	Allows air into waste system when negative pressure occurs. Helps prevent syphonage of traps. Spigot outlet.					
	50		W	10/200	253.2	£76.87
Trapped floor gully						
	Under-floor trap (e.g. for shower areas) with 3 sockets to accept 40mm waste pipe. Seal depth: 50mm. Cleaning access via removable baffle with integral gasket to maintain airtight seal.					
	110/82		G	20	281.43	£80.03
	160/110		GT	12	281.64	£81.82
Floor gully inlets						
	Two-part fitting to be set in standard-tiled floor (e.g. in shower areas). Comprises of raising piece with 150mm square top, and snap-in cover.					
	110 PVC		GW	36	282.6	£29.05
	110 SS		Self	36	283.6	£61.26
Sealed gully raising piece						
	Two-part fitting to be set in standard-tiled floor (e.g. in shower areas). Comprises of raising piece with 150mm square top, and screw in cover.					
	110 PVC		GW	36	284.6	£37.03
Adaptor to underground drain pipe						
	Push-fit connection into pipes with nominal 100mm bore. External use only.					
	32/40/50		B	5/60	4DW200	£58.02
Caulking bush						
	For connecting MuPVC waste pipe to 50mm socket of other material. Solvent-weld to pipe.					
	32/40/50		G	10/350	232	£14.98
Reverse nut adaptor						
	For solvent-weld connection of MuPVC waste pipe (or waste fitting) to BSP male threaded fitting or pipe.					
	32/32		W	10/300	218.125	£14.24
	40/40		W	10/250	218.15	£14.02

Waste Systems - 200 Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each
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200 waste female iron

For solvent-weld connection of MuPVC waste pipe or fitting to BSP threaded male pipe or fitting.



Socket and threaded socket

32/32 G 10/270 **212.125** **£10.95**

40/40 G 10/200 **212.15** **£10.95**

50/50 G 5/140 **212.2** **£15.78**



Spigot and threaded socket

32/32 G 5/225 **216.125** **£10.55**

40/40 G 5/190 **216.15** **£12.37**

50/50 G 5/200 **216.2** **£18.00**

200 waste male iron

For solvent-weld connection of MuPVC waste pipe or fitting to BSP threaded female pipe or fitting.



Socket and threaded spigot.

32/32 GW 10/320 **213.125** **£9.35**

40/40 GW 10/240 **213.15** **£10.95**

50/50 GW 5/140 **213.2** **£15.78**



Spigot and threaded socket.

32/32 G 5/300 **217.125** **£10.55**

40/40 G 5/240 **217.15** **£12.37**

50/50 GW 5/160 **217.2** **£16.95**



For joints that stay joined.

Terrain Liquid Weld – Low VOC solvent for joining PVCu, MuPVC, ABS pipes and fittings.

See page 48

Waste Systems - 300 Push-fit

Size mm	Angle	Col	Pack/Box	Code	Price Each
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Waste pipe

Plain-ended.

32 (3m) W 10 **300.125.30** **£15.89**

40 (3m) W 10 **300.15.30** **£19.71**



Straight coupler double socket

32 W 10/350 **310.125** **£5.14**

40 W 10/300 **310.15** **£5.05**



Swept bend double socket

32 91¼ W 10/240 **301.125.91** **£5.05**

40 91¼ W 10/200 **301.15.91** **£5.64**



Swept bend double socket

32 135 W 10/300 **301.125.135** **£5.14**

40 135 W 10/280 **301.15.135** **£5.05**



Knuckle bend double socket

32 90 W 10/160 **302.125.90** **£5.05**

40 90 W 10/220 **302.15.90** **£5.05**



Swivel elbow bend socket/spigot

32 90 W 10/170 **307.125.90** **£5.14**

40 90 W 10/110 **307.15.90** **£5.14**



Swept tee

32 91¼ W 10/160 **304.125.91** **£5.65**

40 91¼ W 5/120 **304.15.91** **£5.65**



Waste Systems - 300 Push-fit

Size mm	Angle	Col	Pack/Box	Code	Price Each
Socket reducer					
To reduce waste socket to accept smaller diameter waste pipe.					
40/32		W	10/400	323.15.125	£5.52
					
Pipe and fitting clip					
32		W	20/800	340.125	£1.75
40		W	20/600	340.15	£1.75
					
Tank connector					
For connecting push-fit polypropylene pipe to water tank. Supplied with 2 sealing washers.					
32		W	10/150	311.125	£5.14
40		W	10/300	311.15	£5.14
					
Compression reducer					
40-38		W	100	PS38	£6.78
32mm seal for PS38				PRD100	£1.64
40mm seal for PS38				PRD101	£1.64
					

Waste Systems - 600 ABS Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each
Waste pipe					
Plain ended.					
32 (3m)		W	5	600.125.30	£26.40
40 (3m)		W	5	600.15.30	£35.21
50 (3m)		W	5	600.2.30	£38.70
					
Straight coupler double socket					
32		W	10	610.125	£5.49
40		W	10	610.15	£5.42
50		W	10	610.2	£9.95
					
Swept bend double socket					
For 91¼° swept bend, 91.25°, 135° and 165° as standard.					
32	91¼	W	20/220	601.125.91	£5.60
40	91¼	W	10/140	601.15.91	£6.15
50	91¼	W	10/70	601.2.91	£10.91
					
Knuckle bend double socket					
32	91¼	W	10/280	602.125.91	£5.07
40	91¼	W	10/180	602.15.91	£5.62
					
Swept bend double socket					
For 135° swept bend.					
32	135	W	10/280	601.125.135	£5.60
40	135	W	10/200	601.15.135	£6.15
50	135	W	10/100	601.2.135	£10.91
					
Spigot/socket bends					
To change pipe direction in limited space situations.					
32	135	W	10/300	607.125.135	£9.29
40	135	W	10/180	607.15.135	£10.84
					



Easily a better job, with Terrain Soluble Lubricant or Terrain Silicone Grease.

Ideal for easing ring seals smoothly into position on expansion joints. **See page 48**

Waste Systems - 600 ABS Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each	
Expansion coupler seal ring and solvent socket						
	32		W	10/250	625.125	£9.65
	40		W	10/180	625.15	£11.90
	50		W	5/100	625.2	£15.74
Access plug						
	32		W	10/350	637.125	£5.07
	40		W	10/320	637.15	£5.07
	50		W	10/180	637.2	£7.27
Swept tee all socket						
	32	91¼	W	10/120	604.125.91	£7.50
	40	91¼	W	10/90	604.15.91	£9.44
	50	91¼	W	5/45	604.2.91	£18.47
Tee all socket						
	32	135	W	10/120	604.125.135	£9.16
	40	135	W	5/80	604.15.135	£11.88
	50	135	W	5/80	604.2.135	£18.47
Swept cross all socket						
	40	91¼	W	5/105	606.15.91	£23.53
	50	91¼	W	5/55	606.2.91	£24.62
Socket reducer						
	40/32		W	20/640	624.15.125	£5.49
	50/32		W	10/350	624.2.125	£8.69
	50/40		W	10/350	624.2.15	£9.67

Waste Systems - 600 ABS Solvent

Size mm	Angle	Col	Pack/Box	Code	Price Each	
Male iron with socket						
For solvent weld connection of PVC waste pipe or fitting to BSP threaded female pipe or fitting.						
	32		W	5/300	617.125	£9.60
	40		W	5/220	617.15	£11.23
	50		W	5/160	617.2	£15.42
Female iron with socket						
For solvent weld connection of PVC waste pipe or fitting to BSP threaded male pipe or fitting.						
	32		W	10/270	612.125	£9.95
	40		W	10/200	612.15	£9.95
	50		W	5/140	612.2	£14.36

LIQUID WELD SOLID JOINTS



Terrain Liquid Weld. For rock-solid joints. Low VOC solvent for jointing PVCu, MuPVC, ABS pipes and fittings.

See page 48.

Overflow Systems - 500 Overflow

	Size mm	Angle	Col	Pack/ Box	Code	Price Each
Waste pipe						
	19 (4m)		W	20	500.75.40	£24.45
Straight coupler double socket						
	19		W	50/1000	510.75	£6.50
Bend double socket						
	19	91½	W	50/750	501.75.91	£7.68
	19	135	W	50/1100	501.75.135	£7.72
Branch						
	19	91½	W	20/900	504.75.91	£8.33
Socket Reducer						
	19/32		W	20/900	524.75	£9.08
Pipe fixing clip - plastic						
	19		W	50/2500	540.75	£2.37
Straight tank connector						
	19		W	10/250	511.75	£10.31
Bent tank connector 90°						
	19	90	W	10/200	502.75.90	£12.21

Overflow Systems - 500 Overflow

	Size mm	Angle	Col	Pack/ Box	Code	Price Each
Female to PVCu connector						
	19		W	10/750	512.75	£11.08
Reverse nut connector						
	19		W	20/300	519.75	£3.14
Tundish						
	19		W	5/100	590.75	£64.16

**CLEAN JOINTS
ARE
HAPPY JOINTS**



Terrain Cleaning fluid – the ideal solution for preparing joints for solvent welding. Leaving them squeaky clean and secure.

See page 48.

Waste Traps - 400

	Size mm	Angle	Col	Pack/Box	Code	Price Each
Bottle trap						
	75mm water seal.					
	32	▽	W	5/60	411.125	£12.67
	40	▽	W	5/60	411.15	£15.54
Bottle trap anti-syphon						
	75mm water seal.					
	32	▽	W	5/60	411AS.125	£17.25
	40	▽	W	5/60	411AS.15	£20.22
Resealing bottle trap						
	75mm water seal.					
	32	▽	W	5/60	415.125	£16.58
	40	▽	W	5/60	415.15	£19.84
Bottle trap - adjustable telescopic						
	75mm water seal.					
	32	▽	W	5/60	411T.125	£15.99
	40	▽	W	5/60	411T.15	£19.11
Bottle trap anti-syphon - adjustable telescopic						
	75mm water seal.					
	32	▽	W	5/60	421AS.125	£20.00
	40	▽	W	5/60	421AS.15	£23.26
Resealing bottle trap - adjustable telescopic						
	75mm water seal.					
	32	▽	W	5/60	421.125	£19.62
	40	▽	W	5/50	421.15	£22.72
Tubular swivel P trap						
	75mm water seal.					
	32		W	5/80	431.125	£10.93
	40	▽	W	5/60	431.15	£13.00
Tubular swivel P trap - adjustable telescopic						
	75mm water seal.					
	32		W	5/80	431T.125	£13.63
	40		W	5/60	431T.15	£15.83
Tubular swivel P trap anti-syphon						
	75mm water seal.					
	32		W	5/80	431AS.125	£15.42
	40	▽	W	5/60	431AS.15	£17.26
Tubular swivel P trap anti-syphon - adjustable telescopic						
	75mm water seal.					
	40	▽	W	5/60	431TAS.15	£18.86
	P to S trap conversion bend					
	To convert tubular P traps to S traps.					
	32		W	10/140	407.125.90	£6.21
	40		W	5/250	407.15.90	£7.00

Waste Traps - 400

	Size mm	Angle	Col	Pack/Box	Code	Price Each
Tubular swivel S trap						
	75mm water seal.					
	32	▽	W	5/60	432.125	£13.25
	40	▽	W	5/40	432.15	£15.78
Running trap						
	75mm water seal.					
	40	▽	W	5/50	445.15	£17.74
	Running trap anti-syphon					
	75mm water seal.					
	32		W	5/60	445AS.125	£21.11
	40		W	5/50	445AS.15	£22.16
Washing machine half trap						
	75mm water seal with adaptor.					
	40	▽	W	5/40	433.15	£21.79
	Washing machine half trap anti-syphon					
	75mm water seal with adaptor.					
	40	▽	W	5/40	433AS.15	£26.79
	Washing machine trap with upstand					
	75mm water seal with 0.6m upstand and 2 clips.					
	40	▽	W	5/130	434.15	£21.35
	Washing machine trap anti-syphon with upstand					
	75mm water seal with 0.6 upstand and 2 clips.					
	40	▽	W	5/10	434AS.15	£24.54
	Low level bath trap					
	38mm water seal.					
	40	▽	W	5/30	457.15	£13.25
	Shower trap with 45° adjustable waste					
	50mm water seal, 70mm grid.					
	40		W	5/50	484.15	£29.18
	40		C/P	5/45	486.15	£32.91
Condensate trap						
	40					
			W	1/30	420.15	£25.63

WC Pan Connectors - 490

	Size mm	Angle	Col	Pack/Box	Code	Price Each	
Straight WC connector fin seal							
	110	▽	W	5/40	499P.4.00	£12.25	
90° WC connector fin seal bend							
	110	90	▽	W	5/15	499P.4.90	£14.57
14° WC connector fin seal spigots							
	110	14	W	5/35	499P.4.104	£12.03	
40mm offset WC connector fin seal							
	110		W	5/30	494P1.4.00	£12.03	
12mm offset WC connector fin seal							
	110		W	5/40	494P2.4.00	£12.03	
Swivel connector 0-30° fin seal							
	Adjustable 0-30°						
	110	0-30	W	5/20	498P.4.030	£31.27	
Swan neck WC connector 90° fin seal							
	110	90	W	5/15	496P.4.90	£26.63	
Long 90° WC connector fin seal							
	225mm leg						
	110	90	W	5/10	491P.4.90	£15.22	

WC Pan Connectors - 490

	Size mm	Angle	Col	Pack/Box	Code	Price Each
90° WC connector with 32mm boss fin seal						
	110	90	W	5/15	495P.4.90	£36.03
Extension 200mm						
	110		W	5/25	493P.00	£11.08
WC manifold connectors fin seal spigot						
When used in conjunction with a branch 104, up to seven WC pans can be connected either side of the soil stack.						
	110	5	W	6	499.4.05	£31.43
	110	14	W	6	499.4.14	£31.43
	110	24	W	5/10	499.4.24	£31.43
	110	34	W	5/10	499.4.34	£31.43
	110	9	W	1	S499.4.09	£73.28
	110	18	W	1	S499.4.18	£73.28
	110	29	W	1	S499.4.29	£73.28
	110	*	W	1	S499.4.X	£73.28
*Customer to specify angle on order						
WC frame manifold bend connectors fin seal spigot						
	110	5	B	5/10	497.35.05	£85.77
	110	34	B	5/10	497.35.34	£85.77
	110	18	B	1/12	F497.35.18	£85.77
	110	29	B	1/12	F497.35.29	£85.77
WC connectors socket outlet						
	110	2½	W	5/50	498.4.02	£19.04
	110	90	W	5/25	498.4.90	£30.79
90° WC turned connector socket outlet						
	110	90	W	5/20	492.4.5	£49.08
WC straight connector socket outlet						
For connecting non BS 5503 WC pans to soil pipes						
	110		W	5/25	495.4.5	£34.32

Accessories

Size mm	Angle	Col	Pack/ Box	Code	Price Each
Toggle bolt					
To clamp 112 and 115 Boss Connectors while solvent-welding.					
		Self	1/50	9115	£104.07
Packing piece					
For use with 140 and 142 Pipe Brackets and 191 Intermediate Support Brackets.					
	160	G	1/100	9104.6	£23.46
Cut to size					
Pipe marking template					
Marking guide for Terrain Soil Systems, access and boss connection.					
	110	Blue	1	9105.500T	£47.32
WC pan seal - soil					
Material: EPDM Rubber in accordance with EN681 rubber. Replacement seal for pan outlet diameter 951/4-121mm.					
	110	B	1/100	9124	£29.14
For use on 102.4.5 and 125.4.5.					
HDPE WC pan connector fin seal					
Adapts standard WC connectors to fit HDPE 110mm. Material: EPDM Rubber in accordance with EN681 rubber.					
	110	B	150	499P.4.908	£8.77
Spare seal rings - soil					
Material: EPDM					
Suitable for:					
– Soil system expansion sockets and soil pipe					
– Use with 126 Adaptors to Cast Iron					
– Soil fittings (as listed).					
	Push-fit Soil (P) range and 4DI600				
	110	B	1	9116.4	£4.70
	Push-fit Soil (P) range				
	160	B	1	9116.6	£12.26
	103/105/109/111/111.S/126/132/137				
	110	B	1	9119.B	£10.21

Accessories

Size mm	Angle	Col	Pack/ Box	Code	Price Each
Spare seal ring - waste					
Material: EPDM					
Suitable for:					
– 200 Waste System Fittings to accept pipe manufactured to BS 5255.					
– Use with boss adaptors (117)					
	Acceptable for:				
– copper pipe to BS 659 and BS 2781.					
	32	B	1	9132.125	£1.63
	40	B	1	9132.15	£1.90
	50	B	1	9132.2	£2.54
Spare manifold insert					
Material: EPDM. Spare insert for 119P.					
	40	B	1	9113	£3.41
Spare manifold plug					
Spare insert for 119P.					
	40	G	1	9114	£3.82
Spare access door					
Spare door for 139.4, 139P.4, 138.4, 137.4, 105.4.92 & 106P.4.92					
	110	G	1	137.4.502	£29.72
Cleaning fluid					
Material: Acetone.					
For cleaning PVCu pipe and fittings before applying Liquid Weld. Screw top caps.					
	250ml		20	9101.250CF	£32.48
Lubricant					
Material: Silicone grease Soluble lubricant.					
For lubricating seal rings on expansion fittings.					
	250ml	Tube (silicone)	10/40	9136.250L	£116.06
	500ml	Tube (soluble)	10/20	9136.500L	£23.97
UNIQUE					
Liquid weld					
Low VOC solvent for solvent jointing of PVCu and ABS pipes and fittings.					
Cap incorporates integral brush.					
	250ml	♥	24	9100.250SW	£47.45
	500ml	♥	12	9100.500SW	£87.66

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100 Solvent			
100.3.30	GBW	£136.98	33
100.3.40	GBW	£179.39	33
100.4.30	GBW	£133.25	33
100.4.40	GBW	£177.59	33
100.6.30	G	£362.99	33
100.6.40	G	£474.44	33
101.3.92	GBW	£59.63	33
101.3.135	GBW	£59.63	33
101.4.025	G	£129.63	33
101.4.92	GBW	£67.78	33
101.4.104	G	£70.60	33
101.4.112	GB	£70.60	33
101.4.135	GBW	£67.78	33
101.8.92	G	£177.58	33
101.8.135	G	£173.68	33
103.5.92	GB	£189.05	33
104.3.92	G	£83.30	33
104.3.135	G	£83.30	33
104.4.92	GBW	£111.21	33
104.4.104	G	£113.30	33
104.4.135	GBW	£93.55	33
104.4.924	G	£111.21	33
104.6.92	G	£200.17	33
104.6.135	G	£382.06	33
104.6.92	G	£226.00	34
104.6.135	G	£237.67	34
104.104.92	GB	£116.89	33
104.412.92	G	£206.89	33
104.422.92	G	£210.76	33
105.4.92	G	£156.91	34
106.4.92	GW	£193.76	34
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106.6.92	G	£421.04	34
106.104.92	G	£226.51	34
106.104.135	G	£226.51	34
106.490.12	G	£463.60	34
106.490.92	G	£463.60	34
107.3.92	G	£58.90	33
107.4.025	G	£130.11	33
107.4.92	GBW	£65.71	33
107.4.135	GBW	£73.73	33
109.3	GB	£15.38	33
109.4	GBW	£14.36	33
109.6	G	£40.59	33
110.3	GBW	£23.72	33
110.4	GBW	£28.84	33
110.6	G	£95.60	33
111.3	GBW	£38.28	33
111.4	GBW	£35.24	33
111.6	G	£111.71	33
111.5.3	G	£75.36	33
111.5.4	GB	£63.40	33
111.5.6	G	£136.96	33
112.3.15	G	£33.32	35
112.4.2	G	£32.86	35
112.4.15	G	£32.39	35
112.4.125	G	£32.39	35
112.6.2	G	£47.11	35
117.2.90	GW	£22.67	36
117.2.150	G	£20.59	36
117.2	GBW	£18.06	36
117.5.90	G	£17.15	36
117.15	GBW	£12.69	36
117.125	GBW	£12.69	36
119.412.15	G	£123.86	36
120.3.2	G	£51.15	36
120.4.2	GB	£39.40	36
120.4.15	GBW	£24.25	35
120.4.125	GBW	£24.25	35
120.6.2	G	£128.64	36
120.412.2	G	£40.20	36
120.412.15	G	£24.01	36
122.4.15	G	£46.01	35
122.4.125	G	£44.04	35
123.4	GBW	£23.89	35
124.3.2	G	£36.08	36
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124.4.3	GBW	£45.10	36
124.6.4	G	£96.09	36
130.6	G	£40.71	35
130.8	G	£78.33	35
131.3.200	GBW	£73.80	35
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135.4	GB	£78.77	34
135.6	G	£144.88	34
136.3	GB	£56.16	34
136.4	GBW	£84.31	34
136.6	G	£127.33	34
137.3	GW	£149.05	34
137.4.502	G	£29.72	34
137.4	GBW	£29.72	34
138.6	G	£277.89	34
139.4	GB	£73.02	34
139.6	G	£114.31	34
140.3	Self	£19.28	35
140.4	Self	£19.50	35
140.6	Self	£48.22	35
143.3	GBW	£13.78	35
143.4	GBW	£12.54	35
144.4	BW	£26.00	35
149.16.00	Alu/B	£203.26	35
150.3	G	£17.20	35
150.4	GBW	£16.48	35
150.6	G	£46.25	35
152.4	GB	£75.37	35
152.6	G	£195.88	35
153.3	W	£197.65	35
153.4	W	£197.65	35
190.3	Self	£119.63	35
190.4	Self	£126.50	35
190.6	Self	£206.32	35
191.3	Self	£60.89	35
191.4	Self	£84.30	35
191.6	Self	£88.55	35
115P4	G	£27.16	36
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6592/DVW	G	£99.21	34
5105.6.135	G	£177.24	34

100P Push-fit

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111SP4	G	£50.23	37
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117.15	GBW	£12.69	38
117.125	GBW	£12.69	38
130.4	G	£40.71	39
130.6	G	£78.33	39
137.4.502	G	£26.12	39
100P.3.40	G	£121.24	37
100P.4.30	G	£164.26	37
100P.4.30	GB	£119.70	37
100P.4.40	G	£160.80	37
100P.6.30	G	£334.30	37
100P.6.40	G	£445.90	37
101P.4.025	G	£74.58	37
101P.9.92	G	£95.15	37
101P.9.92	GB	£80.58	37
101P.4.112	G	£70.46	37
101P.6.92	G	£194.73	37
103P.3.92	G	£232.94	38
103P.4.92	G	£170.47	38
103P.6.92	G	£450.53	38
104E.4.92	G	£94.52	38
104E.4.135	G	£94.86	38
104E.412.92	G	£211.95	38
104P.3.92	G	£94.61	37
104P.3.135	G	£154.25	37
104P.4.92	GB	£81.72	37
104P.4.112	G	£120.17	37
104P.4.135	G	£85.94	37
104P.6.92	G	£225.64	37
104P.6.135	G	£176.47	37
104P.6.92	G	£222.02	37
104P.6.135	G	£222.02	37
105P.3.92	G	£213.46	38
105P.4.92	G	£26.49	37
106E.490.12	G	£444.69	37
106P.4.92	G	£222.65	38
106P.4.135	G	£222.65	38
106P.4.92	G	£201.88	37
106P.4.135	G	£201.88	37
107P.3.135	G	£52.02	37
107P.4.025	G	£133.17	38
107P.4.92	G	£26.49	37
107P.4.135	GB	£61.19	37
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107P.6.135	G	£184.41	37
110P.3	G	£47.59	37
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110P.6	G	£100.25	37
111P.3	G	£26.49	37
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120P.412.2	G	£43.57	39
120P.612.2	G	£142.27	39
123P.3	G	£72.41	39
123P.4	GB	£33.81	39
123P.312	G	£72.41	39
124P.3.2	G	£44.45	39
124P.4.2	G	£59.00	39
124P.4.3	G	£59.00	39
124P.6.4	G	£89.14	39
136P.3	G	£48.24	38
136P.4	G	£54.30	38
136P.6	G	£133.81	38
139P.3	GB	£118.51	38
139P.4	GB	£110.68	38
139P.6	GB	£234.76	38
6592/DVW	G	£99.21	38

200 Solvent

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200.2.30	GW	£55.20	40
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200.15.30	GW	£35.89	40
200.15.40	GBW	£47.87	40
200.125.30	GW	£29.04	40
200.125.40	GBW	£38.70	40
201.2.91	GBW	£12.01	40
201.2.135	GBW	£12.01	40
201.2.165	G	£16.17	40
201.15.91	GBW	£6.78	40
201.15.135	GBW	£6.78	40
201.15.165	G	£12.28	40
201.125.135	GBW	£6.14	40
201.125.165	G	£9.50	40
202.125.91	GBW	£6.15	40
202.125.91	GBW	£5.60	40
202.125.91	GBW	£20.32	40
202.125.91	GBW	£20.32	40
202.125.91	GBW	£10.40	40
202.125.91	GBW	£13.05	40
202.125.91	GBW	£8.24	40
202.125.135	GW	£10.06	40
206.2.91	GW	£27.10	40
206.2.135	G	£180.67	40
206.2.165	GW	£26.19	40
207.2.92	GW	£16.40	40
207.2.135	GW	£16.69	40
207.15.92	GBW	£11.49	40
207.15.135	GBW	£11.94	40
207.15.150	G	£12.15	40
207.125.92	GBW	£10.05	40
207.125.135	GBW	£10.19	40
207.125.150	G	£10.61	40
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210.125	GBW	£6.04	40
211.2	G	£38.46	40
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217.15	G	£12.37	

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Code	Colour	Price	Page
400 Waste Traps			
407.15.90	W	£7.00	46
407.125.90	W	£6.21	46
411.15	W	£15.54	46
411.125	W	£12.67	46
415.15	W	£19.84	46
415.125	W	£15.58	46
420.15	W	£25.63	46
421.15	W	£22.72	46
421.125	W	£19.62	46
431.15	W	£13.00	46
431.125	W	£10.93	46
432.15	W	£15.78	46
432.125	W	£13.25	46
433.15	W	£21.79	46
434.15	W	£21.35	46
445.15	W	£17.74	46
457.15	W	£13.25	46
484.15	W	£29.18	46
486.15	C/P	£32.91	46
411AS.15	W	£20.22	46
411AS.125	W	£17.25	46
411T.15	W	£19.11	46
411T.125	W	£15.99	46
421AS.15	W	£23.26	46
421AS.125	W	£20.00	46
431AS.15	W	£17.26	46
431AS.125	W	£15.42	46
431T.15	W	£16.83	46
431T.125	W	£13.63	46
431TAS.15	W	£18.86	46
433AS.15	W	£26.79	46
434AS.15	W	£24.54	46
445AS.15	W	£22.16	46
445AS.125	W	£21.11	46

490 Pan Connectors

492.4.5	W	£49.08	47
495.4.5	W	£34.32	47
497.35.05	B	£85.77	47
497.35.34	B	£85.77	47
498.4.02	W	£19.04	47
498.4.90	W	£30.79	47
499.4.05	W	£31.43	47
499.4.14	W	£31.43	47
499.4.24	W	£31.43	47
499.4.34	W	£31.43	47
491P.4.90	W	£15.22	47
493P.00	W	£11.08	47
494P1.4.00	W	£12.03	47
494P2.4.00	W	£12.03	47
495P.4.90	W	£36.03	47
496P.4.90	W	£26.63	47
498P.4.030	W	£31.27	47
499P.4.00	W	£12.25	47
499P.4.90	W	£14.57	47
499P.4.104	W	£12.03	47
F497.35.18	B	£85.77	47
F497.35.29	B	£85.77	47
S499.4.09	W	£73.28	47
S499.4.18	W	£73.28	47
S499.4.29	W	£73.28	47
S499.4.X	W	£73.28	47

Accessories

137.4.502	G	£29.72	48
9100.250SW		£47.45	48
9100.500SW		£57.66	48
9101.250CF		£32.48	48
9104.6	G	£23.46	48
9105.500T	Blue	£47.32	48
9113	B	£3.41	48
9114	G	£3.82	48
9115	Self	£104.07	48
9116.4	B	£4.70	48
9116.6	B	£12.26	48
9119.B	B	£10.21	48
9124	B	£29.14	48
9132.2	B	£2.54	48
9132.15	B	£1.90	48
9132.125	B	£1.83	48
9136.250L		£116.06	48
9136.500L		£23.97	48
499P.4.908	B	£8.77	48

A woman wearing a blue hard hat with a name tag that says "HE Simm", safety glasses, and a high-visibility yellow vest over a dark blue jacket. She is holding a large, black, multi-jointed pipe assembly. The background is a blurred industrial setting.

Innovation driven
by experience.

THIS IS OUR TERRAIN

With decades of experience in drainage systems, we're in the best position to develop the right solutions for the future. Working together with our customers to find the most effective drainage systems and meet the latest industry challenges.

Explore our innovative solutions: polypipe.com/this-is-our-terrain

Part of the  **GENUIT**
GROUP

 **Polypipe**
Building Services

Terrain



Introduction

A modern high density polyethylene system with many advantages over cast iron and other traditional systems.

Terrain FUZE is a top-to-bottom solution for all above ground drainage and many chemical waste applications. It allows specifiers and installers to benefit by providing them maximum flexibility in the design process.

Utilising the intrinsic properties of high-density polyethylene, Terrain FUZE offers greater benefits above and beyond more traditional materials and performs significantly better when tested for impact and abrasion resistance, chemical corrosion and extreme temperatures.

The lightweight nature of Terrain FUZE allows the product to be installed quickly and efficiently, giving direct, resource-saving benefits to specifiers and installers.

HDPE offers exceptional performance above and beyond traditional pipe materials including:

- Versatile application
- Highly resistant to impact even at low temperatures
- Highly resistant to chemical agents
- Corrosion resistant
- Abrasion resistant
- Lightweight and easy to install
- Ideal for fabrication through our Polypipe Advantage Service

Innovative Products



Terrain FUZE Swept Entry Branch

The Terrain FUZE 904.110.925B HDPE swept entry branch is engineered as a unique space-saving fitting. It offers 5 bosses which can be easily converted to waste. Using our 927 adapters, it can also connect to other materials. This fitting is ideal for use with our Polypipe Advantage service. See page 60 for further details.



Terrain FUZE Stax

Terrain FUZE Stax is a popular addition to the Terrain FUZE HDPE drainage system. This new range of 2-part fabricated stack configurations is designed to make installing the most common mid-to-high-rise applications simpler, faster and less wasteful. Terrain FUZE Stax has transformed the process of drainage stack installation. See pages 55-56 for further details.



Terrain FUZE Long Radius Bend

The Long Radius Bend is unique to the Terrain FUZE range and does away with the need to use two bends and a pipe length to form a bend at the base of a drainage stack. This new single component replaces unnecessarily complex arrangements, saves space, fitting time and reduces the number of joints. The fitting's smooth centre line radius also allows for an easier and quieter flow. See page 59 for further details.



Terrain FUZE Rotating Access Pipe

The Rotating Access Pipe is another innovative addition to the Terrain FUZE range and is a simple yet completely unique solution to drainage stack access problems. The 360° rotating access door enables quick and easy fitting to face any angle and can be adjusted after installation if structures change around the drainage stack. The slimline, lockable door maintains a smooth internal bore and can always be presented to allow easy access. See page 61 for further details.

TERRAIN

Stax faster with *Terrain FUZE Stax*

A unique, site-ready 2-part drainage stack system for kitchens, utilities and bathrooms.

They remove repetitious cuts and welds needed to create the same 'loose' configurations common in low to high rise buildings, making them simpler and quicker with far less waste.

With different top and bottom sections, stack diameters, vents, and more, available from your distributor, you'll be Stax faster and have more flexibility.

Learn more about how Terrain FUZE Stax complements existing ways to buy the Terrain FUZE range:
polypipe.com/terrain-fuze

***THIS IS OUR
TERRAIN***



**NEW
2-PART
SOLUTION**

Bathrooms

	Size mm	Pack Qty	Code	Price Each
HDPE Bathroom Single Expansion				
	7 Bosses Bottom section, use with an access section (9411).			
	110/110/56	1	9401.11011056B	£191.05
	160/110/56	1	9401.16011056B	£378.24
HDPE Bathroom Single Locked				
	7 Bosses Bottom section, use with an access section (9411).			
	110/110/56	1	9402.11011056B	£151.44
	160/110/56	1	9402.16011056B	£336.16
HDPE Bathroom Double Expansion				
	6 Bosses Bottom section, use with an access section (9411).			
	110/110/56	1	9403.11011056B	£184.91
	160/110/56	1	9403.16011056B	£395.88
HDPE Bathroom Double Locked				
	6 Bosses Bottom section, use with an access section (9411).			
	110/110/56	1	9404.11011056B	£173.91
	160/110/56	1	9404.16011056B	£333.42
HDPE Bathroom Corner Expansion				
	110mm & 160mm = 7 Bosses. Bottom section, use with an access section (9411).			
	110/110/56	1	9405.11011056B	£223.91
	160/110/56	1	9405.16011056B	£394.82
HDPE Bathroom Corner Locked				
	110mm & 160mm = 7 Bosses. Bottom section, use with an access section (9411).			
	110/110/56	1	9406.11011056B	£205.92
	160/110/56	1	9406.16011056B	£336.86

All products labelled **COMING SOON** have Revit files available now.

Kitchens

	Size mm	Pack Qty	Code	Price Each
HDPE Kitchen Expansion				
	75mm = Single Branch, 110mm & 160mm = 4-Way Branch. * Excluding 9407.110563B = 3-Way Branch. Bottom section, use with an access section (9411).			
	75/56	1	9407.7556B	£70.50
	110/56	1	9407.11056B	£99.64
COMING SOON	110/56	1	9407.110563B*	£99.64
	160/56	1	9407.16056B	£209.80
HDPE Kitchen Locked				
	75mm = Single Branch, 110mm & 160mm = 4-Way Branch. * Excluding 9408.110563B = 3-Way Branch. Bottom section, use with an access section (9411).			
	75/56	1	9408.7556B	£59.65
	110/56	1	9408.11056B	£77.43
COMING SOON	110/56	1	9408.110563B*	£77.43
	160/56	1	9408.16056B	£148.64

Utilities

	Size mm	Pack Qty	Code	Price Each
HDPE Utility Expansion				
	75mm = 2 x Single Branch, 110mm & 160mm = 2 x 4-Way Branch. * Excluding 9409.110563B = 2 x 3-Way Branch. Bottom section, use with an access section (9411).			
	75/56	1	9409.7556B	£75.92
	110/56	1	9409.11056B	£152.35
COMING SOON	110/56	1	9409.110563B*	£152.35
	160/56	1	9409.16056B	£393.57
HDPE Utility Locked				
	75mm = 2 x Single Branch, 110mm & 160mm = 2 x 4-Way Branch. * Excluding 9410.110563B = 2 x 3-Way Branch. Bottom section, use with an access section (9411).			
	75/56	1	9410.7556B	£65.07
	110/56	1	9410.11056B	£131.83
COMING SOON	110/56	1	9410.110563B*	£131.83
	160/56	1	9410.16056B	£233.90

Note: 927 ring seal adaptors can be fabricated to all Bathroom, Kitchen & Utility FUZE Stax sections, contact our Advantage team for further information 01622 795200

No Connections

	Size mm	Pack Qty	Code	Price Each
HDPE No Connection				
				
	56	1	9411.56B	£39.69
	75	1	9411.75B	£45.52
	110	1	9411.110B	£61.89
	160	1	9411.160B	£116.36

Access Pipes

Size mm	Pack Qty	Code	Price Each
HDPE Access Pipe			
Top section, use with a bathroom, kitchen or utility section (9401-9408) or within a vent stack. * Slimline door.			
56	1	9412.56B	£68.08
75	1	9412.75B	£80.53
110	1	9412.110B	£120.60
COMING SOON 110	1	9412.110PB*	£139.43
160	1	9412.160B	£277.99

Vents

Size mm	Pack Qty	Code	Price Each
HDPE Terrain P.A.P.A. Horizontal			
For connecting to Terrain P.A.P.A. valve 9300.4 (see p67).			
110/110	4	9413.110110B	£34.34
160/110	3	9413.160110B	£104.76

Size mm	Pack Qty	Code	Price Each
HDPE Terrain P.A.P.A. Vertical			
For connecting to Terrain P.A.P.A. valve 9300.4 (see p67).			
110/110	4	9414.110110B	£48.81
160/110	3	9414.160110B	£107.29

Size mm	Pack Qty	Code	Price Each
HDPE Cross Vent Termination			
110/56	4	9415.11056B	£32.54
110/75	4	9415.11075B	£37.96
110/110	4	9415.110110B	£41.21
160/110	3	9415.160110B	£103.98

Size mm	Pack Qty	Code	Price Each
HDPE Cross Vent			
110/56	4	9416.11056B	£32.54
110/75	4	9416.11075B	£40.13
110/110	4	9416.110110B	£40.74
160/110	3	9416.160110B	£111.15

TERRAIN FUZE HDPE PIPES AND COUPLINGS ARE NOW CERTIFIED TO BS EN 1519



Pipes

Size mm	Pack Qty	Code	Price Each
HDPE Pipe - 3 metre length			
40	50	900.40.30B	£18.62
50	50	900.50.30B	£22.25
56	40	900.56.30B	£25.55
75	30	900.75.30B	£35.27
110	15	900.110.30B	£63.31
160	10	900.160.30B	£151.96

Size mm	Pack Qty	Code	Price Each
HDPE Pipe - 5 metre length			
40	20	900.40.50B	£31.19
50	86	900.50.50B	£37.03
56	98	900.56.50B	£42.49
75	58	900.75.50B	£58.80
110	57	900.110.50B	£105.48
160	10	900.160.50B	£253.23
200	10	900.200.50B	£328.17
250	8	900.250.50B	£526.08
315	6	900.315.50B	£820.37

Electrofusion Couplings

Size mm	Pack Qty	Code	Price Each
HDPE electrofusion couplings			
40	20	910.40B	£9.10
50	16	910.50B	£9.38
56	16	910.56B	£9.00
75	18	910.75B	£13.62
110	10	910.110B	£13.43
160	8	910.160B	£33.70
200	10	910.200B	£234.76
250	55	910.250B	£388.07
315	34	910.315B	£440.17

Ring Seal Couplings

Size mm	Pack Qty	Code	Price Each
HDPE ring seal socket			
With central stop.			
110	1	910P.110B	£93.43
160	5	910P.160B	£337.65
200	1	910P.200B	£429.73
250	1	910P.250B	£644.59
315	1	910P.315B	£890.15

Size mm	Pack Qty	Code	Price Each
HDPE ring seal expansion socket			
Used for expansion.			
40	20	911.40B	£18.42
50	30	911.50B	£18.32
56	30	911.56B	£17.55
75	20	911.75B	£23.28
110	10	911.110B†	£24.94
160	80	911.160B*	£68.04
200	1	911.200B	£314.11
250	1	911.250B*	£435.84
315	8	911.315B*	£788.84

†For Rigid pipe support *without cap.

Ring Seal Couplings

Size mm	Pack Qty	Code	Price Each
HDPE ring seal adaptors with cap			
Installation guide is in the technical manual.			
40	130	927.40B	£7.06
50	80	927.50B	£8.40
56	80	927.56B	£11.39
75	30	927.75B	£13.37
110	20	927.110B	£15.82
160	15	927.160B*	£52.91
200	1	927.200B	£278.79
250	1	927.250B*	£458.80
315	1	927.315B*	£529.44



*without cap. 930.160B cap available for 927.160B.

HDPE sliding connector

Without central stop

110	16	911S.110B	£173.64
160	8	911S.160B	£337.65
200	1	911S.200B	£460.40
250	1	911S.250B	£644.59
315	1	911S.315B	£890.15



HDPE female PVC adaptor with ring seal

110/100	10	925.110100B	£43.01
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UNIQUE

HDPE - PVC ring seal adaptor

40 x 36	5	927.4036B	£13.80
50 x 36	5	927.5036B	£13.85
50 x 43	5	927.5043B	£13.90
56 x 36	5	927.5636B	£13.90
56 x 43	5	927.5643B	£13.94



Material and Sizing Compatibility

FUZE Size (mm) PVC, PP or ABS Size (mm)

927.4036B	40	32
927.5036B	50	32
927.5043B	50	40
927.5636B	56	32
927.5643B	56	40

Ring Seal Adaptor Bends

Size mm	Pack Qty	Code	Price Each
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UNIQUE

HDPE 90° ring seal adaptor bend

COMING SOON 56	1	927.56.90B	£20.22
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UNIQUE

HDPE 135° ring seal adaptor bend

COMING SOON 56	1	927.56.135B	£20.22
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Alignment Funnel

Size mm	Pack Qty	Code	Price Each
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HDPE Alignment Funnel

Allows for ease of insertion between floors

110	6	911E.110B	£180.18
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Rigid Fixings

Size mm	Pack Qty	Code	Price Each
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HDPE rigid fixing

For joining HDPE to HDPE.

110	4	990.110B	£58.11
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For joining HDPE to PVC.

110	4	990.4B	£51.21
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RECOMMENDED

Mechanical Couplings

Size mm	Pack Qty	Code	Price Each
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HDPE mechanical coupling

For joining HDPE to HDPE or HDPE to EN877 Cast Iron.

110	12	9110.110B	£42.62
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160	8	9110.160B	£53.19
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For joining HDPE to BS416 Cast Iron.

110	12	9110.110C	£51.77
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160	8	9110.160C	£96.73
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NOTE: As a Mechanical Coupling product, a different discount structure applies

All products labelled **COMING SOON** have Revit files available now.

911E.110B – 110mm HDPE Alignment Funnel

Ø200 funnel for ease of insertion.

Ring seal connection

Triple Depth Socket to allow thermal expansion

Ø200 spigot can be Butt or Electrofusion welded



- Funnel allows for ease of insertion between floors
- Provides an expansion point on the stack
- Perfect for use with or Advantage service
- Unique UK style fitting

You spoke.



We listened.



We asked you what bugs you about drainage stack projects. You told us that the same problems crop up with annoying regularity.

Plans change, walls and floors move, certain connections are fiddlier than they should be.

We heard you, we felt your pain. And so now the Terrain FUZE range includes unique problem-solving fittings. A long radius bend, a 0- 25° variable bend, a 3 port manifold, ring seal adaptors and a 360° rotating access door.

Unplanned changes, odd shapes and tight spaces are no longer so irritating.

To learn more, just ask. We're all ears.

polypipe.com/this-is-our-terrain

**THIS IS OUR
TERRAIN**

Bends

	Size mm	Pack Qty	Code	Price Each
HDPE 92.5° (87.5°) bend				
	40	200	901.40.92B	£4.17
	50	100	901.50.92B	£5.62
	56	90	901.56.92B	£5.45
	75	40	901.75.92B	£10.19
	110	30	901.110.92B	£15.13
	110	1	901.110.92RB	£64.18
	160	90	901.160.92B	£63.49

	Size mm	Pack Qty	Code	Price Each
HDPE 90° bend				
Butt weld only.				
	200	1	907.200.90B	£232.55
	250	14	907.250.90B	£388.26
	315	1	907.315.90B	£564.75

	Size mm	Pack Qty	Code	Price Each
HDPE extended spigot bend				
Wide radius, and welded.				
	56	20	902.56.90B	£6.62
	110	10	902.110.90B	£21.49

	Size mm	Pack Qty	Code	Price Each
HDPE 112.5° (67.5°) bend				
	110	1	901.110.112B*	£79.47
	160	1	901.160.112B*	£123.23
	200	1	901.200.112B*	£141.33
	250	1	901.250.112B*	£231.76
	315	1	901.315.112B*	£400.37
*Welded				

	Size mm	Pack Qty	Code	Price Each
HDPE 45° bend				
	40	5	901.40.135B	£4.17
	50	5	901.50.135B	£4.19
	56	120	901.56.135B	£4.91
	75	50	901.75.135B	£8.09
	110	24	901.110.135B	£11.58
	160	18	901.160.135B	£49.00
	200	32	901.200.135B*	£135.15
	250	1	901.250.135B*	£219.85
	315	10	901.315.135B*	£304.90
	*Welded			

	Size mm	Pack Qty	Code	Price Each
HDPE 150° (30°) bend				
	110	30	901.110.150B*	£39.12
	160	1	901.160.150B*	£59.76
	200	1	901.200.150B*	£74.17
	250	1	901.250.150B*	£121.45
	315	1	901.315.150B*	£193.13
	*Welded			

	Size mm	Pack Qty	Code	Price Each
HDPE 165° (15°) bend				
	110	30	901.110.165B*	£38.27
	160	1	901.160.165B*	£56.65
	200	1	901.200.165B*	£68.88
	250	1	901.250.165B*	£118.56
	315	1	901.315.165B*	£173.49
*Welded				

	Size mm	Pack Qty	Code	Price Each
UNIQUE HDPE 92.5° (87.5°) long radius bend				
	COMING SOON 110	1	901.110.90RB	£64.18

Bends

	Size mm	Pack Qty	Code	Price Each
UNIQUE HDPE variable bend - adjustable 0-25°				
	COMING SOON 110	1	907.110.025B	£81.89

Branches

	Size mm	Pack Qty	Code	Price Each
HDPE 90° branch				
	40	100	904.40.90B	£8.30
	50	70	904.50.90B	£10.54
	56	40	904.56.90B	£10.54
	75	30	904.75.90B	£12.97
	110	20	904.110.90B	£19.02
	160	8	904.160.90B	£105.85
	200	1	904.200.90B*	£209.95
	250	1	904.250.90B*	£300.03
	315	1	904.315.90B*	£423.55
	*Welded			

	Size mm	Pack Qty	Code	Price Each
HDPE 90° reducing branch				
	50/40	25	904.5040.90B	£10.54
	56/50	25	904.5650.90B	£10.54
	75/40	25	904.7540.90B	£12.97
	75/50	20	904.7550.90B	£12.97
	75/56	30	904.7556.90B	£12.97
	110/40	15	904.11040.90B	£19.02
	110/50	10	904.11050.90B	£19.02
	110/56	10	904.11056.90B	£19.02
	110/75	10	904.11075.90B	£19.02
	160/110	8	904.160110.90B	£105.85
	200/110	1	904.200110.90B*	£209.95
	200/160	1	904.200160.90B*	£209.95
	250/110	1	904.250110.90B*	£300.03
	250/160	1	904.250160.90B*	£300.03
	250/200	1	904.250200.90B*	£300.03
	315/110	1	904.315110.90B*	£352.92
315/160	1	904.315160.90B*	£352.92	
315/200	1	904.315200.90B*	£352.92	
315/250	1	904.315250.90B*	£352.92	
*Welded				

	Size mm	Pack Qty	Code	Price Each
HDPE 45° Y branch				
	40	80	904.40.135B	£10.18
	50	50	904.50.135B	£10.54
	56	40	904.56.135B	£9.98
	75	20	904.75.135B	£12.29
	110	16	904.110.135B	£21.10
	160	45	904.160.135B	£97.38
	200	16	904.200.135B*	£314.11
	250	8	904.250.135B*	£529.44
	315	1	904.315.135B*	£776.51
	*Welded			

Branches

	Size mm	Pack Qty	Code	Price Each
HDPE 45° reducing Y branch				
	50/40	20	904.5040.135B	£10.54
	56/50	20	904.5650.135B	£9.98
	75/40	25	904.7540.135B	£12.29
	75/50	25	904.7550.135B	£12.29
	75/56	25	904.7556.135B	£12.29
	110/40	10	904.11040.135B	£21.10
	110/50	15	904.11050.135B	£21.10
	110/56	15	904.11056.135B	£21.10
	110/75	8	904.11075.135B	£21.10
	160/75	6	904.16075.135B	£131.27
	160/110	7	904.160110.135B	£97.38
	200/75	1	904.20075.135B*	£195.82
	200/110	1	904.200110.135B*	£209.95
	200/160	1	904.200160.135B*	£218.80
	250/110	10	904.250110.135B*	£352.92
250/160	1	904.250160.135B*	£388.26	
250/200	1	904.250200.135B*	£388.26	
315/110	1	904.315110.135B*	£617.69	
315/160	1	904.315160.135B*	£617.69	
315/200	1	904.315200.135B*	£652.94	
315/250	1	904.315250.135B*	£652.94	
*Welded				
HDPE 60° double Y branch				
	50/40	25	906.5040.60B	£12.97
	110/110	10	906.110.60B	£33.49
HDPE 45° double branch				
	110/40	10	906.11040.135B	£30.27
	110/50	10	906.11050.135B	£34.52
	110/110	8	906.110.135B	£38.78
HDPE 92.5° (87.5°) double branch				
	110	6	906.110.92B	£52.83
UNIQUE HDPE 88° swept branch				
	56/56	40	904.56.92B	£18.06
	110/110	18	904.110.92B	£22.98

Branches

	Size mm	Pack Qty	Code	Price Each
UNIQUE HDPE 92.5° (87.5°) swept entry bossed branch				
	5 Bosses. Bosses are butt weld only.			£58.42
	110/110/56	17	904.110.925B	
UNIQUE HDPE 92.5° (87.5°) single boss branch				
	110/56	12	904.11090.12B	£105.99
HDPE 3 way boss branch				
	COMING SOON 110/56	1	921.110.56B	£44.93
HDPE 90° 4 way branch				
	110/56	8	920.110.56B	£60.81
	160/56	15	920.160.56B	£105.85
Note: 920.110.56B has one boss pre-drilled				
UNIQUE HDPE 92.5° (87.5°) corner boss branch				
	110	9	906.11090.12B	£132.56
HDPE 92.5° (87.5°) corner boss branch				
	110	12	906.11090.92B	£79.41
HDPE 92.5° (87.5°) 3 way corner branch				
	110	75	906.11093.92B	£105.99

All products labelled **COMING SOON** have Revit files available now.

Access

	Size mm	Pack Qty	Code	Price Each
HDPE 45° access pipe with screw cap				
	110/110	1	938.110.135B	£60.97
	160/110	1	938.160.135B	£149.32
HDPE short end cap with seal				
	110	10	9938.110B	£13.84
HDPE screwed end cap				
	40	40	936.40B	£12.42
	50	40	936.50B	£12.66
	56	30	936.56B*	£18.44
	75	30	936.75B	£29.60
	110	20	936.110B*	£40.21
	160	10	936.160B*	£102.11
*Includes bung. *Note: cap can also be used for the 938.75.90B				
HDPE end cap with seal				
	56	10	9936.56B	£12.21
	110	20	9936.110B*	£31.10
*Includes bung.				
HDPE short screwed cap				
	Butt weld only.			
	110	15	935.110B	£19.25
HDPE threaded union				
	50	50	9122.50B	£6.11
	56	10	9122.56B	£6.44
	75	15	9122.75B	£10.18
	110	100	9122.110B	£16.29

Access

	Size mm	Pack Qty	Code	Price Each
HDPE nut				
	50	10	9120.50B	£7.35
	56	10	9120.56B	£8.30
	75	10	9120.75B	£13.22
	110	10	9120.110B	£20.26
HDPE threaded coupling				
	40	40	912.40B	£10.80
	50	40	912.50B	£11.69
	56	25	912.56B	£11.69
	75	20	912.75B	£32.76
	110	15	912.110B	£41.92
HDPE 90° access pipe with screw cap				
	50	40	938.50.90B	£41.58
	56	20	938.56.90B	£42.31
	75	30	938.75.90B	£45.84
	110	8	938.110.90B*	£60.61
	UNIQUE 160	54	938.160.90B*	£142.83
	200	1	938.200.90B	£247.04
	250	1	938.250.90B	£317.66
	315	1	938.315.90B	£383.67
* For spare door use 9938.110B *Note: Fittings have 3 Butt weld connections †				
HDPE 90° slimline access pipe				
	COMING SOON 110	1	938.110.90PB	£55.78
UNIQUE HDPE 90° rotating access pipe				
Access door position can be rotated 360° after installation				
	COMING SOON 110	1	930.110.90RB	TBC

All products labelled **COMING SOON** have Revit files available now.

Vent Cows

Size mm	Pack Qty	Code	Price Each
HDPE vent cowl			
Spigot outlet.			
75	120	950.75B	£14.92
110	180	950.110B	£17.51
160	65	950.160B	£24.82



Weathering Aprons

Size mm	Pack Qty	Code	Price Each
HDPE weathering apron			
	13	931.110.200B	£44.50



Reducers

Size mm	Pack Qty	Code	Price Each
HDPE concentric reducer			
50/40	50	924.5040B	£4.65
56/50	150	924.5650B	£5.07
75/40	50	924.7540B	£5.97
75/50	50	924.7550B	£5.97
75/56	50	924.7556B	£5.97
110/40	30	924.11040B	£9.35
110/50	30	924.11050B	£9.35
110/56	60	924.11056B	£9.35
110/75	30	924.11075B	£9.35
160/110	1	924.160110B	£16.61
200/160	1	924.200160B	£105.71



HDPE eccentric reducer

50/40	50	923.5040B	£5.48
56/40	180	923.5640B	£4.38
56/50	30	923.5650B	£5.97
75/40	30	923.7540B	£7.24
75/50	30	923.7550B	£7.24
75/56	45	923.7556B	£7.24
110/40	25	923.11040B	£10.59
110/50	25	923.11050B	£10.59
110/56	25	923.11056B	£10.59
110/75	25	923.11075B	£10.59
160/110	10	923.160110B	£23.30



HDPE long eccentric reducer

160/110	5	923.160110LB	£126.99
200/110	8	923.200110LB	£169.28
200/160	1	923.200160LB	£169.28
250/200	1	923.250200LB	£275.15
315/200	1	923.315200LB	£380.93
315/250	1	923.315250LB	£380.93



Blank Ends

Size mm	Pack Qty	Code	Price Each
HDPE blank end			
Butt weld only			
40	100	930.40B	£5.23
50	250	930.50B	£4.43
56	250	930.56B	£4.43
75	30	930.75B	£4.43
110	40	930.110B	£10.54
160	20	930.160B	£42.34
200	15	930.200B	£59.98
250	1	930.250B	£77.66
315	1	930.315B	£88.25



HDPE long blank end			
Butt weld or Electrofusion			
40	120	930.40LB	£7.06
50	90	930.50LB	£6.00
56	60	930.56LB	£6.00
75	30	930.75LB	£6.00
110	36	930.110LB	£14.25
160	16	930.160LB	£57.17



HDPE flange adapter

50	40	980.50B	£31.70
56	1	980.56B	£31.70
75	1	980.75B	£43.95
110	20	980.110B	£48.56
160	10	980.160B	£82.96
200	4	980.200B	£158.86
250	5	980.250B	£275.28
315	6	980.315B	£469.40



Flange jointing set

M16x30 (50-56 flange)	1(4pcs)	984.1650B	£17.69
M16x100 (63-75 flange)	1(4pcs)	984.1663B	£19.81
M16x110 (110-140 flange)	1(8pcs)	984.16110B	£45.88
M20x110 (160 flange)	1(8pcs)	984.20160B	£67.11
M20x130 (200-315 flange)	1(12pcs)	984.20250B	£123.53



Rubber flange seal

50	1	982.50B	£5.26
56	1	982.56B	£7.05
75	1	982.75B	£7.28
110	1	982.110B	£14.10
160	1	982.160B	£16.80
200	30	982.200B	£20.28
250	1	982.250B	£35.26
315	1	982.315B	£45.84



Painted aluminium backing ring

50	1	981.50B	£45.77
56	1	981.56B	£49.24
75	1	981.75B	£59.85
110	1	981.110B	£70.42
160	1	981.160B	£123.40
200	5	981.200B	£176.35
250	1	981.250B	£257.50
315	1	981.315B	£352.84



Painted aluminium blank flange

50	1	983.50B	£104.08
56	1	983.56B	£76.20
75	1	983.75B	£80.41
110	1	983.110B	£126.99
160	1	983.160B	£211.57
200	8	983.200B	£275.28
250	1	983.250B	£381.16
315	1	983.315B	£705.95



Utilities				
	Size mm	Pack Qty	Code	Price Each
	HDPE WC pan connector - white			
110	10	925.110W	£52.77	
	HDPE straight WC pan connector with seal and cap			
90/100	10	999.90100.00B	£61.39	
	HDPE double WC pan connector with 1 lip seals and caps			
110/110	5	929.110.90DB	£144.27	
	HDPE bend for wall hung pan with 1 lip seal and cap, left			
110/110	5	949.110LB	£82.92	
110/90	5	949.11090LB	£82.92	
	HDPE bend for wall hung pan with 1 lip seal and cap, right			
110/110	5	949.110RB	£82.92	
110/90	5	949.11090RB	£82.92	
	HDPE WC pan connectors			
110/110	5	949.110DB	£211.57	
	HDPE connector for wall hung pan with seal & white covering			
110/44	10	925.11044B	£46.04	
	HDPE WC bend for hanging pan with seal and cap			
110/110	10	999.110.90B	£72.08	
	HDPE trap with seal and cap			
110	5	9631.110.0B	£92.10	

Utilities				
	Size mm	Pack Qty	Code	Price Each
	HDPE WC connector for PVC with ring seal			
100	10	925.100B	£49.12	
	HDPE universal trap, vertical inlet and horizontal outlet			
110	4	931.110B	£224.93	
	HDPE trap, vertical inlet and horizontal outlet			
40/40	30	931.4040B	£67.52	
40/50	80	931.4050B	£89.00	
40/56	10	931.4056B	£89.04	
50/50	10	931.5050B	£67.52	
50/56	10	931.5056B	£89.04	
	HDPE trap - vertical inlet and outlet			
40/40	50	932.4040B	£89.04	
40/50	10	932.4050B	£89.04	
40/56	10	932.4056B	£89.04	
50/50	10	932.5050B	£89.04	
50/56	10	932.5056B	£89.04	
	HDPE trap - horizontal inlet and outlet			
40/40	15	945.4040B	£89.04	
40/50	10	945.4050B	£89.04	
50/50	10	945.5050B	£110.50	
	HDPE fitting with nut - brass *plastic			
40mm/1/4"	50	918.40.125BN†	£12.88	
40mm/1/2"	50	918.40.15BN†	£12.29	
50mm/1/4"	40	918.50.125BN†	£11.69	
50mm/1/2"	40	918.50.15BN†	£12.91	
40mm/1/4"	40	918.40.125PN*	£10.73	
40mm/1/2"	40	918.40.15PN*	£10.77	
50mm/1/4"	30	918.50.125PN*	£10.73	
50mm/1/2"	80	918.50.15PN*	£11.37	

Utilities

	Size mm	Pack Qty	Code	Price Each
HDPE extended fitting with nut - 1/2 brass *plastic				
	40mm/1 1/4"	20	918.40.125EB†	£19.33
	40mm/1 1/2"	20	918.40.15EBN†	£19.35
	50mm/1 1/4"	20	918.50.125EBN†	£22.99
	50mm/1 1/2"	20	918.50.15EBN†	£23.02
	40mm/1 1/4"	20	918.40.125EPN*	£17.47
	40mm/1 1/2"	20	918.40.15EPN*	£17.50
	50mm/1 1/4"	20	918.50.125EPN*	£19.94
	50mm/1 1/2"	20	918.50.15EPN*	£19.94
HDPE female iron				
	40mm x 1/2"	40	916.40.05B	£58.38
	40mm x 3/4"	20	916.40.075B	£58.38
	40mm x 1"	20	916.40.1B	£58.38
	50mm x 1/2"	20	916.50.05B	£85.92
	50mm x 3/4"	20	916.50.075B	£85.92
	50mm x 1"	20	916.50.1B	£85.92
	50mm x 1 1/4"	30	916.50.125B	£85.92
	50mm x 1 1/2"	50	916.50.15B	£85.92
	56mm x 2"	50	916.56.2B	£104.37
	75mm x 2 1/2"	5	916.75.25B	£98.81
HDPE male iron				
	50mm x 1 1/4"	10	917.50.125B	£85.92
	50mm x 1 1/2"	50	917.50.15B	£85.92
	56mm x 2"	100	917.56.2B	£104.37
	75mm x 2 1/2"	5	917.75.25B	£102.35
HDPE threaded fitting with brass nipple				
	40mm/2" x 15	40	936.40.05NB	£67.52
	40mm/2" x 18	10	936.40.075NB	£67.52
	50mm/2" x 15	5	936.50.05NB	£67.52
	50mm/2" x 18	5	936.50.075NB	£67.52
	50mm/1" x 22	5	936.50.1NB	£67.52
HDPE bend with nut - 1/2 brass *plastic				
	40mm/1 1/4"	20	918.40.125.90BN†	£11.36
	40mm/1 1/2"	20	918.40.15.90BN†	£11.69
	40mm/1 1/2"	20	918.40.15.90PN*	£10.73
HDPE reducing bend with nut - 1/2 brass *plastic				
	40/50mm/1 1/4"	20	918.4050.125.90BN†	£11.36
	40/50mm/1 1/2"	25	918.4050.15.90BN†	£11.69
	40/50mm/1 1/4"	20	918.4050.125.90PN*	£10.18
	40/50mm/1 1/2"	20	918.4050.15.90PN*	£11.05

Utilities

	Size mm	Pack Qty	Code	Price Each
HDPE sleeve				
	40/46	50	917.4046B	£4.00
	50/46	50	917.5046B	£4.09
	50/58	50	917.5058B	£4.62
	56/46	50	917.5646B	£4.62
	56/58	50	917.5658B	£4.62
HDPE gasket				
	46/24-32	150	917.4624.908B	£2.77
	46/36-40	150	917.4636.908B	£1.34
	58/36-40	100	917.5836.908B	£2.77
	58/47-50	100	917.5847.908B	£2.77
HDPE spigot bend with cap				
	40/46	40	917.4046.90B	£4.62
	50/46	40	917.5046.90B	£4.62
	50/58	20	917.5058.90B	£5.39
	58/46	20	917.5646.90B	£5.39
	56/58	20	917.5658.90B	£5.39
HDPE protective cap for socket				
	40	40	9130.40B	£1.07
	50	150	9130.50B	£1.07
	56	160	9130.56B	£1.07
	75	30	9130.75B	£1.09
	110	60	9130.110B	£1.51
	160	10	9130.160B	£2.77
	200	5	9130.200B	£3.43
HDPE ring				
	Suitable for 912 HDPE threaded coupling.			
	50	10	9118.50B	£2.15
	56	10	9118.56B	£3.22
	75	10	9118.75B	£2.92
	110	10	9118.110B	£3.54
HDPE ring seal				
	Suitable for 912 HDPE threaded coupling.			
	50	10	9119.50B	£1.34
	56	50	9119.56B	£2.02
	75	10	9119.75B	£2.92
	110	20	9119.110B	£2.92
HDPE 1 lip seal for sockets				
	Suitable for 927 HDPE ring seal adaptors.			
	100	20	927.100.908B	£1.07
	110	20	927.110.908B	£1.07
	160	20	927.160.908B	£2.46
	200	20	927.200.908B	£4.30
	250	1	927.250.908B	£8.60
	315	1	927.315.908B	£11.37

Utilities

	Size mm	Pack Qty	Code	Price Each
HDPE O ring for sockets				
	40	20	9116.40B	£0.57
	50	20	9116.50B	£0.67
	75	20	9116.75B	£1.02
	110	20	9116.110B	£1.70
	160	20	9116.160B	£4.30

	Size mm	Pack Qty	Code	Price Each
HDPE seal for expansion sockets				
Suitable for 911 HDPE expansion joint.				
	40	20	911.40.908B	£1.51
	50	20	911.50.908B	£1.70
	56	20	911.56.908B	£2.61
	75	20	911.75.908B	£3.43
	110	50	911.110.908B	£4.30
	160	10	911.160.908B	£5.84
	200	10	911.200.908B	£14.74

Anchors and brackets

	Size mm	Pack/ Box	Code	Price Each
Anchor / Guide Bracket				
Guide bracket performs as an anchor with removal of the plastic clips. For larger diameter we recommend M16 brackets.				
	40mm x M10	50	9140.40B	£6.11
	50mm x M10	50	9140.50B	£8.47
	56mm x M10	50	9140.56B	£8.66
	75mm x M10	25	9140.75B	£9.15
	110mm x M10	25	9140.110B	£10.58
	160mm x M10	25	9140.160B	£12.57
	200mm x M10	25	9140.200B	£45.77
	250mm x M10	10	9140.250B	£46.31
	315mm x M10	10	9140.315B	£53.99

RECOMMENDED

M16 bracket

	200mm x M16	15	9149.200B	£69.79
	250mm x M16	2	9149.250B	£69.79
	315mm x M16	2	9149.315B	£71.51

	Size mm	Pack Qty	Code	Price Each
Acoustic pipe bracket				
	110	15	9140.110R	£26.52
	160	1	9140.160R	£35.53

	Size mm	Pack Qty	Code	Price Each
Mounting plate				
	M10	100	9148.10B	£8.02
	G1"	25	9148.25B	£9.90

	Size mm	Pack Qty	Code	Price Each
Rubber flat seal				
	40mm x ¼"	10	918.40.908B	£0.38
	40mm x ½"	10	918.40.918B	£0.38

Anchors and brackets

	Size mm	Pack/ Box	Code	Price Each
Threaded bar				
	M10 x 1 metre	1	9147B	£4.62
	M16 x 1 metre	1	9149B	£14.11

	Size mm	Pack Qty	Code	Price Each
Rubber insert strip				
For acoustic brackets				
	40mm x 10m	2	9104.40B	£60.65

	Size mm	Pack Qty	Code	Price Each
Anti vibration insert				
For acoustic brackets				
	30mm x 30 (58mm-314mm)	1	9105.30B	£194.17

Electrofusion Machines

Description	Pack Quantity	Code	Price Each
FUZE electrofusion welding machine 40-315mm			
40 to 315mm	1	9000.40315.110V*	£3,181.24
Note: A different discount structure applies to the electrofusion welding machine.			
Replacement leads			
40 - 160mm (Yellow) 1		AW00-2003	£201.98
200 - 315mm (Blue) 1		AW00-2004	£227.24
HDPE pipe scraper			
	10	9507T	£85.92
Pipe cutter			
40 to 63mm	1	9500.663T	£362.20
50 to 140mm	1	9500.50140T	£521.82
100 to 160mm	1	9500.100160T	£583.20
180 to 315mm	1	9500.180315T	£2,505.30
HDPE pencils			
	1 (12Pcs.)	9508T	£142.72
HDPE knife			
	1 (12Pcs.)	9504T	£267.06
Bevelling tool			
40 to 250mm	1	9502.40250T	£709.04
32 to 160mm	1	9502.32160T	£460.40

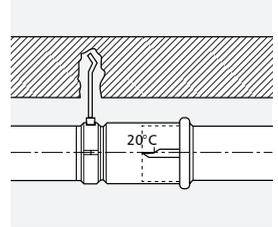
*For hiring details, please call local TSM.

Universal Electrofusion Machine Spares

Description	Cables	Code	Price Each
40 - 160mm	Yellow	HDC464334	£604.02
200 - 315mm	Blue	HDC464335	£604.02

Expansion Socket with Ring Seal

- Connection properties:
- Non-removable
- Non-tension resistant



Horizontal assembly (e.g. at an ambient temperature of 20°C).

Use

Expansion sockets can be used in underground pipe systems as normal push-fit fittings but must be provided on vertical stacks running from floor to floor and for rainwater pipes both inside and outside the building.

Electrofusion Coupling



- Available in sizes 40 - 315mm
- Connection properties:
- Non-removable
- Tension resistant

Use

This form of jointing is suitable for on-site welding, additional installations, repair work and modifications.

The pressure required for welding is obtained from the shrinking effect of the sleeve upon heating and is distributed equally over the entire weld.

This shrinkage has a compensating effect on pipe diameter measurement tolerances.

By removing the central stop ring, the electrical sleeves can be made to slide to enable system modifications and repairs.

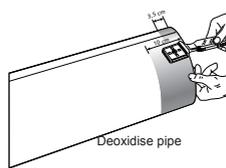
The electrical resistance wires will not corrode as they are protected by HDPE after welding.



Pipe scraper



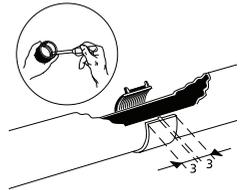
Terrain FUZE Box



Cut the pipe squarely, dry, clean and scrape the welding surfaces. The surface must remain clean and dry during the whole welding process, therefore do not touch with your hands.

The length of pipe to be scraped with diameters ranging from 40 - 160mm is 35mm.

The length of pipe to be scraped with diameters 200, 250 and 300mm is 100mm.



Insert pipe or fitting into sleeve coupling. If the stop ring in the sleeve needs to be removed, mark the depth at 30mm.

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Code Pack Qty Price Page

FUZE Slax

9401.110110568	1	£191.05	55
9401.160110568	1	£378.24	55
9402.110110568	1	£151.44	55
9402.160110568	1	£336.16	55
9403.110110568	1	£184.91	55
9403.160110568	1	£395.88	55
9404.110110568	1	£173.91	55
9404.160110568	1	£333.42	55
9405.160110568	1	£223.91	55
9406.110110568	1	£394.42	55
9406.110110568	1	£205.92	55
9406.110110568	1	£336.86	55
9407.110563B	1	£99.64	55
9407.110568	1	£99.64	55
9407.160568	1	£209.80	55
9407.7556B	1	£70.50	55
9408.110563B	1	£77.43	55
9408.110568	1	£77.43	55
9408.160568	1	£148.64	55
9408.7556B	1	£58.65	55
9409.110563B	1	£152.35	55
9409.110568	1	£152.35	55
9409.160568	1	£393.57	55
9409.7556B	1	£75.92	55
9410.110563B	1	£131.83	55
9410.110568	1	£131.83	55
9410.160568	1	£233.90	55
9410.7556B	1	£65.07	55
9411.110B	55	£81.89	55
9411.160B	1	£116.38	55
9411.56B	1	£39.69	55
9411.75B	1	£45.52	55
9412.110B	1	£120.60	56
9412.110PB	1	£139.43	56
9412.160B	1	£277.99	56
9412.56B	55	£68.08	56
9412.75B	1	£90.53	56
9413.110110B	4	£34.34	56
9413.160110B	3	£104.76	56
9414.110110B	4	£48.81	56
9414.160110B	3	£107.29	56
9415.110110B	4	£41.21	56
9415.110568	4	£32.54	56
9415.110758	4	£37.96	56
9415.110110B	3	£103.98	56
9416.110110B	4	£40.74	56
9416.110568	4	£32.54	56
9416.110758	4	£40.13	56
9416.160110B	3	£111.15	56

FUZE Pipes

900.40.30B	30B	£18.62	56
900.40.50B	30B	£31.19	56
900.50.30B	30B	£22.25	56
900.50.50B	30B	£37.03	56
900.56.30B	30B	£25.55	56
900.56.50B	30B	£42.49	56
900.75.30B	30B	£35.27	56
900.75.50B	30B	£58.80	56
900.110.30B	30B	£63.31	56
900.110.50B	30B	£105.48	56
900.160.30B	30B	£151.96	56
900.160.50B	30B	£253.23	56
900.200.30B	30B	£326.17	56
900.250.50B	30B	£526.08	56
900.315.50B	30B	£820.37	56

FUZE Fittings

901.40.135B	5	£4.17	59
901.40.92B	200	£4.17	59
901.50.135B	5	£4.19	59
901.50.92B	50	£6.62	59
901.56.135B	120	£4.91	59
901.56.92B	90	£5.45	59
901.75.135B	60	£9.08	59
901.75.92B	40	£10.19	59
901.110.112B	1	£79.47	59
901.110.135B	24	£11.58	59
901.110.150B	30	£38.12	59
901.110.165B	30	£38.27	59
901.110.92B	30	£13.92	59
901.110.92PB	1	£64.18	59
901.160.112B	1	£123.23	59
901.160.135B	18	£49.00	59
901.160.150B	1	£59.76	59
901.160.165B	1	£56.65	59
901.160.92B	90	£63.49	59
901.200.112B	1	£141.33	59

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901.200.135B	32	£135.15	59
901.200.150B	1	£74.17	59
901.200.165B	1	£88.88	59
901.250.112B	1	£231.76	59
901.250.135B	1	£219.85	59
901.250.150B	1	£121.45	59
901.250.165B	1	£118.56	59
901.315.112B	1	£400.37	59
901.315.135B	10	£304.90	59
901.315.150B	1	£193.13	59
901.315.165B	1	£173.49	59
902.56.90B	20	£62.62	59
902.110.90B	10	£21.49	59
904.40.135B	80	£10.18	59
904.40.90B	100	£8.30	59
904.50.135B	50	£10.54	59
904.50.90B	70	£10.54	59
904.56.135B	40	£9.88	59
904.56.90B	40	£10.54	59
904.56.92B	40	£18.06	59
904.75.135B	20	£12.29	59
904.75.150B	15	£12.97	59
904.110.135B	16	£21.10	59
904.110.90B	20	£19.02	59
904.110.925B	17	£58.42	60
904.110.92B	18	£22.98	60
904.160.135B	45	£97.38	59
904.160.90B	8	£106.85	59
904.300.90B	25	£10.54	59
904.200.90B	8	£209.95	59
904.250.135B	8	£529.44	59
904.250.90B	1	£300.03	59
904.315.135B	1	£776.51	59
904.315.90B*	1	£423.55	59
904.5040.135B	20	£10.54	60
904.5040.90B	25	£10.54	60
904.5650.135B	20	£9.88	60
904.5650.90B	25	£10.54	60
904.7540.135B	25	£12.29	60
904.7540.90B	25	£12.97	59
904.7550.135B	25	£12.29	60
904.7550.90B	25	£12.97	59
904.7556.90B	30	£12.97	60
904.1104.135B	10	£21.10	60
904.1104.90B	15	£19.02	60
904.11050.135B	15	£21.10	60
904.11050.90B	10	£19.02	60
904.11056.135B	15	£21.10	60
904.11075.135B	1	£121.10	60
904.11075.90B	10	£19.02	60
904.11090.12B	12	£105.99	60
904.16075.135B	6	£131.27	60
904.20075.135B	1	£195.82	60
904.160110.90B	7	£97.38	60
904.160110.135B	6	£105.99	60
904.200110.135B	1	£209.95	60
904.200110.90B	1	£209.95	59
904.200160.135B	1	£218.80	60
904.200160.90B	1	£209.95	59
904.250110.135B	10	£352.92	60
904.250110.90B	1	£300.03	59
904.250160.135B	1	£398.26	60
904.250160.90B	1	£300.03	59
904.250200.135B	1	£398.26	60
904.250200.90B	1	£300.03	59
904.315110.135B	1	£617.69	60
904.315110.90B	1	£352.92	59
904.315160.135B	1	£617.69	60
904.315160.90B	1	£352.92	59
904.315200.135B	1	£652.94	60
904.315200.90B	1	£352.92	59
904.315250.135B	1	£652.94	60
904.315250.90B	1	£352.92	59
906.110.135B	8	£38.78	60
906.110.80B	10	£33.49	60
906.110.92B	6	£39.23	60
906.5040.60B	25	£12.97	60
906.1104.135B	10	£30.27	60
906.11050.135B	10	£34.52	60
906.11090.12B	9	£132.56	60
906.11090.92B	12	£79.41	60
906.11093.92B	75	£105.99	60
907.110.92B	1	£31.83	60
907.200.90B	1	£232.55	59
907.250.90B	14	£388.26	59
907.315.90B	1	£564.75	59
907.110.90RB	1	£64.18	59
910.110B	10	£13.43	56
910.160B	8	£33.70	56
910.200B	10	£24.76	56
910.250B	55	£388.07	56

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910.315B	34	£440.17	56
910.40B	20	£9.10	56
910.56B	16	£9.38	56
910.75B	18	£13.62	56
911.40.908B	20	£1.51	65
911.50.908B	20	£1.70	65
911.56.908B	20	£2.61	65
911.75.908B	20	£3.43	65
911.110.908B	50	£4.30	65
911.160.908B	10	£5.84	65
911.200.908B	10	£14.74	65
911.110B	10	£24.94	56
911.160B	80	£68.04	56
911.200B	1	£34.11	56
911.250B	1	£435.84	56
911.315B	8	£788.84	56
911.50B	20	£18.42	56
911.50B	30	£18.32	56
911.56B	30	£17.55	56
911.75B	20	£22.28	56
912.135B	15	£12.92	61
912.40B	40	£10.80	61
912.50B	40	£11.69	61
912.56B	25	£11.69	61
912.75B	20	£32.76	61
914.05B	40	£58.38	64
914.075B	20	£58.38	64
914.11B	20	£39.38	64
916.50.95B	20	£85.92	64
916.50.075B	20	£85.92	64
916.50.125B	50	£85.92	64
916.50.15B	50	£85.92	64
917.56.2B	100	£104.37	64
917.56.25B	5	£98.81	64
917.50.125B	10	£85.92	64
917.50.15B	50	£85.92	64
917.56.2B	100	£104.37	64
917.4046.90B	50	£42.62	64
917.4624.908B	150	£72.77	64
917.50.134	40	£10.34	64
917.5046.90B	40	£42.62	64
917.5058.90B	20	£5.39	64
917.5648.90B	20	£5.39	64
917.5658.90B	20	£5.39	64
917.5836.908B	100	£27.77	64
917.5847.908B	100	£27.77	64
918.00.60B	50	£40.00	64
917.5048B	50	£40.09	64
917.5058B	50	£46.62	64
917.5648B	50	£46.62	64
917.5658B	50	£46.62	64
918.40.15.908B	20	£11.69	64
918.40.15.90PB*	20	£10.73	64
918.40.125.90B	20	£11.36	64
918.40.125BPN	50	£12.88	63
918.40.125EPN	20	£17.47	64
918.40.125PN	40	£10.73	63
918.40.15B	50	£12.29	63
918.40.15BN	20	£19.35	64
918.40.15EPN	20	£17.50	64
918.40.15PN	40	£10.77	63
918.40.908B	10	£0.38	65
918.40.918B	10	£0.38	65
918.50.125BPN	40	£11.69	63
918.50.125EPN	20	£22.99	64
918.50.125PN	20	£19.94	64
918.50.125.90PB*	30	£10.73	63
918.50.15BPN	40	£12.91	63
918.50.15EPN	20	£23.02	64
918.50.15PN	20	£19.94	64
918.50.15PN*	80	£11.37	63
918.40.50.15.90BPN*	25	£11.69	64
918.40.50.15.90PB*	20	£10.66	64
918.40.125.90BPN*	20	£11.36	64
918.40.125.90PB*	20	£10.18	64
918.01.56B	8	£60.81	60
920.160.56B	15	£105.85	60
921.110.56B	60	£44.93	60
923.11040B	25	£10.59	62

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938.250.90B	1	£317.66	61
938.315.90B	1	£393.67	61
945.4040B	15	£99.04	63
945.4050B	10	£89.04	63
945.5050B	10	£110.50	63
949.11090LB	5	£82.92	63
949.11090RB	5	£82.92	63
949.1109B	5	£211.57	63
949.110LB	5	£82.92	63
949.110RB	5	£82.92	63
950.110B	180	£17.51	62
950.160B	65	£24.82	62
950.75B	120	£14.92	62
960.110B	20	£46.56	62
960.160B	10	£82.96	62
980.200B	4	£158.86	62
980.250B	5	£275.28	62
980.315B	6	£469.40	62
980.50B	40	£31.70	62
980.56B	1	£31.70	62
980.75B	1	£43.95	62
981.110B	1	£70.42	62
981.160B	1	£123.40	62
981.200B	5	£176.35	62
981.250B	1	£257.50	62
981.315B	1	£362.84	62
981.50B	1	£45.77	62
981.56B	1	£49.24	62
981.75B	1	£89.85	62
982.110B	1	£14.10	62
982.160B	1	£16.80	62
982.200B	30	£20.28	62
982.250B	1	£35.26	62
982.315B	1	£45.84	62
982.50B	1	£5.26	62
982.56B	1	£7.05	62
982.75B	1	£7.28	62
983.110B	1	£126.99	62
983.160B	1	£211.57	62
983.200B	8	£275.28	62
983.250B	1	£381.16	62
983.315B	1	£705.95	62
983.50B	1	£104.08	62
983.56B	1	£76.20	62
983.75B	1	£90.41	62
984.16110B		£45.88	62
984.1650B		£17.69	62
984.1663B		£19.81	62
984.20160B		£67.11	62
984.20250B		£123.53	62
990.110B	4	£58.11	57
990.4B	4	£51.21	57
999.110.90B	10	£72.08	63
999.90100.00B	10	£61.39	63
9000.40315.110V	1	£3,181.24	65
9104.40B	2	£90.65	65
9105.30B	1	£194.17	65
9110.110B	12	£42.62	57
9110.110C	12	£51.77	57
9110.160B	8	£53.19	57
9110.160C	8	£96.73	57
9116.110B	20	£1.70	65
9116.160B	20	£4.30	65
9116.40B	20	£0.57	65
9116.50B	20	£0.67	65
9116.75B	20	£1.02	65
9118.110B	10	£3.54	64
9118.50B	10	£2.15	64
9118.56B	10	£3.22	64
9118.75B	10	£2.92	64
9119.110B	20	£2.92	64
9119.50B	10	£1.34	64
9119.56B	50	£2.02	64
9119.75B	10	£2.92	64
9120.110B	10	£20.26	61
9120.50B	10	£7.35	61
9120.56B	10	£8.30	61
9120.75B	10	£13.22	61
9122.110B	100	£16.29	61
9122.50B	50	£6.11	61
9122.56B	10	£6.44	61
9122.75B	15	£10.18	61
9130.110B	60	£1.51	64
9130.160B	10	£2.77	64
9130.200B	5	£3.43	64
9130.40B	40	£1.07	64
9130.50B	150	£1.07	64
9130.56B	160	£1.07	64
9130.75B	30	£1.09	64
9140.110B	25	£10.58	65
9140.110R	15	£26.52	65
9140.160B	25	£12.57	65
9140.160R	1	£35.53	65

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9140.200B	25	£45.77	65
9140.250B	10	£46.31	65
9140.315B	10	£53.99	65
9140.50B	50	£8.47	65
9140.56B	50	£8.66	65
9140.75B	25	£9.15	65
9148.10B	100	£8.02	65
9148.25B	25	£9.90	65
9149.200B	15	£69.79	65
9149.250B	2	£69.79	65
9149.315B	2	£71.51	65
9500.100160T	1	£583.20	65
9500.180315T	1	£2,505.30	65
9500.50140T	1	£521.82	65
9500.663T	1	£362.20	65
9502.32160T	1	£460.40	65
9502.40250T	1	£709.04	65
9631.110.0B	5	£92.10	63
9936.110B	20	£31.10	61
9936.56B	10	£12.21	61
9938.110B	10	£13.84	61
910P.110B	1	£33.43	56
910P.160B	5	£337.65	56
910P.200B	1	£429.73	56
910P.250B	1	£644.59	56
910P.315B	1	£890.15	56
911E.110B	6	£180.18	57
911S.110B	16	£173.64	57
911S.160B	6	£337.65	57
911S.200B	1	£460.40	57
911S.250B	1	£644.59	57
911S.315B	1	£890.15	57
9147B	1	£4.62	65
9149B	1	£14.11	65
9504T	1	£267.06	65
(12Pcs)			
9507T	10	£85.92	65
9508T	1	£142.72	65
(12Pcs)			
AW00-2003		£201.98	65
AW00-2004		£227.24	65
Yellow		£604.02	65
HDC464334		£604.02	65
Blue		£604.02	65

Fast order turnaround of prefabricated drainage stacks helps installation team hit project deadlines.



Alperton Bus Depot is a mixed-use new development which includes commercial space aimed at supporting start-ups alongside 461 new homes, of which 40 percent will be affordable in the London Borough of Brent. The former Metroliner bus garage is being transformed into three blocks, one of which is 27-storey, linked at the ground and first floors for community use and industrial floorspace. The development is due to be completed mid 2025.

CASE STUDY

Project

Drainage stacks installation at Alperton Bus Depot development, Greater London.

Client

I-MEX (M&E) Ltd on behalf of Telford Homes.

Application

New building drainage stacks installation.

Products

Terrain FUZE.

Tight project turnarounds need a versatile solution.

Mechanical & electrical contractor I-MEX (M&E) Ltd was looking for a drainage stack solution which was both good quality and quick to install within a six-month project deadline.

Other challenges for the installation team included the fact that the development sits on the corner of a busy dual carriageway meaning limited space on site for deliveries and cranes. This meant a delivery schedule which staggered product delivery to tie into work on each level was essential.

Robert Bruce, Polypipe Building Services Technical Sales Manager for London, said:

"We met with I-MEX (M&E) Ltd on October 6th and the order was placed for Block A of the building by the end of October.

The essential aspect for them was the fast turnaround to keep up with the build schedule. This made Terrain FUZE Stax ideal. This is supported by flexible delivery options, so the products for different phases of work can be delivered at intervals, for example, so many floors worth at a time."

Versatility was also important, and I-MEX (M&E) Ltd liked that Stax offers two four-way bosses on the same stack and can be used in multiple situations. The fact that they come in two parts means logistically moving them around site is easier and the pieces are more versatile compared to traditional three metre long pieces of fabrication which I-MEX (M&E) Ltd have previously used."

Minimising time-consuming repetitive work

Terrain FUZE Stax helps reduce installation times because typically large-scale drainage stack projects involve repeating similar configurations of loose components across floors. This means significant time is spent on repetitive cutting and welding jobs. The Terrain FUZE Stax range removes a lot of this time-consuming work by offering prefabricated products in the most common configurations covering kitchens, bathrooms, and utility rooms.

Dan Smailes, Commercial Director Prefabrication at I-MEX (M&E) Ltd, said:

"Prefabrication is at the forefront of what I-MEX (M&E) Ltd have been doing over the last seven years, and the introduction of Polypipe FUZE Stax came at the perfect time for us to be able to utilise it on this project. Moving forward we will continue to use the two-part FUZE Stax on all of our sites."



Landmark Manchester tower benefits from Polypipe approach to drainage.



Polypipe Building Services, the UK's leading manufacturer and specialist in building services solutions, devised an above ground drainage system for the small footprint of a tall building in the centre of Manchester.

The use of Terrain P.A.P.A.® system allowed for the use of less pipework, while maximising the use of the available floor space within the building structure.

Polypipe supplied its Terrain P.A.P.A.® (Positive Air Pressure Attenuation) and Pleura air admittance and control systems for use on the 28 storey Axis Tower, situated near the city's popular Deansgate Locks, and the pioneering Beetham Tower. The building is positioned between a canal and locks, a critical city centre junction between Whitworth Street and Lower Moseley Street, as well as the tram tracks serving Deansgate Castle Road station – meaning it has a tight footprint. The development is 93 metres high and is currently the 12th highest building in a city which is currently experiencing a dramatic growth of tall building developments. The development site has a footprint of just 3,200 square feet, as the base of the building is small, but the structure cantilevers out to the upper floors of the building. This provided a challenge in managing water from the top of the building, through the bottom of the structure, without relying on an extensive network of pipes. The design of the system also required a reduction in additional secondary stack pipework.

Polypipe Building Services worked with primary contractor Russell WHBO and Quartzelec to develop the system and advised the use of the Terrain P.A.P.A.® and the Terrain Pleura air admittance valves to supply a complete drainage ventilation system. The positive pressure reduction device is used to mitigate the effects of positive air fluctuations in the drainage pipework system, such as when a toilet is flushed on an upper floor.

The application of the Terrain Pleura Regulators balances negative air pressure fluctuations within the drainage system. The regulators are also easy to install allowing for efficient management of on-site skilled labour, which is essential during projects relying on meeting strict deadlines.

Gary Gardner, Head of Building Services at Russell WHBO said:

“Polypipe’s early involvement in this project ensured we could deliver a high quality above ground drainage system and water supply system. “We managed the project from design to inception so it was important we worked with a drainage specialist that could meet and exceed the demands of this project with its unique structural requirements.”

CASE STUDY

Project

Axis Tower, Manchester.

Client

Al Turki Enterprises.

Application

Tall building waste water drainage system.

Main Contractor

Russell WHBO

Products

Terrain P.A.P.A.® and Pleura air admittance and control systems.



Terrain P.A.P.A.*

The Terrain P.A.P.A. is a positive air pressure attenuator, designed to mitigate the affects of positive air fluctuations in the drainage pipework system. As water descends down the drainage stack it creates a negative pressure; if that flow is interrupted or is approaching a change of direction, the negative pressure changes to a positive pressure and moves up the pipe. This low amplitude air wave travels typically at 320m/s, the speed of sound. As the positive air fluctuation approaches the branch-off point for the Terrain P.A.P.A., the bladder within the unit reacts very quickly, within 0.2 seconds, and starts to expand; this creates a pressure differential at the branch-off point. The branch to the Terrain P.A.P.A. then becomes the path of least resistance and the majority of the positive air pressure is absorbed within the unit.

As the transient air pressure within the pipework starts to equalise, the bladder slowly releases the small volume of air into the pipework system to only 12m/s which will have no effect on the trap seals.

- Replaces extensive ventilation pipework, saving costs in material and installation.
- Allows more flexibility in the layout and design of internal drainage systems for engineers, architects and design professionals.
- Offers a point-of-need solution that quickly responds to transient air fluctuations.

Terrain Pleura 50*

The Terrain Pleura 50 air admittance valve provides ventilation to branch pipework. It is generally installed on the pipe behind the appliance trap water seal.

The Terrain Pleura 50 opens and admits fresh air into the branch pipe when the negative (suction) pressure occurs from an appliance discharging into the pipework system.

This equalises the ambient air pressure within the pipework and protects the trap water seal.

When the flow stops and the internal ambient air pressure in the pipework balances, the Terrain Pleura 50 closes by gravity and prevents foul air entering the built environment.

Terrain P.A.P.A.® and Pleura Vent System

	Size mm	Pack/Box	Code	Price Each
Terrain P.A.P.A. Valve	75-110 ♡	1	9300.4	£955.98
				
Terrain Pleura 100 Valve	75-110 ♡	1	9301.34	£195.07
				
Terrain Pleura 50 Valve	32-63 ♡	1	9301.253	£84.89
				

Terrain Pleura 100*

The Terrain Pleura 100 air admittance valve can be fitted on to the top of a foul or waste stack, or at the end of long low gradient branch drains, to provide ventilation.

The Terrain Pleura 100 opens and admits fresh air under condition of reduced pressure in the discharge pipes and prevents trapped water seals being drawn. As the internal ambient air pressure in the pipework balances, the Terrain Pleura 100 closes by gravity and prevents foul air entering the built environment.

*Valves to be installed only on Polypipe pipework.

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Terrain Q. Turning flush sounds into hush sounds.

Designed to meet your specific project needs, Terrain Q is a simple, reliable alternative to other traditional noise reducing drainage systems. Its multi-layer noise reducing system also provides increased fire retardancy, with a fire classification of B-s1, d0*, crucial for today's:

- High Rise Developments
- Hospitals
- Hotels
- Schools
- Other Commercial Applications

With excellent noise reducing properties and high fire retardancy, coupled with its ease of installation thanks to the push-fit jointing method, its compatibility with other systems and fittings, Terrain Q is an ideal choice for all your drainage and noise reducing project requirements.

Terrain Q Benefits

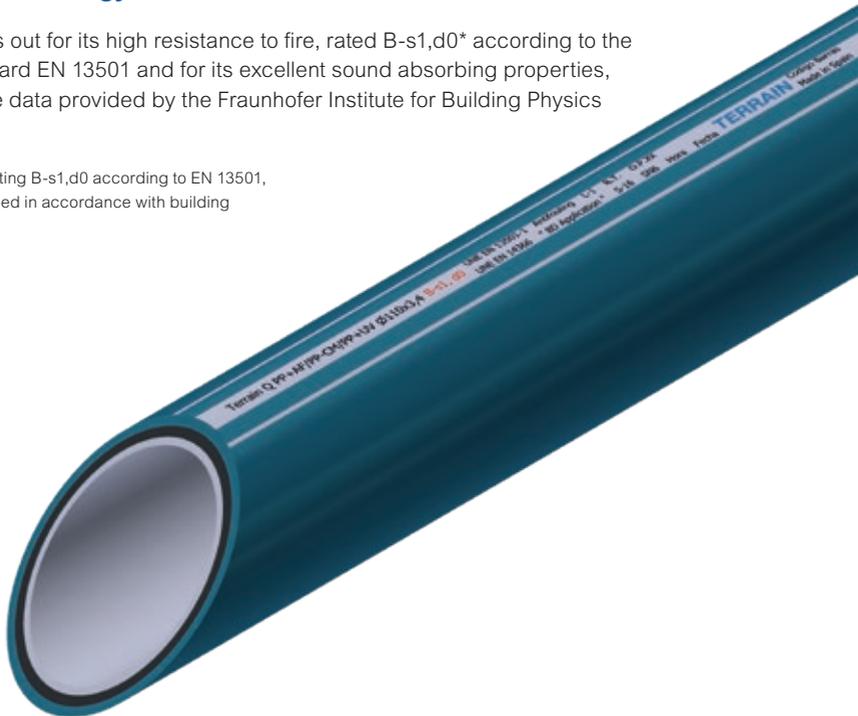
- Low Noise Transmission
- Fire Classification B-s1, d0
- Chemical Resistance
- Anti- Fouling
- Increased Mechanical Strength
- Push-Fit Jointing
- UV Protection
- Abrasion Resistance
- Easy Handling

Terrain Q has a wide range of pipe and unique fittings, from 40mm to 200mm diameter, making it an ideal solution for the installation of a complete drainage system.

Advanced Technology and Performance

Terrain Q stands out for its high resistance to fire, rated B-s1,d0* according to the European standard EN 13501 and for its excellent sound absorbing properties, according to the data provided by the Fraunhofer Institute for Building Physics IBP.

*Fire classification rating B-s1,d0 according to EN 13501.
Terrain Q to be installed in accordance with building regulations.



Pipes

	Size mm	Pack Qty	Code	Price Each
Single socket pipe				
	40 (3m)	30	700P.40.30B	£36.72
	50 (3m)	30	700P.50.30B	£33.52
	75 (3m)	30	700P.75.30B	£54.80
	110 (3m)	15	700P.110.30B	£95.03
	160 (3m)	10	700P.160.30B	£200.57
	200 (3m)	10	700P.200.30B	£384.29

Fittings

	Size mm	Pack Qty	Code	Price Each
Bend 15°				
	110	12	707P.110.165B	£36.48
Bend 30°				
	110	30	707P.110.150B	£38.29
Bend 45°				
	40	50	707P.40.135B	£7.36
	50	70	707P.50.135B	£9.55
	75	16	707P.75.135B	£16.60
	110	16	707P.110.135B	£40.65
	160	6	707P.160.135B	£84.40
	200	2	707P.200.135B	£370.37
Bend 87°				
	40	110	707P.40.92B	£7.36
	50	70	707P.50.92B	£9.55
	75	20	707P.75.92B	£16.60
	110	20	707P.110.92B	£42.71
	160	3	707P.160.92B	£89.99
	200	1	707P.200.92B	£432.15
Double Socket Bend 45°				
	110	16	701P.110.135B	£53.25
			Double Socket	
Double Socket Bend 87°				
	110	20	701P.110.92B	£55.04
			Double Socket	

Fittings

	Size mm	Pack Qty	Code	Price Each
Branch 45°				
	40	25	704P.40.135B	£16.88
	50	30	704P.50.135B	£20.51
	75	15	704P.75.135B	£59.20
	110	10	704P.110.135B	£69.41
	160	3	704P.160.135B	£187.63
	200	1	704P.200.135B	£640.23
Branch 87°				
	40	30	704P.40.92B	£16.16
	50	40	704P.50.92B	£19.01
	75	15	704P.75.92B	£59.20
	110	12	704P.110.92B	£125.15
	160	3	704P.160.92B	£299.98
	200	1	704P.200.92B	£681.38
Reducing branch 45°				
	50/40	20	704P.5040.135B	£20.51
	75/50	20	704P.7550.135B	£59.20
	110/50	20	704P.11050.135B	£45.82
	110/75	10	704P.11075.135B	£69.41
	160/110	3	704P.160110.135B	£135.94
	200/160	1	704P.200160.135B	£461.85
Reducing branch 87°				
	110/50	20	704P.11050.92B	£45.82
	110/75	10	704P.11075.92B	£125.15
	160/110	3	704P.160110.92B	£240.00
Fully socketed branch 45°				
	110	10	704E.110.135B	£79.38
Double branch 45°				
	110	2	706P.110.135B	£135.83
Double branch 87°				
	110	2	706P.110.90B	£261.40

Fittings

	Size mm	Pack Qty	Code	Price Each
Eccentric reducer				
	50/40	50	723P.5040B	£9.15
	75/50	20	723P.7550B	£32.61
	110/50	24	723P.11050B	£43.16
	110/75	20	723P.11075B	£46.61
	160/110	24	723P.160110B	£50.08
	200/160	5	723P.200160B	£429.90
Short Eccentric Reducer				
	75/50	30	724P.7550B	£13.65
	110/50	30	724P.11050B	£14.04
	110/75	30	724P.11075B	£19.84
				
Double depth socket				
	50	30	711P.50B	£16.29
	110	12	711P.110B	£19.54
				
Slip coupler				
	No central stop			
	40	50	711P.S.40B	£10.68
	50	50	711P.S.50B	£12.11
	75	30	711P.S.75B	£17.86
	110	20	711P.S.110B	£25.78
	160	2	711P.S.160B	£72.57
	200	5	711P.S.200B	£292.36
				
Double socket				
	With central stop.			
	40	50	710P.40B	£10.69
	50	50	710P.50B	£11.39
	75	50	710P.75B	£17.86
	110	48	710P.110B	£37.53
	160	10	710P.160B	£69.71
	200	2	710P.200B	£518.12
				
Access with cap				
	50	16	738P.50.90B	£26.79
	75	10	738P.75.90B	£46.25
	110	13	738P.110.90B	£85.98
	160	6	738P.160.90B	£195.72
	200	2	738P.200.90B	£722.29
				
Socket plug				
	40	25	730P.40B	£7.36
	50	25	730P.50B	£11.09
	75	50	730P.75B	£32.48
	110	40	730P.110B	£24.88
	160	40	730P.160B	£88.11
	200	20	730P.200B	£366.97
				

PVC Fittings

	Size mm	Pack Qty	Code	Price Each
Double equal branch				
	110	2	706P.104.92B	£232.26
	Can be solvent welded.			
	For use with Terrain 117 boss adaptors on page 36.			
Single branch				
	110	8	704P.104.92B	£125.15
	Can be solvent welded.			
	For use with Terrain 117 boss adaptors on page 36.			
Four way boss				
	110	15	720P.412.2B	£51.04
	Can be solvent welded.			
	For use with Terrain 117 boss adaptors on page 36.			
Corner boss branch				
	110	6	706P.490.12B	£458.05
	Can be solvent welded.			
Universal soil manifold				
	110	5	719P.412.15B	£120.58
	Can be solvent welded.			
Adaptors				
	Converts PushFit Q Range to Solvent PVC			
	40mm to 1.5 Inch	50	6789/DVW	£10.46
	50mm to 2 Inch	75	6790/DVW	£10.36
	Can be solvent welded.			
Brackets				
	Size mm	Pack Qty	Code	Price Each
Acoustic brackets				
	40	M10 50	9140.40R	£9.48
	50	M10 50	9140.50R	£10.13
	75	M10 50	9140.75R	£14.10
	110	M10 15	9140.110R	£26.52
	160	M10 1	9140.160R	£35.53
	Please see page 65 for threaded rod and backing plate.			

Terrain

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Code	Pack Qty	Price	Page
Terrain Q Pipes			
700P.40.30B	30	£36.72	74
700P.50.30B	30	£33.52	74
700P.75.30B	30	£54.80	74
700P.110.30B	15	£95.03	74
700P.160.30B	10	£200.57	74
700P.200.30B	10	£384.29	74

Terrain Q Fittings

9140.110R	15	£26.52	75
9140.160R	1	£35.53	75
9140.40R	50	£9.48	75
9140.50R	50	£10.13	75
9140.75R	50	£14.10	75
6789/DVW	50	£10.46	75
6790/DVW	75	£10.36	75
701P.110.135B	16	£53.25	74
701P.110.92B	20	£55.04	74
704E.110.135B	10	£79.38	74
704P.40.135B	25	£16.88	74
704P.40.92B	30	£16.16	74
704P.50.135B	30	£20.51	74
704P.50.92B	40	£19.01	74
704P.75.135B	15	£59.20	74
704P.75.92B	15	£59.20	74
704P.104.92B	8	£125.15	75
704P.110.135B	10	£69.41	74
704P.110.92B	12	£125.15	74
704P.160.135B	3	£187.63	74
704P.160.92B	3	£299.98	74
704P.200.135B	1	£940.23	74
704P.200.92B	1	£951.38	74
704P.5040.135B	20	£20.51	74
704P.7550.135B	20	£59.20	74
704P.11050.135B	20	£45.82	74
704P.11050.92B	20	£45.82	74
704P.11075.135B	10	£69.41	74
704P.11075.92B	10	£125.15	74
704P.160110.135B	3	£135.94	74
704P.160110.92B	3	£240.00	74
704P.200160.135B	1	£461.85	74
706P.104.92B	2	£232.26	75
706P.110.135B	2	£135.83	74
706P.110.90B	2	£261.40	74
706P.490.12B	6	£458.05	75
707P.40.135B	50	£7.36	74
707P.40.92B	110	£7.36	74
707P.50.135B	70	£9.55	74
707P.50.92B	70	£9.55	74
707P.75.135B	16	£16.60	74
707P.75.92B	20	£16.60	74
707P.110.135B	16	£40.65	74
707P.110.150B	30	£38.29	74
707P.110.165B	12	£36.48	74
707P.110.92B	20	£42.71	74
707P.160.135B	6	£84.40	74
707P.160.92B	3	£89.99	74
707P.200.135B	2	£370.37	74
707P.200.92B	1	£432.15	74
710P.110B	48	£37.53	75
710P.160B	10	£69.71	75
710P.200B	2	£518.12	75
710P.40B	50	£10.69	75
710P.50B	50	£11.39	75
710P.75B	50	£17.86	75
711P.110B	12	£19.54	75
711P.50B	30	£16.29	75

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Code	Pack Qty	Price	Page
711P.S.110B	20	£25.78	75
711P.S.160B	2	£72.57	75
711P.S.200B	5	£292.36	75
711P.S.40B	50	£10.68	75
711P.S.50B	50	£12.11	75
711P.S.75B	30	£17.86	75
719P.412.15B	5	£120.58	75
720P.412.2B	15	£51.04	75
723P.11050B	24	£43.16	75
723P.11075B	20	£46.61	75
723P.160110B	24	£50.08	75
723P.200160B	5	£429.90	75
723P.5040B	50	£9.15	75
723P.7550B	20	£32.61	75
724P.11050B	30	£14.04	75
724P.11075B	30	£19.84	75
724P.7550B	30	£13.65	75
730P.110B	40	£24.88	75
730P.160B	40	£88.11	75
730P.200B	20	£366.97	75
730P.40B	25	£7.36	75
730P.50B	25	£11.09	75
730P.75B	50	£32.48	75
738P.50.90B	16	£26.79	75
738P.75.90B	10	£46.25	75
738P.110.90B	13	£85.98	75
738P.160.90B	6	£195.72	75
738P.200.90B	2	£722.29	75

Don't fight the system, use a better one.



Take a stand against convention and join the Advantage Rebellion, where things get a bit radical. Our complete drainage and water supply systems are designed and pre-fabricated off-site, reducing system install costs by as much as 30%, installation times by up to 60% and on-site fabrication waste by as much as 100%. Fully customised solutions, that are quality assured, pre-tested and delivered to site ready for immediate installation. **Join the Advantage Rebellion and change to a better system.**

Find out more at www.polypipe.com/polypipeadvantage

New drainage system and stack replacement to residential flats in Birmingham.



JBS Mechanical provide a range of plumbing, heating, mechanical and renewable energy services to residential and commercial clients across the UK having set up business in 2012. Based in Gloucestershire, they undertake projects of all sizes, and were approached by one their key clients to come in and undertake a commercial project in Birmingham city centre.

New drainage system and stack replacement to residential flats in Birmingham.

The project, based in Queensgate, is one of several live projects JBS Mechanical is doing for this client who specialises in converting former office buildings into residential apartments.

This project involves the creation of 66 flats over seven floors with the ground floor being used as retail/office space.

Because all the floors can be different due to their former use and their new design the installation team at JBS Mechanical decided to specify Polypipe Building Services Terrain Q products rather than traditional cast to speed up installation time and ensure any design changes could easily be made as the project progressed.

In total 36 Terrain Q stacks were used across this build. The use of the multi-layer noise-reducing Terrain Q drainage system product is an ideal choice in high-rise apartments.

It contains mineral-reinforced plastic with an anti-fouling additive which keeps the bore clear of deposits and helps to reduce noise levels within the system.

As a complete system it also includes pipe brackets and connectors with rubber bases to further absorb and disperse noise vibrations minimising the passage of structure borne sound.

Simon Rowe, Head of Major Works at JBS Mechanical said:

" We have carried out several projects for this customer where office blocks are being converted into residential flats from 60 flats to 280, depending on the building size.

" In this building there are differing layouts to deal with, as there is retail on the ground floor then floors one to six there are 10 flats, then there are six flats on the seventh floor and there are plans to put an eighth floor on top.

" We've used Terrain products before from Polypipe Building Services and we know they're good products, so while we have done jobs in cast because this project wasn't a new build it's far easier to deal with any issues with difference in slab heights and thicknesses."

CASE STUDY

Project

Office conversion to residential flats, Birmingham.

Client

JBS Mechanical.

Application

New drainage system and stack replacement.

Products

Terrain Q.





Introduction

Using the latest plastics manufacturing technology to satisfy the requirements of today's installers, the Terrain underground range offers a rigid pipe and a comprehensive range of fittings to suit all applications.

Terrain underground products represent the benchmark for quality, supported with outstanding service levels.

Our comprehensive range of underground drainage products are suitable for commercial, industrial, housing and public sector developments.

They are:

- Easy-to-lay
- Flexible, to accommodate normal ground movement
- Adaptable, to connect to existing drainage systems
- Unique products offer unrivalled installation options
- Suitable for commercial and domestic installations

Systems include:

Solid wall pipes and fittings

Available in 82, 110 and 160mm diameters. 110 and 160mm comply with BS EN 1401.

Pipe

	Size mm	Angle	Col	Pack/ Box	Code	Price Each	
	Pipe plain ended						
	82	(5.8m)	T	1/88	3DP58	£282.44	
	110	(5.8m)	♥	T	1/67	4DP58X	£296.37
	160	(5.8m)	♥	T	1/33	6DP58X	£610.90

Fittings

	Size mm	Angle	Col	Pack/ Box	Code	Price Each	
	Coupler double socket						
	With central stop.						
	82		T	10/60	3D20D	£57.31	
	110		♥	T	5/48	4D20D	£27.29
	160		♥	T	5/15	6D20D	£75.30
	Slip coupler						
	For inserting new fittings into existing pipework. (e.g. refurbishment or repair). No central stop.						
	110		T	5/45	4D20DSC	£40.79	
	Pipe end socket						
	110		♥	T	5/40	4D69	£46.11
	Short radius bend double socket						
	To change pipe direction: 87½°, 45°, 30° and 15° as standard.						
	82	87½	T	1/15	3D23D	£82.37	
	82	45	T	5/20	3D25D	£78.70	
	110	87½	♥	T	5/18	4D23D	£82.81
	110	45	♥	T	5/26	4D25D	£84.61
	160	87½	♥	T	1/6	6D23D	£196.70
	160	45	♥	T	1/8	6D25D	£196.70
	Rest bend double socket						
	To change 110mm pipe direction at base of soil stack: 87½° as standard.						
110		T	3/9	4D21D	£135.32		

Fittings

	Size mm	Angle	Col	Pack/ Box	Code	Price Each	
	Variable bend single socket						
	To change 110mm pipe direction by 0–25°. Any non-standard angle can be achieved if used in conjunction with a standard fitting.						
110	0-25	♥	T	5/25	4DV40	£115.37	
	Socket plug						
	To blank off any ring seal socket. With boss horn. For use with 117 boss horn, see page 36. Spigot outlet.						
	110		♥	T	6/54	4D68	£49.31
	160		♥	T	1/30	6D68	£95.44
	Access cap						
	To allow full bore access to 82mm, 110mm or 160mm pipework for inspection or rodding.						
	82		T	5/40	3D64	£4.92	
	110		♥	T	5/50	4D64	£95.13
	160		♥	T	1/15	6D64	£154.06
	Rodding eye						
	Material: Aluminium. Elliptical rodding eye with 110mm pipe size spigot. Access aperture size: 118x90mm.						
	110		Self	5/25	4DRE	£228.89	
	Single equal junction						
	To join 82mm branch pipe to 82mm main pipe at an angle: 45° as standard.						
82	45	T	1/20	3D33D	£118.14		
	Single equal junction - all equal sockets						
	To join 110mm or 160mm branch pipe to 110mm or 160mm main pipe at an angle: (110mm) 87½° and 45° as standard (160mm) 45° as standard						
	110	87½	♥	T	12	4D30D	£117.19
	160	87½	T	4	6D30D	£328.26	
	110	45	♥	T	12	4D33D	£117.19
	160	45	♥	T	3	6D33D	£328.26

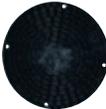
Fittings

	Size mm	Angle	Col	Pack/ Box	Code	Price Each
Single unequal junction - all socket						
To join 110mm branch pipe to 160mm main pipe at an angle: 45° and 87½° as standard.						
	160/110	45	♥	T 5	64D33D	£293.21
Gully trap						
Material: Polypropylene To obtain 'P' trap, add 45° bend.						
	110			T 4/12	4DG90	£98.36
'P' trap						
Material: PVCu To obtain 'Q' or 'S' trap, add 45° or 87½° bend.						
	110			T 4/8	4DG91	£178.23
Square hopper head						
Material: PVCu and Polypropylene Spigot outlet may be cut off to reveal socket which can accept solvent-welded pipe as extended spigot. Terracotta body with Black grid. 1 boss horn.						
	110			T 5/15	4DG92	£85.80
Rectangular hopper head						
Material: PVCu and Polypropylene Back inlet plate incorporates two easily removable discs to create apertures for insertion of 40mm waste pipes. Terracotta body with Black grid. 3 boss horns.						
	110			T 4/12	4DG93	£155.89
Circular gully						
Material: PVCu Incorporates plugged horizontal pipe entries: 2x110mm spigots, 1x110mm ring seal socket and 1x68mm rainwater pipe socket. Spigot outlet may be cut off to reveal socket which can accept solvent-welded pipe as extended spigot.						
	110			T 2/4	4DG80	£249.08

Fittings

	Size mm	Angle	Col	Pack/ Box	Code	Price Each
Bottle gully with round cover						
Material: PVCu and Polypropylene. Removable dip tube provides 50mm deep trap. Incorporates 110mm back inlet connection. Terracotta body with Black cover.						
	110			T 4	4DG97	£278.82
Bottle gully with square cover						
Material: PVCu and Polypropylene Removable dip tube provides 50mm deep trap Incorporates 2 x waste back inlet connections. Can also accept up to 6 different pipes either direct or via adaptors. Terracotta body with Black cover.						
	110			T 4	4DG89	£325.03

Gullies & Hoppers

	Size mm	Angle	Col	Pack/Box	Code	Price Each
Sealed cover						
	To cap 4DG80 Circular Gully or 4DG81 Extension Piece with screws and seal.					
	211		B	1/30	4DG82	£130.60
Circular grating						
	To provide an open grating for surface water drainage for 4DG80 Circular Gully or 4DG81 Extension Piece. Also: spare grating for 4DG97 Bottle Gully.					
	211		B	1/30	4DG83	£60.01
Raising piece						
	To extend upper aperture of 4DG97 and 4DG89 Bottle Gully to surface level or to lower horizontal pipe entries beneath surface level.					
	200		T	3	4DG96	£169.82
Square hopper head grid						
	Material: Polypropylene. Spare grid for 4DG92 Hopper Head.					
	155		B	1/100	4DG92G	£18.18
	Material: Polypropylene Spare grid for 4DG89 Hopper Head					
	232		B	1/15	4DG89G	£27.11
Square sealed cover						
	Material: Polypropylene. Converts 4DG92 Square Hopper. Head from open grid to sealed cover. With screws and seal.					
	155		B	1/100	4DG92GS	£80.42

Inspection Chambers

	Size mm	Angle	Col	Pack/Box	Code	Price Each
Shallow inspection chamber						
	To allow inspection of drainage system. Supplied with 2 plugs for unused entries. 200mm socket has angular tolerance of $\pm 7^\circ$ allowing up to 14° adjustment to accommodate pipe variation and ground fall. Access aperture size: 162x100mm. Requires seal 9116.4 found on page 65.					
	110		T	2	4DI600	£299.72
Sealed cover and frame						
	To cap 4DI600 Shallow Inspection Chamber. Ring seal joint to shaft					
	200		B	4/12	4DIFC1	£234.39
Inspection chamber base - 470mm diameter						
	Material: Polypropylene. To allow inspection of drainage system. Incorporating 110mm main channel and 4 x 110mm branch inlets. Supplied with 4 x blanking plugs					
	110		▽	B	1	4DI240B
Unequal inspection chamber base - 475 diameter						
	Material: Polypropylene supplied with 4 x blanking plugs. To allow inspection of drainage system, incorporating 160mm main channel, 2 x 160mm and 2 x 110mm branch inlets.					
	160/110		▽	B	1	64DI240B
Raising piece						
	Material: Polypropylene. To allow inspection of drainage system, incorporating 160mm main channel, 2 x 160mm and 2 x 110mm branch inlets.					
	470		▽	B	1	4DI215R
Seal ring						
	Suitable for 4DI215R.					
			▽	B	1	4DI215S

Reducers & Adaptors

	Size mm	Angle	Col	Pack/ Box	Code	Price Each	
Level invert taper							
Material: PVCu.							
Larger end spigot and smaller end socket.							
	110/82		♥	T	2/30	43DT	£56.30
	160/110		♥	T	4/24	64DT	£107.05
Universal waste adaptor							
Material: EPDM.							
For connecting 32mm, 40mm or 50mm waste pipe to 110mm underground drain pipe.							
	110		B	5/60	4DW200	£58.02	
Adaptor to above ground drain							
Material: Flex PVC.							
For connecting 82mm underground drain. External only.							
	82/68		B	5/60	3DW25	£61.58	
	110/68		B	5/50	4DW25	£58.02	
	110/82		B	5/50	4DW3	£59.30	
Material: Flex PVC. For connecting 62mm square downpipes to underground drainage system. For square downpipe.							
	110/62		B	5/50	4DW23	£59.30	
PVCu underground drain pipe to clay							
Material: PVCu. Socket for PVCu drain pipe and ribbed socket for other material. Cold caulked.							
	110		T	1/36	4D73	£76.64	
Lubricant							
Material: Silicone grease Soluble lubricant.							
For lubricating seal rings on expansion fittings.							
	250ml	Tub (silicone)		10/40	9136.250L	£116.06	
	500ml	Tub (soluble)		10/20	9136.500L	£23.97	

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Code	Pack Qty	Price	Page
Pipe and Fittings			
3D20D	10/60	£57.31	80
3D23D	1/15	£82.37	80
3D25D	5/20	£78.70	80
3D33D	1/20	£118.14	80
3D64	5/40	£4.92	80
3DP58	1/88	£282.44	80
4D20D	5/48	£27.29	80
4D20DSC	5/45	£40.79	80
4D21D	3/9	£135.32	80
4D23D	5/18	£82.81	80
4D25D	5/26	£84.61	80
4D30D	12	£117.19	80
4D33D	12	£117.19	80
4D63	1/40	£80.48	80
4D64	5/50	£95.13	80
4D68	6/54	£49.31	80
4D69	5/40	£46.11	80
4DG80	2/4	£249.08	81
4DG89	4	£325.03	81
4DG90	4/12	£98.36	81
4DG91	4/8	£178.23	81
4DG92	5/15	£85.80	81
4DG93	4/12	£155.89	81
4DG97	4	£278.82	81
4DP58X	1/67	£296.37	80
4DRE	5/25	£228.89	80
4DV40	5/25	£115.37	80
64D33D	5	£293.21	81
6D20D	5/15	£75.30	80
6D23D	1/6	£196.70	80
6D25D	1/8	£196.70	80
6D30D	4	£328.26	80
6D33D	3	£328.26	80
6D63	1/35	£143.30	80
6D64	1/15	£154.06	80
6D68	1/30	£95.44	80
6DP58X	1/33	£610.90	80

Gullies & Hoppers

4DG82	1/30	£130.60	82
4DG83	1/30	£60.01	82
4DG89G	1/15	£27.11	82
4DG92G	1/100	£18.18	82
4DG92GS	1/100	£80.42	82
4DG96	3	£169.82	82

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Code	Pack Qty	Price	Page
Inspection Chambers			
4DI215R	1	£196.90	82
4DI215S	1	£46.62	82
4DI240B	1	£485.05	82
4DI600	2	£299.72	82
4DIFC1	4/12	£234.39	82
64DI240B	1	£534.26	82
Reducers & Adaptors			
3DW25	5/60	£61.58	83
43DT	2/30	£56.30	83
4D73	1/36	£76.64	83
4DW200	5/60	£58.02	83
4DW23	5/50	£59.30	83
4DW25	5/50	£58.02	83
4DW3	5/50	£59.30	83
64DT	4/24	£107.05	83
9136.250L	10/40	£116.06	83
9136.500L	10/20	£23.97	83

Standards & Certification

Quality Assurance

Polypipe Building Services is accredited to the following Quality Management Systems:

BS EN ISO 9001 – Quality Management System

BS EN ISO 14001 – Environmental Management System

BS ISO 45001 – Occupational Health & Safety Management System

PAS 99 – Integrated Management Registration



Standards Compliance and Certifications

Terrain FUZE, HDPE Soil and Waste

Pipes and Electrofusion Couplings are manufactured in accordance with BS EN 1519 Standard and is covered by British Board of Agreement certificate 07/4479 and Kitemark certificate KM 729217.

Terrain Soil and Waste

Terrain Soil and Waste systems are manufactured in accordance with the appropriate British and European Standards and, where applicable, bear a kitemark (KM).

PVCu Soil systems – 82, 110 and 160mm Soil Pipes and Fittings
BS 4514 (KM 05252), BS EN 1329-1 (KM 57744) & BS EN 1453 (KM 751221)

PVCu Waste Systems – 32, 40 and 50mm Waste Pipes and Fittings
BS EN 1566 (KM 88038) and BS 5255 (KM 06413)

Terrain P.A.P.A.

British Board of Agreement certificate 18/5551

Air Admittance Valve

BS EN 12380 (KM 554663)

Solvent Liquid Weld

BS EN 14680 (KM 51564)

Underground

BS EN 13476 (KM 578526) BS EN 1401-1 (KM 57184)

MecFlow Fusion & MecFlow Press

MecFlow Supply Systems

MecFlow Supply Systems are manufactured in accordance with the appropriate British and European Standards and, where applicable, WRAS approved.

MecFlow Fusion

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

Standards & Certification

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.

BS EN 13501-1 Fire Classification of Construction Products and Building Elements. Part 1 – Classification using data from reaction to fire tests.

MecFlow Press

BS EN ISO 21003 Multilayer piping systems for hot and cold water installations inside buildings.

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

EN ISO 15875 Plastic piping systems for hot and cold water installations. Crosslinked Polyethylene (PE-X)

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

DIN EN ISO 4726 Warm water surface heating systems and radiator connecting systems - Plastics piping systems and multilayer piping systems.

DVGW Process Sheet W542

DVGW Process Sheet W534

KTW Recommendations

And

DIN EN 12163: 2011-08 / BS EN 12163: 2011-06

DIN EN 12165: 2011-08 / BS EN 12165: 2011-06

DIN EN 12249: 2014-09 / BS EN 12420: 2014-06

The product follows the provisions of the European Community directive no. 1935/2004, 2002/72/EC, 2004/11/EC and 2004/19/EC on the quality of drinking water.

BS EN 13501-1 Fire Classification of Construction Products and Building Elements. Part 1 – Classification using data from reaction to fire tests.

Polypipe Advantage

From time and cost-savings to scheduled system delivery and enhanced health & safety on site, there are a number of ways that the Polypipe Advantage service can benefit your project. There's never been a better time to experience these benefits for yourself. The construction industry is currently undergoing a period of change, brought about by technological advancements, shifts in the labour market and an increasing focus on environmental issues. Whichever system you require to help overcome your unique challenges, we make it. Simple.

Get in touch

See how Polypipe Advantage can benefit your next project.

Contact the Polypipe Advantage team and remove the complexity from design, estimation, fabrication, delivery and support.

Contact details below.

Availability

For details of local stockists, please contact Sales Support on 01622 795200.

Further information and assistance

Terrain products are backed by a comprehensive technical advisory service, available to provide advice and design guidance on all aspects of above and below ground drainage and supply systems.

Technical services include:

- On site advice and problem solving.
- Terrain drainage stacks and MecFlow Fusion bespoke parts are designed and fabricated through our Polypipe Advantage Service. Any items ordered through this service have a 21 day lead time.

For prompt assistance, please contact the Polypipe Advantage team:

T: 01622 795200 | E: commerciaLENquiries@polypipe.com

www.polypipe.com/commercial-building-services

1 GENERAL

1.1 In these conditions

1.1.1 "the Company" means Polypipe Limited, a company registered in England and Wales with registered number 1099323. Registered office: Broomhouse Lane, Edlington, Doncaster, DN12 1ES, United Kingdom.

1.1.2 "Customer" means the person with whom the Company contracts for the supply of Product pursuant to these conditions;

1.1.3 "Order" means any order submitted to the Company by a Customer;

1.1.4 "Order Confirmation" means any order confirmation submitted to the Customer by the Company;

1.1.5 "Product(s)" means the goods and/or services to be supplied by the Company as referred to and described in an Order which is accepted by the Company;

1.1.6 "Quotation" means the quotation submitted to the Customer by the Company prior to submission of an Order which details the prices at which the Customer may make an offer to purchase the Products;

1.1.7 "Writing" includes telex, cable, facsimile transmission, electronic data transfer and comparable means of communication.

1.2 A contract shall come into force between the Parties each time an Order is accepted by the Company, whether by issuing an Order Confirmation, by delivery, or otherwise, but not before. Subject to clause 1.3, (i) the terms of each contract shall be as set out in these conditions and the terms of any Order accepted by the Company, and (ii) in the event of any conflict between these conditions and any such Order, the terms of the Order shall prevail.

1.3 Save to the extent contemplated at clause 2.1, the parties agree that any terms and conditions submitted at any time by the Customer which have not been written specifically for the purposes of the Product requirement to which a specific Order relates (including, without limitation, any standard terms and conditions of purchase which are printed on any order documentation submitted by the Customer), shall not apply to any contractual dealings between the parties and shall not be deemed to constitute a counter-offer to purchase Products in accordance with those terms unless a specific intention is expressed for such terms and conditions to apply in respect of a specific Order notwithstanding this clause 1.3, and any failure by the Company to challenge or respond to any such terms and conditions does not imply and shall not constitute acceptance of those terms and conditions.

1.4 Unless otherwise stated therein Quotations shall be valid for a maximum period of 30 days from issue and may be withdrawn at any time by written or oral notice.

1.5 Any statement or representation (other than in the Company's Quotation or these terms and conditions) by the Company its servants or agents upon which the Customer wishes to rely must be set out in Writing and attached to or endorsed on the Customer's Order and in any such case the Company may confirm, reject or clarify the point and submit a new Quotation. Any statement or representation which is not so confirmed in Writing is followed or acted upon entirely at the Customer's own risk, and shall not form any part of the contract between the parties, and shall be deemed not to have influenced the Customer in deciding whether to enter into the contract.

1.6 The contract is between the Company and the Customer as principals; neither the benefit nor the burden is assignable by the Customer without the Company's written consent; the contract may be assigned or subcontracted by the Company.

1.7 Unless specifically agreed to the contrary all trade terms shall be interpreted in accordance with current INCOTERMS.

1.8 If, subsequent to any contract of sale which is subject to these conditions, a contract of sale is made with the same Customer without reference to any conditions of sale or purchase, such contract howsoever made shall be deemed to be subject to these conditions or (if different) the standard Conditions of Sale of the Company current at the time when such contract of sale is made.

2 ELECTRONIC TRADING

2.1 If the Company and Customer agree that electronic trading between them shall be a basis for order processing and invoicing then these terms and conditions shall apply subject to any special terms and conditions terms which are specific to electronic trading and which have been agreed by the parties in writing.

2.2 Electronic orders shall be valid if all the information agreed between the Customer and the Company as being required is properly set out in the agreed format and the order is transmitted by the Customer to the Company by reference to the correct identification code and is received by the Company when collecting its electronic mail from the relevant system.

3 DELIVERY

3.1 Unless otherwise agreed in Writing by the Company delivery shall be deemed to take place in the case of ex-works sales when the Products are made available by the Company for collection by the Customer or its carrier and in all other cases upon delivery by the Company to the agreed mainland UK delivery point airport or port but before the Products are unloaded, which shall be the responsibility of the Customer.

3.2 The Company shall not be obliged to make delivery unless and until the Company has received all necessary information, drawings, final instructions and approvals from the Customer and the Customer acknowledges that any delays or alterations by the Customer may result in delayed delivery for which the Company shall not be responsible.

3.3 All dates and periods for delivery are estimated and do not constitute fixed times for delivery by the Company. Unless such a right or rights are expressly agreed in Writing by the Company, the Customer shall have no right to damages or to cancel the contract for failure arising from any cause to meet any delivery times given in the contract or subsequently set.

3.4 Notwithstanding clause 3.3 the Customer shall be obliged to accept delivery on the date or within the period stated in the Quotation or (if none is so stated) no later than one month after the issue or notice in Writing by the Company requiring the Customer to accept delivery. Failure by the Customer either to take delivery or to make payment in respect of any one or more installments of Products shall entitle the Company to terminate the Contract (such right is without prejudice to any other rights and remedies available to the Company whether expressly provided for in these Conditions or implied by any rule of law).

3.5 Where the Customer requests and the Company agrees to postpone delivery or where delivery is otherwise postponed or delayed without default by the Company, the Customer shall pay upon receipt of written demand from the Company all costs and expenses including a reasonable charge for storage and transportation occasioned thereby and the Customer shall pay for the Products in accordance with these conditions as if the same had been delivered in the ordinary course without reference to the postponement or delay. In addition, the Company shall be entitled to claim interest pursuant to Clause 7.3.2 of these Conditions from the date on which payment would have fallen due, had the Products been delivered in the ordinary course but for the postponement or delay.

3.6 Unless otherwise expressly agreed in Writing the Company may effect delivery in one or more installments. Where delivery is effected by installments each installment shall be treated as a separate contract governed by these conditions. No delay in the delivery of any installment of Products or any defect therein shall entitle the Customer to terminate the remainder of the contract.

4 RISK AND TITLE

4.1 Risk of damage to or loss of the Products shall pass to the Customer upon delivery and the Customer is then solely responsible for all loss damage or deterioration to the Products.

4.2 Title to the Products shall not pass to the Customer until either:-

4.2.1 The Company has received in cash or cleared funds all monies payable (whether or not due) to the Company under this and any other contracts whenever made between the Company and the Customer including contracts made after this contract; or

4.2.2 When the Company serves on the Customer notice in Writing specifying that title in the Products or any part thereof has passed.

4.3 Until title has passed to the Customer the Company may require the Customer to deliver up to the Company all products in respect of which the Company has title and if the Customer fails to do so forthwith the Company's officers, employees, representatives or agents shall be entitled to enter upon any premises where such Products are kept for the purposes of recovering the same.

4.4 Until title to the Products has passed to the Customer pursuant to these conditions it shall possess the Products as fiduciary agent and bailee of the Company and shall store the Products separately from other goods not owned by the Company and shall ensure that they are fully insured on an all risks basis and clearly identifiable as belonging to the Company and the Company shall be entitled to enter upon any premises where such Products are kept for the purpose of satisfying itself that this condition is being complied with by the Customer.

4.5 In the event that the Customer has any contract with any other company under the ultimate control of the parent company that has ultimate control of the Company under which any monies are outstanding (whether or not due) then the Customer shall not (notwithstanding that title would otherwise pass pursuant to Clause 4.2

above) obtain title to the Products or other goods supplied by the Company under this or any other contracts between them until such other company has received in cash or cleared funds all such monies.

5 CANCELLATION AND AMENDMENT

5.1 No contract can be amended or cancelled except with the Company's approval in Writing and should such approval be given the Customer shall indemnify the Company against any costs, losses or expenses resulting from any cancellation or amendment.

6 PRICES

6.1 Unless otherwise agreed in Writing all prices shall be as stated in the valid Quotation or, if no valid Quotation is in place, the Company's prevailing standard price at the time of receipt of an Order, and are for delivery ex works and are exclusive of VAT and any other applicable taxes, which are payable in addition. Unless otherwise stipulated by the Company in Writing prices are payable in Sterling or if the Sterling currency has ceased to exist when the contract is made, shall be payable in such currency as replaces the Sterling currency.

6.2 The Company will endeavour to ensure that all prices on display/provided to Customers are correct and up to date. However, should a Customer place an Order using an incorrect price then the Customer agrees that the Company may substitute the incorrect price set out in the Order for the correct price (whether the price specified on a valid Quotation or the Company's prevailing standard price, as appropriate) and charge accordingly.

6.3 The Company shall be entitled at any time by giving notice in Writing, before or after final invoicing to make a reasonable adjustment to the price in the event of any alteration in quantity, design or specification requested by the Customer.

6.4 The Company reserves the right at any time prior to delivery by giving notice in Writing to increase the price if there is any increase in the cost of materials, labour, transport, or utilities or if the costs of the Company are increased by any other factor beyond the reasonable control of the Company.

6.5 Charges made on the Company's invoice for cases will be credited on their return to the Company's premises carriage paid and in good reusable condition. Cases shown as returnable but not charged on the Company's invoice must be returned to the Company's premises carriage paid and in good re-usable condition otherwise an additional charge will be made in respect of their cost.

6.6 The Customer shall be liable to the Company for any demurrage costs incurred in the event of vehicles being unduly delayed at the point of delivery.

7 TERMS OF PAYMENT

7.1 Unless otherwise agreed by the Company in Writing, the Customer shall make payment by the last day of the month following the month of invoice and the Company shall be entitled to issue invoices in the month in which the Products are delivered or would have been delivered, save for postponement or delay otherwise than due to default on the part of the Company. Time for payment of the price is of the essence of the contract.

7.2 No disputes arising under this contract shall serve to permit payment by the Customer of sums due to the Company to be delayed nor shall disputes interfere with prompt payment in full. The Buyer shall not be entitled to make any deduction from or set off against any sums owing to the Company by reason of any such dispute or at all.

7.3 In the event of default in payment by the Customer the Company shall be entitled, without prejudice to any other right or remedy:

7.3.1 to suspend without notice all further deliveries on this or any other contract between the Company and the Customer;

7.3.2 to charge interest on a daily basis (after as well as before judgement) on any amount outstanding at the rate of 4% above the Base Rate of Lloyds Bank plc from time to time; and/or

7.3.3 to serve notice on the Customer requiring immediate payment for all goods supplied by the Company under this and all other contracts between them whether or not payment is otherwise due or invoiced.

8 SPECIFICATIONS

8.1 Subject to Clause 8.2 the Products shall in all material respects be of such specification agreed between the Company and the Customer under the contract, or (if not so agreed) shall be generally in all materials respects in accordance with any published specification issued by the Company.

8.2 The Company reserves the right to make changes in dimensions or other specifications of the Products as are required to conform to applicable standards

or laws or are otherwise within reasonable limits having regard to the nature of the Products. Dimensions specified by the Company are to be treated as approximate only unless it is specifically agreed in Writing that exact measurements are required.

8.3 The Customer acknowledges that it has not specified any particular use for the Products and that it is entirely its own responsibility to satisfy itself that the Product is suitable for the use which it intends.

9 LOSS SHORTAGES AND DAMAGE APPARENT ON DELIVERY INSPECTIONS

9.1 The Customer shall have no claim for loss, shortages or damage on delivery which are or would be apparent on inspection unless the Customer:

9.1.1 unpacks and inspects the Products as soon as reasonably practicable following receipt;

9.1.2 notifies the Company of any loss, shortages or damage (otherwise than by a qualified signature on the delivery note) within ten working days of receipt; and

9.1.3 demonstrates to the satisfaction of the Company that such loss, shortages or damage occurred prior to delivery.

9.2 The Customer shall have no rights in respect of loss, shortages or damage unless the Company is given a reasonable opportunity to inspect the Products and investigate any complaint before any use of or alteration to or interference with the Products.

9.3 On a valid complaint made in accordance with this Clause the Customer shall be entitled (in the case of notified shortages) to receive within a reasonable time a delivery of Products equivalent to the shortfall and (in the case of defects) to repairs to or replacements for the affected Products or at the Company's option a credit for the price thereof but the Company shall have no further liability whatsoever. If a complaint of loss, shortages or damage on delivery is not made to the Company in accordance with this Clause 9 within 5 working days of the date of delivery, then the Products shall be deemed to be delivered complete and undamaged in accordance with the contract and the Customer shall be bound to pay for the same accordingly.

9.4 Loss, shortages or damage in a delivery or any installment delivery shall not be a ground for termination of the contract or the remainder of the contract (as the case may be).

10 WARRANTY

10.1 The Company warrants that Products which do not comply with either Clause 8.1 or Sections 13 to 15 of the Sale of Goods Act 1979 (as amended) are shown to have been defective at delivery as a result of faulty design workmanship or materials (other than free-issue materials), shall either be repaired or replaced or that, at the Company's option, a credit or refund for the price thereof shall be given provided always that:

10.1.1 the Company receives written notice of the defect within 12 months of delivery;

10.1.2 no alteration to or interference with the Products takes place before the Company is given access to the Products to inspect and test the same;

10.1.3 the defect does not consist of a loss shortage or damage to which Clause 9 is expressed to apply;

10.1.4 the defect does not arise by reason of a design specification or instruction given by the Customer;

10.1.5 the Customer has not defaulted in its obligation to make payment of the contract price for the Products;

10.1.6 the defect shall not be attributable to incorrect storage or use of the Products by the Customer.

10.2 The benefit of Clause 10.1 shall only extend to Products or parts not manufactured by the Company to the extent that the Company has equivalent recourse against the manufacturer or supplier thereof.

10.3 The Customer shall indemnify the Company in respect of loss or damage arising from any use made of Products after the Customer became or ought reasonably to have been aware of a defect.

10.4 In the event of a valid claim being made in accordance with Clause 10.1:

10.4.1 the Customer shall be bound to accept repaired or replacement Products or at the Company's option credit or repayment and shall not be entitled to terminate the contract;

10.4.2 if the Company does not repair or replace Products within 60 days or such longer time as may be reasonable then the Customer's sole remedy shall be an entitlement to full credit or repayment in respect of the defective Products; and the Company shall be under no further liability in respect of any loss or damage

arising from the defect or from any delay before repair replacement credit or refund is effected.

11 LIABILITY

11.1 The Company does not exclude liability arising under Section 12 of the Sale of Goods Act 1979 (good title) (as amended) or for death or personal injury caused by its negligence as defined in the Unfair Contract Terms Act 1977, fraudulent misrepresentation or any other type of liability which cannot by law be excluded or limited

11.2 Save as provided under Clauses 9, 10 and 11.1 the Company shall have no liability to the Customer in connection with or arising from any defect or failure in the Products or otherwise due to the quality, condition, suitability, durability, safety or any other aspect or feature of the Products. The Company's liability, whether in respect of one claim or in the aggregate, shall not exceed the contract price payable under this contract for the supply of Products to be provided under it. The price of the Products is predicated on the basis of the limitations and exclusions set out in these conditions. The Customer acknowledges that without those exclusions and limitations, the price of the Products would be higher and that the limitation of the Company's liability is therefore reasonable in all the circumstances. The Customer agrees that it is its own responsibility to insure adequately to cover any loss or damage in excess of the aforesaid limit of the Company's liability. Subject to reaching agreement on terms, the Company and the Customer may determine an increased level of liability which is to be accepted in Writing by the Company to cover, in particular specific types of loss or damage which both parties reasonably foresee and anticipate.

11.3 In Clause 11.2 the term "liability" means any form of liability whatsoever including but not limited to liability in misrepresentation and under contract, common law, equity and any statutory provision whether or not based on negligence or breach of any express or implied duty to act with care or skill.

11.4 Notwithstanding any other provisions of these conditions the Customer shall have no claim against the Company in respect of any loss other than strictly direct losses (meaning for these purposes the increased costs of purchasing products from a third party or the cost of remedial repair work) and specifically consequential, financial economic loss whether direct or indirect including but not limited to any incidental costs of dismantling fitting or other ancillary work required in connection with the provision of a repair or replacement, any loss or production profits contracts loss of use or anticipated savings and any claims made against the Customer by any third party are excluded even if reasonably foreseeable.

11.5 To the extent that any liability of the Company is expressed to be limited or excluded by these conditions the Customer shall indemnify the Company in respect thereof.

12 CONFIDENTIAL INFORMATION ETC

12.1 All drawings, documents, records, computer software and other information supplied by the Company are supplied on the express understanding that all intellectual property rights therein is reserved to the Company and that the Customer will not without written consent of the Company either give away, loan, exhibit, or sell the same or extracts therefrom or copies thereof or use the same in any way except in connection with the Products in respect of which they are issued.

13 PATENT INDEMNITIES

13.1 If the Customer is subject to a claim or threatened with any action alleging that the Products in the form supplied infringe any patent, copyright, design right or other intellectual property right then provided that the Customer promptly informs and fully co-operates with the Company and if requested allows the Company the conduct and defence thereof on the Customer's behalf, the Company will indemnify the Customer against any award or damages for infringement made in any such action by a court or other competent body against the Customer. Further, if the Products are infringing the Customer agrees that the company shall have the option at its own expense either to modify the Products so that they do not infringe; to replace the Products with a non-infringing substitute; to procure for the Customer the right for the Customer to continue its use of the Products; or to repurchase the Products from the Customer at the price paid by the Customer less an allowance for the use made thereof.

13.2 The Company shall have no liability in respect of claims for infringement or alleged infringement of third parties patent or other intellectual property rights arising from the manufacture or supply of the Products to the Customer's instructions or in accordance with designs plans or specifications given by the Customer and the Customer shall indemnify the Company against all losses damages expenses costs or other liability arising from such claims.

14 CUSTOMER'S DRAWINGS

14.1 The Customer shall be solely responsible for ensuring that all drawings information advice and recommendations specified or given to the Company by the Customer or its agents, servants, consultants or advisers are accurate correct and suitable. Examination or consideration by the Company of such drawings information advice or recommendations shall not result in any liability on the part of the Company.

15 COMPANY LITERATURE

15.1 The information contained in the advertising, sales, technical, and other literature issued by the Company may be relied upon to be accurate in the exact circumstances in which it is expressed otherwise any illustrations performance details examples of installations and methods of assembly and all other information and data in such literature are based on experience and upon trials under test conditions and are provided for general guidance only. No such information or data shall form part of the contract unless it is specifically referred to in the Quotation.

16 TERMINATION

16.1 Without prejudice to any other rights or remedies of the Company it shall be entitled in any of the following circumstances to terminate (in whole or in part) this and any other contract whenever made between the Company and the Customer and/or to suspend deliveries and/or to receive upon demand payment of all monies payable under any such contracts whether or not otherwise due:

16.1.1 The Customer made or proposes any voluntary arrangement with its creditors or becomes subject to an administration order or becomes bankrupt or goes into liquidation;

16.1.2 an encumbrancer takes possession or a receiver is appointed of any of the property or assets of the Customer;

16.1.3 The Customer becomes unable to satisfy its debts as they fall due or cease, or threatens to cease to carry on business;

16.1.4 The Customer reasonably believes that any of the events mentioned above or any equivalent or similar event under any relevant laws to which the Customer or any connected person is subject has or may occur;

16.1.5 The Customer or any connected person commits any breach of this or any other contract whenever made between the Customer and the Company.

17 FORCE MAJEURE

17.1 The Company shall be excused performance of its obligations whilst and if affected by act of God governmental restriction condition or control, any act done or not done pursuant to a trade dispute whether such dispute involves its employees or not, default by suppliers of the Company, shortage of materials or by any other act matter or thing beyond its reasonable control including failure by the other party to carry out anything required for performance of the contract.

17.2 In the event that the Company does not perform its obligations by reason of any of the causes referred to in Clause 17.1 within six months after the time for performance then the Company or the Customer may by written notice terminate the contract without liability save that the Customer shall pay for any Products delivered or completed at the time of termination.

18 TOOLS

18.1 Any tools (such as jigs, dies, etc) which the Company may construct or acquire specifically in connection with the Products shall, notwithstanding any charges the Company may make for them, be and remain the Company's sole and unencumbered property and in the Company's possession and control without restriction.

19 FREE-ISSUE MATERIALS

19.1 Free-issue material shall be insured by and remain at the risk of the Customer at all times and the Company shall be indemnified by the Customer against any loss, damage, injury or expense whatsoever arising directly or indirectly therefrom and the company shall not be liable for loss of or damage to any such materials during fabrication by the Company or sub-contractor employed by Company or whilst on the premises of the Company or of any such sub-contractor or in transit to or from the premises of the Company or of any such sub-contractor provided that the Company may at its sole discretion make a contribution towards the replacement costs of such materials.

19.2 An allowance for material lost as process scrap is (where applicable) included in the contract price and no such losses shall be the subject of any claim by the Customer or contribution by the Company.

19.3 Where materials are supplied by or on behalf of the Company the Customer shall be responsible to ensure that the material is of satisfactory quality and is fit

for its purpose and shall indemnify be Company against any loss damage, injury or expenses whatsoever arising directly or indirectly from any fault in or incorrect specification of the said materials.

20 CONSUMER PROTECTION ACT 1987

20.1 Where the Customer purchases the Products for use or incorporation with any other products to be assembled, produced, processed packed or supplied by the Customer or for resale or supply ancillary to any such other products or other products supplied by the Customer then:

20.1.1 The Customer shall forthwith on demand produce for inspection by the Company copies of all written instructions information and warnings to be supplied by the Customer in relation thereto provided nevertheless that such inspection or right to inspect shall not give rise to any responsibility or liability on the part of the Company; and

20.1.2 The Customer shall indemnify the Company against any losses, costs and damages that the Company may suffer or incur in the event any claim is made against the Company in relation thereto if the Products did not comprise the defective element thereof or were rendered defective by reason of actions or omissions of the Customer (including without limitation the supply of defective free-issue materials) or were rendered defective by reason of instructions or warnings given or omitted by the Customer or other reseller.

20.2 For the purpose of Clause 20.1 the term "defective" shall be interpreted in accordance with the definition contained in Part 1 of the Consumer Protection Act 1987.

21 HEALTH & SAFETY

21.1 The Customer agrees to pay due regard to any information supplied by the Company relating to the use for which the Products are designed or have been tested or concerning conditions necessary to ensure that they will be safe and without risk to health at all times when they are being set, used, cleaned, serviced or maintained by any person and the Customer undertakes to take such steps as may be specified by such information or otherwise necessary to ensure that as far as is reasonably practicable the Products will be safe and without risk to health at all times as mentioned above.

22 LAW AND JURISDICTION ETC

22.1 The Contract shall be governed and interpreted exclusively according to the Laws of England. The parties hereby agree to submit to the exclusive jurisdiction of the English courts provided that the Company may at its option take proceedings in the courts of the state in which the Customer is domiciled including action to obtain any remedy (including injunctive relief). In the case of any order for the export of Products, the Schedule to the Uniform Law on International Sales Act 1967 shall not in any circumstances apply to the Contract and neither shall the limits imposed by the Unfair Contract Terms Act 1977 on the extent to which liability can be excluded or limited.

22.2 No waiver of or delay or failure by the Company to exercise any rights or remedies shall prejudice or preclude any future or further exercise thereof.

22.3 If any provision of these conditions shall be held invalid or unenforceable in whole or in part then the unaffected provisions shall remain in full force and effect. Headings appear for convenience only and shall not affect the Construction of these conditions.

22.4 If the Contract provides for the supply of services and no general conditions of the Company relating specifically to the supply of services are made applicable to such services then these conditions shall mutatis mutandis apply to such services as they would apply to Products and in such event Clause 10.1 will be deemed to include a reference to Sections 3 to 5 of the Supply of Goods and Services Act 1982 (as amended), either in addition to or in place of the reference to Sections 13 to 15 of the Sale of Goods Act 1979 (as amended) as may be appropriate. For the avoidance of doubt the following provisions apply where the Company supplies services to the Customer in accordance with clause 22.4:-

22.4.1 The Company's obligation to provide the services is in any event conditional upon payment of the agreed price for the services. Any default or delay in payment according to the terms agreed between the Company and the Customer shall entitle the Company at its option to decline to perform or decline to continue to perform its obligations hereunder but without thereby incurring any liability to the Customer.

22.4.2 Save to the extent that by reason of negligence on the part of the Company in the performance of the services which results in death or personal injury (which the Company does not limit or exclude), the Company's liability under the contract shall be limited to the amount of charges paid to the Company in return for the

services and in particular the Company accepts responsibility only for direct and unavoidable loss or damage arising from any negligence in the provision of services and in particular all other types of loss whether economic, financial, indirect or consequential and whether reasonably foreseeable or not are excluded to the fullest extent permitted by law.

22.4.3 The Customer shall lend all such reasonable assistance to the Company in the performance of the services as the Company shall reasonably require.

22.4.4 The Customer shall indemnify and keep the Company, its employees, agents and contractors indemnified at all times from and against any loss or damage and injury caused to persons or property in the course of the provision of the services where such loss or damage arises by reason of the Customer's negligence or negligence of persons under the control of the Customer.

22.4.5 The Customer acknowledges and agrees that if due to the act or omission of the Customer, the Company is not able, having attended at the Customer's premises to perform the services, the Company shall be entitled to claim reasonable additional costs and expenses from the Customer occasioned by any resulting delay in the provisions of the services.

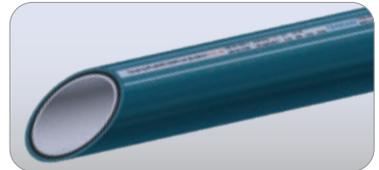
22.5 In cases for the sale or supply of Products overseas, the following additional provisions shall apply unless otherwise stipulated in writing by the Company:

22.5.1 The Customer shall be solely responsible for obtaining all necessary import authorisations, the payment of any applicable import taxes, duties or imposts and the Company shall be under no obligation to give the Customer the notice specified in Section 32(3) of the Sale of Goods Act 1979 (or any re-enactment thereof);

22.5.2 Quotations issued in a currency other than Sterling may at the Company's option, unless otherwise agreed in writing, be subject to amendment in the event of fluctuations in the applicable exchange rate prior to the date of invoice;

22.5.3 payment in respect of Products for export is due on the date specified by the Company at the date when the Contract is made, in the currency stated in the invoice and in accordance with the method of payment stipulated by the Company. All costs incurred by the Company in connection with the designated particular method of payment shall be met by the customer.

22.5.4 If you are a consumer within the meaning of the Distance Selling Regulations 2000 and you have bought the products detailed overleaf over telephone, internet or via mail order then within seven days of receipt of your products you have the right to cancel your order and return the Products for a full refund.



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