

Water Supply & Drainage Systems



Price List 2026

Introduction



About us

Polypipe Building Services is the leading provider of engineered drainage and water supply solutions to the commercial construction sector. We help customers to complete safe and sustainable installations within high-rise residential, office, education, healthcare and leisure properties – both new build and retrofit.

We also create complete systems through the Polypipe Advantage Off-site Prefabrication Service. Advantage solutions are customised to specific project requirements, manufactured under controlled factory conditions and delivered pre-tested, ready for on-site installation or incorporation within prefabricated units.

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.

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.

As part of the Genuit Group, Polypipe Building Services is focused on making the built environment more sustainable - thereby creating a more resilient society and planet. At Genuit, sustainability is core to our commercial strategy, driving innovation in both how we run our business and the products we create.

We find solutions for the environmental challenges facing our infrastructure, our buildings and our communities, and deliver these at scale.

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



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TOUGHEN UP!

With
**MecFlow Fusion
Manifolds.**

MecFlow Fusion Manifolds are the most effective solution for taking a water supply off the riser.

Fully prefabricated, they deliver fast installation with the reliability of precision-designed components manufactured under factory conditions.

Available off-the-shelf in a wide range of sizes and configurations, bespoke versions are also available to match the most specialised system brief.

MecFlow Fusion Manifolds are made from the same robust PP-RCT material as the rest of the MecFlow Fusion range and carry a B-s1, d0* fire rating, so they're tough enough to handle any supply installation.

To find out more, scan QR code or visit
www.polypipebuildingservices.com



*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 boosted cold water, low temperature hot water, chilled water and heating systems in healthcare, leisure, multi occupancy and high-rise building projects.

The range is available for self-assembly, or as pre-assembled sections through our Advantage service with the added benefit of our unique CLICKWELD™ electrofusion jointing method.

The pipe has three layers:

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

The intermediate layer benefits from the addition of microfibres set in a mesh formation, working to reduce thermal expansion, which 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.

Fittings are moulded from PP-RCT or fabricated from MecFlow Fusion Pipe (dependent on diameter), with all threaded adaptors made from dezincification resistant (DZR) brass, ensuring performance over the installation's lifetime.

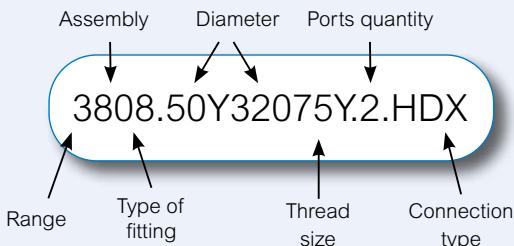
The system is available in a wide range of diameters from 20mm – 315mm, and uses known and trusted welding techniques including electrofusion, CLICKWELD™, socket and butt welding (diameter dependent) to install.

MecFlow Fusion - the optimal solution for running supply pipework up risers, along corridors or to plant equipment.

*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

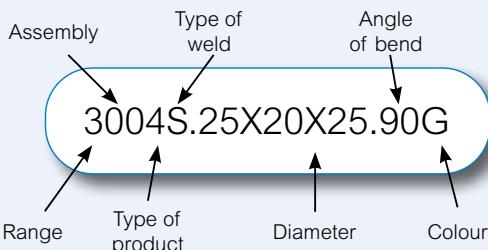
MecFlow Supply Systems - 3000 Fusion

Size mm	Ports	Col	Pack/Box	Code	Price Each
Manifolds- Horizontal - Drain, Male Thread					
1½" / 50 / 4"	2	R G	1	3808.50Y32075Y.2.HDX	£881.17
1½" / 50 / 4"	3	R G	1	3808.50Y32075Y.3.HDX	£1,131.49
1½" / 50 / 4"	4	R G	1	3808.50Y32075Y.4.HDX	£1,305.54
1½" / 50 / 4"	5	R G	1	3808.50Y32075Y.5.HDX	£1,555.91
1½" / 50 / 4"	6	R G	1	3808.50Y32075Y.6.HDX	£1,729.95
1½" / 50 / 4"	7	R G	1	3808.50Y32075Y.7.HDX	£1,980.27
1½" / 50 / 4"	8	R G	1	3808.50Y32075Y.8.HDX	£2,154.36
1½" / 50 / 4"	9	R G	1	3808.50Y32075Y.9.HDX	£2,073.54
1½" / 50 / 4"	10	R G	1	3808.50Y32075Y.10.HDX	£2,247.43
1½" / 50 / 4"	11	R G	1	3808.50Y32075Y.11.HDX	£2,466.18
1½" / 50 / 4"	12	R G	1	3808.50Y32075Y.12.HDX	£2,608.72
Manifolds- Horizontal - No Drain, Male Thread					
1½" / 50 / 4"	2	R G	1	3818.50Y32075Y.2.HX	£842.62
1½" / 50 / 4"	3	R G	1	3818.50Y32075Y.3.HX	£1,092.95
1½" / 50 / 4"	4	R G	1	3818.50Y32075Y.4.HX	£1,266.99
1½" / 50 / 4"	5	R G	1	3818.50Y32075Y.5.HX	£1,517.31
1½" / 50 / 4"	6	R G	1	3818.50Y32075Y.6.HX	£1,691.40
1½" / 50 / 4"	7	R G	1	3818.50Y32075Y.7.HX	£1,941.72
1½" / 50 / 4"	8	R G	1	3818.50Y32075Y.8.HX	£1,847.59
1½" / 50 / 4"	9	R G	1	3818.50Y32075Y.9.HX	£2,034.98
1½" / 50 / 4"	10	R G	1	3818.50Y32075Y.10.HX	£2,208.89
1½" / 50 / 4"	11	R G	1	3818.50Y32075Y.11.HX	£2,427.64
1½" / 50 / 4"	12	R G	1	3818.50Y32075Y.12.HX	£2,570.12
Manifolds- Vertical - Drain, Male Thread					
1½" / 50 / 4"	2	R G	1	3808.50Y32075Y.2.VDX	£800.20
1½" / 50 / 4"	3	R G	1	3808.50Y32075Y.3.VDX	£1,050.53
1½" / 50 / 4"	4	R G	1	3808.50Y32075Y.4.VDX	£1,224.56
1½" / 50 / 4"	5	R G	1	3808.50Y32075Y.5.VDX	£1,474.88
1½" / 50 / 4"	6	R G	1	3808.50Y32075Y.6.VDX	£1,648.98
1½" / 50 / 4"	7	R G	1	3808.50Y32075Y.7.VDX	£1,899.30
1½" / 50 / 4"	8	R G	1	3808.50Y32075Y.8.VDX	£1,805.17
1½" / 50 / 4"	9	R G	1	3808.50Y32075Y.9.VDX	£1,992.56
1½" / 50 / 4"	10	R G	1	3808.50Y32075Y.10.VDX	£2,166.42
1½" / 50 / 4"	11	R G	1	3808.50Y32075Y.11.VDX	£2,385.22
1½" / 50 / 4"	12	R G	1	3808.50Y32075Y.12.VDX	£2,527.70
Manifolds- Vertical - No Drain, Male Thread					
1½" / 50 / 4"	2	R G	1	3818.50Y32075Y.2.VX	£761.61
1½" / 50 / 4"	3	R G	1	3818.50Y32075Y.3.VX	£1,011.97
1½" / 50 / 4"	4	R G	1	3818.50Y32075Y.4.VX	£1,186.03
1½" / 50 / 4"	5	R G	1	3818.50Y32075Y.5.VX	£1,436.33
1½" / 50 / 4"	6	R G	1	3818.50Y32075Y.6.VX	£1,610.38
1½" / 50 / 4"	7	R G	1	3818.50Y32075Y.7.VX	£1,860.75
1½" / 50 / 4"	8	R G	1	3818.50Y32075Y.8.VX	£1,766.58
1½" / 50 / 4"	9	R G	1	3818.50Y32075Y.9.VX	£1,954.01
1½" / 50 / 4"	10	R G	1	3818.50Y32075Y.10.VX	£2,127.87
1½" / 50 / 4"	11	R G	1	3818.50Y32075Y.11.VX	£2,346.67
1½" / 50 / 4"	12	R G	1	3818.50Y32075Y.12.VX	£2,489.15

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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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 - 3000 Fusion

Size mm	Angle	Col	Pack/Box	Code	Price Each
Pipe					
Plain Ended					
20 (4m)	█	G	-	3000.3.20.40G	£41.31
25 (4m)	█	G	-	3000.3.25.40G	£64.68
32 (4m)	█	G	-	3000.3.32.40G	£77.59
40 (4m)	█	G	-	3000.5.40.40G	£139.23
50 (4m)	█	G	-	3000.5.50.40G	£169.26
63 (4m)	█	G	-	3000.5.63.40G	£226.13
75 (4m)	█	G	-	3000.5.75.40G	£298.72
90 (4m)	█	G	-	3000.5.90.40G	£422.09
110 (4m)	█	G	-	3000.5.110.40G	£582.50
125 (5.8m)	█	G	-	3000.5.125.58G	£1,100.59
160 (5.8m)		G	-	3000.5.160.58G	£1,648.24
200 (5.8m)		G	-	3000.5.200.58G	£3,694.65
250 (5.8m)		G	-	3000.5.250.58G	£5,943.80
315 (5.8m)		G	-	3000.5.315.58G	£9,250.84



Electrofusion Coupler



Double Socket - Electrofusion

20	█	G	-	3010.20G	£45.55
25	█	G	-	3010.25G	£48.16
32	█	G	-	3010.32G	£70.97
40	█	G	-	3010.40G	£92.09
50	█	G	-	3010.50G	£105.96
63	█	G	-	3010.63G	£122.82
75	█	G	-	3010.75G	£171.62
90	█	G	-	3010.90G	£203.24
110	█	G	-	3010.110G	£237.84
125	█	G	-	3010.125G	£353.25
160	█	G	-	3010.160G	£542.60
200	█	G	-	3010.200G	£838.14
250	█	G	-	3010.250G	£1,695.42
315	█	G	-	3010.315G	£2,350.13

Double Socket



Double Socket - Socket Weld

20	█	G	-	3011S.20G	£1.24
25	█	G	-	3011S.25G	£1.59
32	█	G	-	3011S.32G	£4.81
40	█	G	-	3011S.40G	£7.12
50	█	G	-	3011S.50G	£12.89
63	█	G	-	3011S.63G	£16.53
75	█	G	-	3011S.75G	£33.50
90	█	G	-	3011S.90G	£53.19
110	█	G	-	3011S.110G	£75.34
125	█	G	-	3011S.125G	£116.00

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	R	G	-	£2.21
25	45	R	G	-	£2.79
32	45	R	G	-	£5.91
40	45	R	G	-	£15.19
50	45	R	G	-	£27.71
63	45	R	G	-	£36.23
75	45	R	G	-	£53.19
90	45	R	G	-	£106.37
110	45	R	G	-	£138.45
125	45	R	G	-	£222.55
Plain End - Butt Weld					
160	45		G	-	£359.80
200	45		G	-	£632.53
250	45		G	-	£1,049.51
315	45		G	-	£2,062.35
Elbow 90°					
Double Socket - Socket Weld					
20	90	R	G	-	£1.40
25	90	R	G	-	£2.21
32	90	R	G	-	£5.91
40	90	R	G	-	£13.80
50	90	R	G	-	£23.74
63	90	R	G	-	£31.14
75	90	R	G	-	£53.40
90	90	R	G	-	£101.05
110	90	R	G	-	£166.06
125	90	R	G	-	£227.47
Plain End - Butt Weld					
160	90		G	-	£433.09
200	90		G	-	£850.79
250	90		G	-	£1,407.28
315	90		G	-	£3,091.28
Tee					
Triple Socket - Socket Weld					
20	90	R	G	-	£1.90
25	90	R	G	-	£2.48
32	90	R	G	-	£8.37
40	90	R	G	-	£10.89
50	90	R	G	-	£15.12
63	90	R	G	-	£28.57
75	90	R	G	-	£106.00
90	90	R	G	-	£150.95
110	90	R	G	-	£226.74
125	90	R	G	-	£300.93
Triple Spigot - Butt Weld					
160	90		G	-	£616.31
200	90		G	-	£1,128.49
250	90		G	-	£1,853.26
315	90		G	-	£3,188.48

MecFlow Supply Systems - 3000 Fusion

Size mm	Angle	Col	Pack/Box	Code	Price Each
Reducing Tee					
Triple Socket - Socket Weld					
25/20	90	R	G	-	3004S.25X20X25.90G
32/20	90	R	G	-	3004S.32X20X32.90G
32/25	90	R	G	-	3004S.32X25X32.90G
40/20	90	R	G	-	3004S.40X20X40.90G
40/25	90	R	G	-	3004S.40X25X40.90G
40/32	90	R	G	-	3004S.40X32X40.90G
50/25	90	R	G	-	3004S.50X25X50.90G
50/32	90	R	G	-	3004S.50X32X50.90G
50/40	90	R	G	-	3004S.50X40X50.90G
63/32	90	R	G	-	3004S.63X32X63.90G
63/40	90	R	G	-	3004S.63X40X63.90G
63/50	90	R	G	-	3004S.63X50X63.90G
75/32	90	R	G	-	3004S.75X32X75.90G
75/40	90	R	G	-	3004S.75X40X75.90G
75/50	90	R	G	-	3004S.75X50X75.90G
75/63	90	R	G	-	3004S.75X63X75.90G
90/50	90	R	G	-	3004S.90X50X90.90G
90/63	90	R	G	-	3004S.90X63X90.90G
90/75	90	R	G	-	3004S.90X75X90.90G
110/63	90	R	G	-	3004S.110X63X110.90G
110/75	90	R	G	-	3004S.110X75X110.90G
110/90	90	R	G	-	3004S.110X90X110.90G
Triple Spigot - Butt Weld					
160/110	90	G	-	3004B.5.160X110X160.90G	£508.19
160/125	90	G	-	3004B.5.160X125X160.90G	£540.06
200/125	90	G	-	3004B.5.200X125X200.90G	£626.54
200/160	90	G	-	3004B.5.200X160X200.90G	£974.24
250/160	90	G	-	3004B.5.250X160X250.90G	£1,436.21
250/200	90	G	-	3004B.5.250X200X250.90G	£1,642.94
315/160	90	G	-	3004B.5.315X160X315.90G	£2,146.51
315/200	90	G	-	3004B.5.315X200X315.90G	£2,236.74
Reducer					
Spigot / Socket - Socket Weld					
25/20	R	G	-	3024S.25X20G	£1.47
32/20	R	G	-	3024S.32X20G	£1.86
32/25	R	G	-	3024S.32X25G	£1.86
40/25	R	G	-	3024S.40X25G	£3.95
40/32	R	G	-	3024S.40X32G	£7.77
50/32	R	G	-	3024S.50X32G	£11.63
50/40	R	G	-	3024S.50X40G	£12.21
63/32	R	G	-	3024S.63X32G	£15.03
63/40	R	G	-	3024S.63X40G	£16.53
63/50	R	G	-	3024S.63X50G	£18.18
75/32	R	G	-	3024S.75X32G	£24.24
75/40	R	G	-	3024S.75X40G	£27.39
75/50	R	G	-	3024S.75X50G	£28.02
75/63	R	G	-	3024S.75X63G	£28.02
90/63	R	G	-	3024S.90X63G	£42.55
90/75	R	G	-	3024S.90X75G	£42.55
110/50	R	G	-	3024S.110X50G	£100.88
110/63	R	G	-	3024S.110X63G	£100.94

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MecFlow Supply Systems

MecFlow Supply Systems - 3000 Fusion

Size mm	Angle	Col	Pack/Box	Code	Price Each
Reducer					
	110/75	R	G	-	3024S.110X75G
	110/90	R	G	-	3024S.110X90G
	125/50	R	G	-	3024S.125X50G
	125/110	R	G	-	3024S.125X110G
	160/125	R	G	-	3024S.160X125G
Double Spigot - Butt Weld					
	200/125		G	-	3024B.5.200X125G
	200/160		G	-	3024B.5.200X160G
	250/160		G	-	3024B.5.250X160G
	250/200		G	-	3024B.5.250X200G
	315/200		G	-	3024B.5.315X200G
	315/250		G	-	3024B.5.315X250G
Threaded Adaptor					
Threaded Adaptor - Socket Weld to Female BSP					
	20 1/2"	R	G	-	3016S.20X05G
	25 1/2"	R	G	-	3016S.25X05G
	25 3/4"	R	G	-	3016S.25X075G
	32 3/4"	R	G	-	3016S.32X075G
Threaded Adaptor - Socket Weld to Female Hex Nut BSP					
	32 1/2"	R	G	-	3016S.32X1G
	40 1/4"	R	G	-	3016S.40X125G
	50 1/2"	R	G	-	3016S.50X15G
	63 2/3"	R	G	-	3016S.63X2G
	75 2/3"	R	G	-	3016S.75X25G
	90 3/8"	R	G	-	3016S.90X3G
	110 4/8"	R	G	-	3016S.110X4G
Threaded Adaptor - Elbow, Socket Weld to Female BSP					
	32 3/4"	90	R	G	-
				3016S.32X075.90G	£25.18
Threaded Adaptor - Elbow, Socket Weld to Female Hex Nut BSP					
	32 1/2"		R		3016S.32X1.90G
					£51.87
Threaded Adaptor - Socket Weld to Male BSP					
	20 1/2"	R	G	-	3017S.20X05G
	25 1/2"	R	G	-	3017S.25X05G
	25 3/4"	R	G	-	3017S.25X075G

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					
32/3/4"		R	G	-	3017S.32X075G
32/1"		R	G	-	3017S.32X1G
40/1 1/4"		R	G	-	3017S.40X125G
50/1 1/2"		R	G	-	3017S.50X15G
63/2"		R	G	-	3017S.63X2G
75/2 1/2"		R	G	-	3017S.75X25G
90/3"		R	G	-	3017S.90X3G
110/4"		R	G	-	3017S.110X4G
£43.78					
£61.28					
£129.05					
£181.68					
£235.11					
£391.84					
£658.29					
£1,017.51					
Threaded Adaptor - Elbow, Socket Weld to Male BSP					
32/3/4"	90	R	G	-	3017S.32X075.90G
£27.59					
Threaded Adaptor - Elbow, Socket Weld to Male Hex Nut BSP					
32/1"	90	R	G	-	3017S.32X1.90G
£55.08					
Threaded Adaptor - Union, Socket Weld to Female Loose Nut BSP					
32/1"		R	G	-	3019S.32X1G
32/1 1/4"		R	G	-	3019S.32X125G
£66.84					
£106.60					
Threaded Adaptor - Union, Socket Weld to Male Hex Nut BSP					
20/1 1/2"		R	G	-	3057S.20X05G
25/3/4"		R	G	-	3057S.25X075G
32/1"		R	G	-	3057S.32X1G
40/1 1/4"		R	G	-	3057S.40X125G
50/1 1/2"		R	G	-	3057S.50X15G
63/2"		R	G	-	3057S.63X2G
75/2 1/2"		R	G	-	3057S.75X25G
90/3"		R	G	-	3057S.90X3G
110/4"		R	G	-	3057S.110X4G
£30.09					
£50.56					
£65.87					
£89.61					
£156.32					
£261.11					
£490.22					
£1,159.58					
£1,464.68					
Threaded Adaptor - Union, Socket Weld to Female Hex Nut BSP					
20/1 1/2"		R	G	-	3058S.20X05G
25/3/4"		R	G	-	3058S.25X075G
32/1"		R	G	-	3058S.32X1G
40/1 1/4"		R	G	-	3058S.40X125G
50/1 1/2"		R	G	-	3058S.50X15G
63/2"		R	G	-	3058S.63X2G
75/2 1/2"		R	G	-	3058S.75X25G
90/3"		R	G	-	3058S.90X3G
110/4"		R	G	-	3058S.110X4G
£32.53					
£46.53					
£67.64					
£95.67					
£143.99					
£249.54					
£443.06					
£845.26					
£1,071.67					

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	R	G	-	3054.50X20G
50/25	R	G	-	3054.50X25G
50/32	R	G	-	3054.50X32G
63/20	R	G	-	3054.63X20G
63/25	R	G	-	3054.63X25G
63/32	R	G	-	3054.63X32G
75/20	R	G	-	3054.75X20G
75/25	R	G	-	3054.75X25G
75/32	R	G	-	3054.75X32G
90/20	R	G	-	3054.90X20G
90/25	R	G	-	3054.90X25G
90/32	R	G	-	3054.90X32G
90/40	R	G	-	3054.90X40G
90/50	R	G	-	3054.90X50G
110/20	R	G	-	3054.110X20G
110/25	R	G	-	3054.110X25G
110/32	R	G	-	3054.110X32G
110/40	R	G	-	3054.110X40G
110/50	R	G	-	3054.110X50G
110/63	R	G	-	3054.110X63G
125/20	R	G	-	3054.125X20G
125/25	R	G	-	3054.125X25G
125/32	R	G	-	3054.125X32G
125/40	R	G	-	3054.125X40G
125/50	R	G	-	3054.125X50G
125/63	R	G	-	3054.125X63G
160/20	R	G	-	3054.160X20G
160/25	R	G	-	3054.160X25G
160/32	R	G	-	3054.160X32G
160/40	R	G	-	3054.160X40G
160/50	R	G	-	3054.160X50G
160/63	R	G	-	3054.160X63G
200/20	R	G	-	3054.200X20G
200/25	R	G	-	3054.200X25G
200/32	R	G	-	3054.200X32G
200/40	R	G	-	3054.200X40G
200/50	R	G	-	3054.200X50G
200/63	R	G	-	3054.200X63G
250/40	R	G	-	3054.250X40G
250/50	R	G	-	3054.250X50G
250/63	R	G	-	3054.250X63G
315/40	R	G	-	3054.315X40G
315/50	R	G	-	3054.315X50G
315/63	R	G	-	3054.315X63G



MecFlow Supply Systems - 3000 Fusion

Size mm	PN rating	Col	Pack/Box	Code	Price Each
Stub Flange					
Socket - Socket Weld					
40	16 & 25	█	G	-	3080S.40G
50	16 & 25	█	G	-	3080S.50G
63	16 & 25	█	G	-	3080S.63G
75	16 & 25	█	G	-	3080S.75G
90	16 & 25	█	G	-	3080S.90G
110	16 & 25	█	G	-	3080S.110G
125	16 & 25	█	G	-	3080S.125G
Spigot - Butt Weld					
160	16 & 25		G	-	3080B.5.160G
200	16 & 25		G	-	3080B.5.200G
250	16 & 25		G	-	3080B.5.250G
315	16 & 25		G	-	3080B.5.315G
Backing Ring					
Fix with Nuts and Bolts					
40	16	█	G	-	3081.40S
50	16	█	G	-	3081.50S
63	16	█	G	-	3081.63S
75	16	█	G	-	3081.75S
90	16	█	G	-	3081.90S
110	16	█	G	-	3081.110S
125	16	█	G	-	3081.125S
160	16	█	G	-	3081.160S
200	16	█	G	-	3081.200S
250	16	█	G	-	3081.250S
315	16	█	G	-	3081.315S
40	25	█	G	-	3081.40.25PN
50	25	█	G	-	3081.50.25PN
63	25	█	G	-	3081.63.25PN
75	25	█	G	-	3081.75.25PN
90	25	█	G	-	3081.90.25PN
110	25	█	G	-	3081.110.25PN
125	25	█	G	-	3081.125.25PN
160	25	█	G	-	3081.160.25PN
200	25	█	G	-	3081.200.25PN
250	25	█	G	-	3081.250.25PN
315	25	█	G	-	3081.315.25PN
Seal PN16 & PN25					
EPDM Seal					
40	16 & 25	█	G	-	3082.40B
50	16 & 25	█	G	-	3082.50B
63	16 & 25	█	G	-	3082.63B
75	16 & 25	█	G	-	3082.75B
90	16 & 25	█	G	-	3082.90B
110	16 & 25	█	G	-	3082.110B
125	16 & 25	█	G	-	3082.125B
160	16 & 25	█	G	-	3082.160B
200	16 & 25	█	G	-	3082.200B
250	16 & 25	█	G	-	3082.250B
315	16 & 25	█	G	-	3082.315B

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	R	G	-	3083.40S
50	16	R	G	-	3083.50S
63	16	R	G	-	3083.63S
75	16	R	G	-	3083.75S
90	16	R	G	-	3083.90S
110	16	R	G	-	3083.110S
125	16	R	G	-	3083.125S
160	16	R	G	-	3083.160S
200	16	R	G	-	3083.200S
250	16	R	G	-	3083.250S
315	16	R	G	-	3083.315S
Blank Flange PN25					
Fix with Nuts and Bolts					
40	25	R	G	-	3083.40.25PN
50	25	R	G	-	3083.50.25PN
63	25	R	G	-	3083.63.25PN
75	25	R	G	-	3083.75.25PN
90	25	R	G	-	3083.90.25PN
110	25	R	G	-	3083.110.25PN
125	25	R	G	-	3083.125.25PN
160	25	R	G	-	3083.160.25PN
200	25	R	G	-	3083.200.25PN
250	25	R	G	-	3083.250.25PN
315	25	R	G	-	3083.315.25PN
End Cap					
Socket - Socket Weld					
20		R	G	-	3030S.20G
25		R	G	-	3030S.25G
32		R	G	-	3030S.32G
40		R	G	-	3030S.40G
50		R	G	-	3030S.50G
63		R	G	-	3030S.63G
75		R	G	-	3030S.75G
90		R	G	-	3030S.90G
110		R	G	-	3030S.110G
125		R	G	-	3030S.125G
Spigot - Butt Weld					
160			G	-	3030B.5.160G
200			G	-	3030B.5.200G
250			G	-	3030B.5.250G
315			G	-	3030B.5.315G

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 / Beveler	✓				
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.

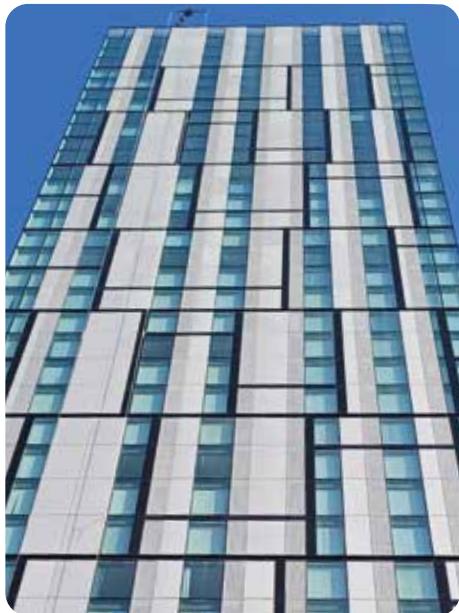
Detailed jointing information is available in the MecFlow Fusion Technical Manual.

(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.

Please scan the code for guide to welding equipment suitable for use with MecFlow Fusion.



Handling the pressure of a prestigious Manchester development.



Bankside is one of a number of projects being developed by Renaker and MWA Ecosystems, which are dramatically transforming the Manchester skyline.

Bankside is a 43-storey residential building with commercial space on the ground floor. Located within the Colliers Yard neighbourhood, the development comprises 444 luxury apartments, a mixture of 1, 2 and 3 bedroom apartments and penthouses, all with an exceptional level of residential amenity.

CASE STUDY

Project

Bankside.

Client

MWA Ecosystems on behalf of Renaker

Application

Drainage (soil and waste) and water supply systems

Products

Terrain FUZE (HDPE drainage), Terrain PVC drainage, MecFlow Fusion water supply system

High pressure in a tight space calls for innovative thinking and products.

Mechanical plumbing specialists, MWA, set a tough brief for the water supply system at Bankside. A solution was required which could handle the high pressures needed to supply the whole of the Bankside tower from a single basement pumproom. All while working within a tight site footprint and budget.

Gavin Robinson, National Business Development Manager AVS at Polypipe Building Services, explained: "We supplied the drainage system throughout the building, with Terrain FUZE used on the lower levels and Terrain Soil & Waste (PVC) installed up the rest of the tower. MecFlow Fusion was chosen for the water supply system because it can cope with high pressures and was used in the plantroom as well as for the tower's risers, run outs and manifolds serving the apartments."

MecFlow Fusion uses a multi-layer PP-RCT pipe material and has been designed for plantroom, riser, header and runout applications and has a fire classification rating of B-s1, d0*.

Tall buildings will often need a second pump station, to supply water to the whole tower. Not only did the project have a tight footprint, but within a valuable piece of real estate like Bankside, there was a premium on space. A secondary pump station was highly undesirable. Gavin Robinson explained further: "MecFlow Fusion can deal with high pressures all the way up the tower with no need for a booster station. With this sort of development, the space in the risers can be tight. MecFlow Fusion is lighter and more adaptable than other systems and so we could make optimal use of the space available.

We also manufactured bespoke manifolds, which provided the exact number of ports needed to control the flow of water to each apartment."

The system was built using loose components at a fabrication station in the tower's basement. A range of jointing methods were used including electrofusion and socket welding.

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

Andrew Moss, Company Director at MWA Ecosystems, comments:

"We have a good relationship with Polypipe. The brand that they've developed over years for getting water in and out of tall buildings, gives a lot of confidence. The products' performance and level of customisation mean we handle any challenge. Polypipe also train the guys on the innovative stuff which is invaluable when you're breaking new ground. It's a huge advantage that we can source all this from one business".



Index

Prices shown are for one item excluding VAT

TOUGHEN UP!

With
MecFlow
Press.

MecFlow Press from Polypipe Building Services provides solutions to a wide range of water supply applications.

Engineered for potable, hot & cold plumbing and heating installations, the system uses a multi-layer pipe with inner and outer layers of polyethylene and a flexible core of butt-welded aluminium.

MecFlow Press pipe is available in straight lengths in a range of diameters from 16mm to 50mm, and in pre-insulated coils up to 32mm.

100% oxygen-tight, with flow-optimised fittings (including 90° Swept Bends), the system delivers ultra-secure joints thanks to extra-wide inspection windows (for correct pipe insertion) and a leak-before-press test function.

Now meeting tough standards needn't be a tough decision - choose MecFlow Press.

To find out more, scan QR code or visit www.polypipebuildingservices.com





Introduction

MecFlow Press is a complete, WRAS approved, multi-layer composite piping (MLCP) system, specifically engineered for potable, hot and cold plumbing and heating applications. The system is available in a range of diameters from 16mm to 50mm and is certified to EN ISO 21003 - 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), a middle layer of flexible butt-welded aluminium, 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 the stringent requirements of an installation whilst offering exceptional functionality and durability.

MecFlow Press Pipe is also available in pre-insulated coils for ease of install. The 13mm insulation in red and blue is B-s1,d0* rated - the highest available fire protection classification in its material class.

MecFlow Press offers a comprehensive range of fittings, all made from medical grade polyphenylsulphone (PPSU) and dezincification resistant (DZR) brass. Every fitting, including a unique patented Swept Bend (16-32mm), is designed to provide optimal flow rate and flexibility in terms of product application.

Innovative design features also mean that any risk of leaks is greatly reduced, thanks to extra-large inspection windows to ensure correct pipe insertion when installing, and a 'leak before press' test function when testing the installation.

MecFlow Press - the optimal solution for running supply pipework up to 10bar.

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

MecFlow Supply Systems

A Guide to the MecFlow Press Product Coding System

8004.16X20X16.90W

Range Type of product Diameter Angle of bend Colour

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 = 1/2" BSP

075 = 3/4" BSP

1 = 1" BSP

125 = 1 1/4" BSP

15 = 1 1/2" BSP

2 = 2" 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

40 = 40mm Pipe O/D

50 = 50mm Pipe O/D

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
Sanitary Hot & Cold Manifolds					
	2 Port 1/2"	R	M	1	8080.02X075
	3 Port 1/2"	R	M	1	8080.03X075
	4 Port 1/2"	R	M	1	8080.04X075
	5 Port 1/2"	R	M	1	8080.05X075
Sanitary Manifold Bracket					
	Single Bracket 1/2"	R	M	1	8081.075.BR
Sanitary Manifold Plug					
	Female Plug 1/4"	R	M	1	8082.075.FP
Sanitary Manifold Eurocones					
	Eurocone 16/2	R	M	1	8083.16X2.EF
	Eurocone 20/2	R	M	1	8083.20X2.EF
Pipe					
Plain Ended - Straight					
	16 (5m)	R	W	15	8000.16.50W
	20 (5m)	R	W	10	8000.20.50W
	26 (5m)	R	W	5	8000.26.50W
	32 (5m)	R	W	4	8000.32.50W
	40 (5m)	R	W	5	8000.40.50W
	50 (5m)	R	W	5	8000.50.50W
Plain Ended - Coiled					
	16 (100m)	R	W	1	8000C.16.1000W
	20 (100m)	R	W	1	8000C.20.1000W
	26 (50m)	R	W	1	8000C.26.500W
	32 (50m)	R	W	1	8000C.32.500W
Plain Ended - Coiled - Pre-Insulated.					
	16X06 (50m)	R	B	1	8000PC.16.06.50B
	16X06 (50m)	R	R	1	8000PC.16.06.50R
	20X06 (50m)	R	B	1	8000PC.20.06.50B
	20X06 (50m)	R	R	1	8000PC.20.06.50R
	16X09 (50m)	R	G	1	8000PC.16.09.50G
	20X09 (50m)	R	G	1	8000PC.20.09.50G
NEW	16X13 (50m)	R	B	1	8000PC.16.13.50B*
	16X13 (50m)	R	R	1	8000PC.16.13.50R*
	20X13 (50m)	R	B	1	8000PC.20.13.50B*
	20X13 (50m)	R	R	1	8000PC.20.13.50R*
	26X13 (25m)	R	B	1	8000PC.26.13.25B*
	26X13 (25m)	R	R	1	8000PC.26.13.25R*
	32X13 (25m)	R	G	1	8000PC.32.13.25G

*EN 13501-1: B-s1, d0 classified.

MecFlow Supply Systems

MecFlow Supply Systems - 8000 Press

	Size mm	Angle	Col	Pack/Box	Code	Price Each
Coupler						
	Double Socket					
	16	90	R	W	10	8010.16W
	20	90	R	W	10	8010.20W
	26	90	R	W	5	8010.26W
	32	90	R	W	5	8010.32W
NEW	40	90	R	W	3	8010.40W
	50	90	R	W	2	8010.50W
Elbow 45°						
	Double Socket					
	26	45	R	W	5	8001.26.45W
	32	45	R	W	5	8001.32.45W
NEW	40	45	R	W	3	8001.40.45W
	50	45	R	W	2	8001.50.45W
NEW Swept Bend 90°						
	Double Socket					
	16	90	R	W	10	8001.16.90W
	20	90	R	W	10	8001.20.90W
	26	90	R	W	5	8001.26.90W
	32	90	R	W	5	8001.32.90W
NEW	Elbow 90°					
	40	90	R	W	3	8001.40.90W
	50	90	R	W	2	8001.50.90W
Equal Tee						
	Triple Socket					
	16	90	R	W	10	8004.16.90W
	20	90	R	W	10	8004.20.90W
	26	90	R	W	5	8004.26.90W
	32	90	R	W	5	8004.32.90W
NEW	40	90	R	W	3	8004.40.90W
	50	90	R	W	2	8004.50.90W
Reducing Tee						
	Triple Socket (End, Branch, End)					
	16/20/16	90	R	W	10	8004.16X20X16.90W
	20/16/16	90	R	W	10	8004.20X16X16.90W
	20/16/20	90	R	W	10	8004.20X16X20.90W
	20/20/16	90	R	W	10	8004.20X20X16.90W
	20/26/20	90	R	W	5	8004.20X26X20.90W
	26/16/20	90	R	W	5	8004.26X16X20.90W
	26/16/26	90	R	W	5	8004.26X16X26.90W
	26/20/16	90	R	W	5	8004.26X20X16.90W
	26/20/20	90	R	W	5	8004.26X20X20.90W
	26/20/26	90	R	W	5	8004.26X20X26.90W
	26/26/16	90	R	W	5	8004.26X26X16.90W
	26/26/20	90	R	W	5	8004.26X26X20.90W
	32/16/32	90	R	W	5	8004.32X16X32.90W
	32/20/26	90	R	W	5	8004.32X20X26.90W
	32/20/32	90	R	W	5	8004.32X20X32.90W
	32/26/26	90	R	W	5	8004.32X26X26.90W
	32/26/32	90	R	W	5	8004.32X26X32.90W
NEW	40/20/40	90	R	W	3	8004.40X20X40.90W
	40/26/40	90	R	W	3	8004.40X26X40.90W
	40/32/40	90	R	W	3	8004.40X32X40.90W

MecFlow Supply Systems - 8000 Press

Size mm	Angle	Col	Pack/Box	Code	Price Each
Reducing Tee					
50/20/50	90	R	W	2	8004.50X20X50.90W
50/26/50	90	R	W	2	8004.50X26X50.90W
50/32/50	90	R	W	2	8004.50X32X50.90W
50/40/50	90	R	W	2	8004.50X40X50.90W
Reducer					
Double Socket					
20/16	R	W	10	8024.20X16W	£8.58
26/16	R	W	5	8024.26X16W	£13.96
26/20	R	W	5	8024.26X20W	£15.52
32/20	R	W	5	8024.32X20W	£20.09
32/26	R	W	5	8024.32X26W	£19.34
NEW 40/26	R	W	3	8024.40X26W	£37.45
40/32	R	W	3	8024.40X32W	£26.25
50/32	R	W	2	8024.50X32W	£54.30
50/40	R	W	2	8024.50X40W	£60.93
Adaptor to Metal					
Adaptor to Copper, Carbon Steel or Stainless Steel					
16/15	R	B	10	8027.16X15B	£13.83
20/22	R	B	10	8027.20X22B	£18.76
26/22	R	B	5	8027.26X22B	£30.37
32/28	R	B	5	8027.32X28B	£28.98
Threaded Adaptor					
Threaded Adaptor - Straight Male Brass					
16 $\frac{1}{2}$ "	R	B	10	8017.16X05B	£11.68
20 $\frac{1}{4}$ "	R	B	10	8017.20X075B	£17.81
20 $\frac{1}{2}$ "	R	B	10	8017.20X1B	£31.93
26 $\frac{3}{4}$ "	R	B	5	8017.26X075B	£23.66
26 $\frac{1}{2}$ "	R	B	5	8017.26X1B	£29.42
32 $\frac{1}{2}$ "	R	B	5	8017.32X1B	£31.18
32 $\frac{1}{4}$ "	R	B	5	8017.32X125B	£41.09
NEW 40 $\frac{1}{2}$ "	R	B	3	8017.40X1B	£77.06
40 $\frac{1}{4}$ "	R	B	3	8017.40X125B	£74.85
40 $\frac{1}{8}$ "	R	B	3	8017.40X15B	£118.58
50 $\frac{1}{2}$ "	R	B	2	8017.50X15B	£119.60
50 $\frac{1}{4}$ "	R	B	2	8017.50X2B	£158.88
Threaded Adaptor - Straight Male PPSU					
16 $\frac{1}{2}$ "	R	W	10	8017.16X05W	£7.60
16 $\frac{1}{4}$ "	R	W	10	8017.16X075W	£14.51
20 $\frac{1}{2}$ "	R	W	10	8017.20X05W	£9.88
20 $\frac{3}{4}$ "	R	W	10	8017.20X075W	£11.85
Threaded Adaptor - Straight Female Brass					
16 $\frac{1}{2}$ "	R	B	10	8016.16X05B	£17.71
20 $\frac{1}{2}$ "	R	B	10	8016.20X05B	£20.12
20 $\frac{3}{4}$ "	R	B	10	8016.20X075B	£19.62
26 $\frac{3}{4}$ "	R	B	5	8016.26X075B	£28.60
26 $\frac{1}{2}$ "	R	B	5	8016.26X1B	£33.98
32 $\frac{1}{2}$ "	R	B	5	8016.32X1B	£42.86
32 $\frac{1}{4}$ "	R	B	5	8016.32X125B	£89.17
NEW 40 $\frac{1}{2}$ "	R	B	3	8016.40X1B	£85.60
40 $\frac{1}{4}$ "	R	B	3	8016.40X125B	£78.35
50 $\frac{1}{2}$ "	R	B	2	8016.50X15B	£112.15

MecFlow Supply Systems

MecFlow Supply Systems - 8000 Press

Size mm	Angle	Col	Pack/Box	Code	Price Each
Threaded Adaptor - Elbow Male Brass					
16½"	90	■	BW	10	8017.16X05.90BW
20½"	90	■	BW	10	8017.20X05.90BW
20¾"	90	■	BW	10	8017.20X075.90BW
26¾"	90	■	BW	5	8017.26X075.90BW
32½"	90	■	BW	5	8017.32X1.90BW
NEW 40/1¼"	90	■	BW	3	8017.40X125.90BW
	90	■	BW	2	8017.50X15.90BW
Threaded Adaptor - Elbow Female Brass					
16½"	90	■	BW	10	8016.16X05.90BW
20½"	90	■	BW	10	8016.20X05.90BW
20¾"	90	■	BW	10	8016.20X075.90BW
26¾"	90	■	BW	5	8016.26X075.90BW
32½"	90	■	BW	5	8016.32X1.90BW
Threaded Adaptor					
Threaded Adaptor - Tee Female Brass					
16½"	90	■	BW	10	8046.16X05X16.90BW
20½"	90	■	BW	10	8046.20X05X20.90BW
20¾"	90	■	BW	10	8046.20X075X20.90BW
26½"	90	■	BW	5	8046.26X05X26.90BW
26¾"	90	■	BW	5	8046.26X075X26.90BW
32½%"	90	■	BW	5	8046.32X075X32.90BW
32¾%"	90	■	BW	5	8046.32X075X32.90BW
32½"	90	■	BW	5	8046.32X1X32.90BW
Threaded Adaptor - Transition Coupling Female Brass					
16½%"	■	BW	10	8058.16X05BW	£17.81
16¾%"	■	BW	10	8058.16X075BW	£17.81
20¾%"	■	BW	10	8058.20X075BW	£20.54
20/1"	■	BW	10	8058.20X1BW	£25.06
26¾%"	■	BW	5	8058.26X075BW	£44.76
26/1"	■	BW	5	8058.26X1BW	£30.37
26/1¼%"	■	BW	5	8058.26X125BW	£35.75
26/1½%"	■	BW	5	8058.26X15BW	£53.47
32/1"	■	BW	5	8058.32X1BW	£55.24
32/1¼%"	■	BW	5	8058.32X125BW	£56.91
32/1½%"	■	BW	5	8058.32X15BW	£73.62
NEW 40/1½%"	■	BW	3	8058.40X125BW	£112.15
	■	BW	3	8058.40X15BW	£123.31
	■	BW	2	8058.50X175BW	£165.41
	■	BW	2	8058.50X2BW	£154.11
Threaded Adaptor - Transition Coupling Elbow Female Brass					
16½%"	90	■	BW	10	8058.16X05.90BW
16¾%"	90	■	BW	10	8058.16X075.90BW
20¾%"	90	■	BW	10	8058.20X075.90BW
26/1"	90	■	BW	5	8058.26X1.90BW
Threaded Adaptor - Wall Mount Elbow, 35mm Offset Female Brass					
16½%"	90	■	BW	10	8015.16X05.35.90BW
20½%"	90	■	BW	10	8015.20X05.35.90BW
20¾%"	90	■	BW	10	8015.20X075.35.90BW
26¾%"	90	■	BW	5	8015.26X075.35.90BW

MecFlow Supply Systems - 8000 Press

	Size mm	Angle	Col	Pack/Box	Code	Price Each
End Cap						
Single Socket						
16		R	W	10	8030.16W	£7.74
20		R	W	10	8030.20W	£9.24
26		R	W	5	8030.26W	£14.68
32		R	W	5	8030.32W	£16.58
Radiator Connector						
Single Socket						
16	90	R	W	2	8001R.16.90W	£35.75
16	90	R	W	2	8004R.16.90W	£55.79

MecFlow Supply Systems

MecFlow Supply Systems - 8000 Press

Size mm	Angle	Col	Pack/Box	Code	Price Each
Tooling					
Jaws - F Contour					
16		1	8990.16T		£598.23
20		1	8990.20T		£598.23
26		1	8990.26T		£598.23
32		1	8990.32T		£673.17
NEW 40		1	8990.40T		£929.09
NEW 50		1	8990.50T		£1,156.91
Jaws Mini - F Contour					
16		1	8990M.16T		£613.34
20		1	8990M.20T		£613.34
26		1	8990M.26T		£623.28
32		1	8990M.32T		£674.59
NEW 40		1	8990M.40T		£884.95
Deburring Tool					
	16-50	1	8980.16X32G		£51.70
	16-32	1	8980.16X32T		£286.23
	NEW 40	1	8980.40T		£208.49
	NEW 50	1	8980.50T		£405.67
Bending Springs					
	16	1	8970.16T		£75.76
	20	1	8970.20T		£90.78
Cutters					
	16-20	1	8950.16X20G		£41.37
	16-32	1	8950.16X32G		£348.98
	NEW 16-50	1	8950.16X75G		£457.87
Test Plugs					
	16	1	8960.16T		£33.90
	20	1	8960.20T		£37.68
Test Plugs - Including Vent					
	26	1	8960V.26T		£174.12
	32	1	8960V.32T		£179.98

Note:

Pressing contours for all MacFlow Press:

Pressing contours for all M
"E" = 16-50mm diameters

"TH" = 16-32mm diameter only

Index					Index					Index					Index				
Code	Colour	Price	Page		Code	Colour	Price	Page		Code	Colour	Price	Page		Code	Colour	Price	Page	
McFlow Press Pipes					8004.32X20X32.90W	W	£31.59	24		8017.40X12.90BW	B	£74.85	25		8083.16X2.EF	M	£8.40	23	
8000.16.50W	W	£35.09	23		8004.32X20X32.90W	W	£36.59	24		8017.40X12.90BW	BW	£112.15	26		8083.20X2.EF	M	£9.43	23	
8000.20.50W	W	£47.59	23		8004.40X30W	W	£32.48	24		8017.50X1.90BW	B	£118.58	25		8050.16X20G		£41.47	28	
8000.26.50W	W	£73.90	23		8004.40X20X40.90W	W	£86.45	24		8017.50X1.90BW	B	£105.60	25		8050.16X32G		£349.38	28	
8000.32.50W	W	£97.06	23		8004.40X26X40.90W	W	£27.45	24		8017.50X1.90BW	BW	£105.42	26		8050.16X75G		£457.97	28	
8000.40.50W	W	£112.96	23		8004.40X32X40.90W	W	£41.22	24		8017.50X2.8	B	£158.88	25		8060.16T		£33.90	28	
8000.50.50W	W	£165.47	23		8004.50.30W	W	£100.03	24		8024.20X16W	W	£8.58	25		8060.20T		£37.68	28	
8000C.16.1000W	W	£524.61	23		8004.50X20X50.90W	W	£82.43	25		8024.26X16W	W	£13.96	25		8060V.26T		£174.12	28	
8000C.20.1000W	W	£714.35	23		8004.50X26X50.90W	W	£86.18	25		8024.26X20W	W	£15.52	25		8060V.32T		£179.98	28	
8000C.26.500W	W	£697.74	23		8004.50X32X50.90W	W	£89.82	25		8024.32X20W	W	£20.09	25		8070.16T		£75.76	28	
8000C.32.500W	W	£920.89	23		8004.50X40X50.90W	W	£113.07	25		8024.32X26W	W	£19.34	25		8070.20T		£90.78	28	
8000PC.16.06.50B	B	£15.57	23		8004R.16.90W	W	£55.79	27		8024.40X26W	W	£37.45	25		8080.16X32G		£51.70	28	
8000PC.16.06.50R	R	£15.57	23		8010.16W	W	£8.44	24		8024.40X32W	W	£26.25	25		8080.16X32T		£286.23	28	
8000PC.16.09.50G	G	£380.95	23		8010.20W	W	£8.93	24		8024.50X32W	W	£54.30	25		8080.40T		£208.49	28	
8000PC.16.13.50B	B	£496.40	23		8010.26W	W	£13.96	24		8024.50X40W	W	£60.93	25		8080.50T		£405.67	28	
8000PC.16.13.50R	R	£496.40	23		8010.32W	W	£17.77	24		8027.16X15B	B	£13.83	25		8090.16T		£598.23	28	
8000PC.20.06.50B	B	£379.09	23		8010.40W	W	£48.75	24		8027.20X22B	B	£18.76	25		8090.20T		£598.23	28	
8000PC.20.06.50R	R	£379.09	23		8010.50W	W	£61.68	24		8027.26X22B	B	£30.37	25		8090.26T		£598.23	28	
8000PC.20.09.50G	G	£98.79	23		8015.16X05.35.90BW	BW	£32.10	26		8027.32X28B	B	£28.98	25		8090.32T		£623.28	28	
8000PC.20.13.50B	B	£582.74	23		8015.20X05.35.90BW	BW	£49.08	26		8030.16W	W	£7.74	27		8090.40T		£929.09	28	
8000PC.20.13.50R	R	£582.74	23		8015.20X07.35.90BW	BW	£40.17	26		8030.20W	W	£9.24	27		8090.50T		1,156.91	28	
8000PC.26.13.25B	B	£507.16	23		8015.26X07.35.90BW	BW	£59.77	26		8030.26W	W	£14.68	27		8090M.16T		£613.34	28	
8000PC.26.13.25R	R	£507.16	23		8016.16X05B	B	£17.71	25		8030.32W	W	£16.58	27		8090M.20T		£613.34	28	
8000PC.32.13.25G	G	£475.80	23		8016.16X05W	BW	£17.81	26		8046.16X05X16.90BW	BW	£33.98	26		8090M.26T		£623.28	28	
McFlow Press Fittings					8016.20X05B	B	£20.12	25		8046.20X05X20.90BW	BW	£48.67	26		8090M.32T		£674.59	28	
8001.16.90W	W	£9.24	24		8016.20X05W	BW	£26.76	26		8046.26X07X26.90BW	BW	£46.30	26		8090M.40T		£884.95	28	
8001.20.90W	W	£10.83	24		8016.20X07S	B	£19.62	25		8046.32X07X26.90BW	BW	£49.97	26						
8001.26.45W	W	£20.09	24		8016.26X07S	BW	£26.60	25		8046.32X07X32.90BW	BW	£62.46	26						
8001.26.90W	W	£17.77	24		8016.26X07S	BW	£35.75	26		8046.32X1X26.90BW	BW	£66.99	26						
8001.32.45W	W	£25.57	24		8016.26X1B	W	£33.98	25		8058.16X05BW	BW	£17.81	26						
8001.32.90W	W	£23.93	24		8016.32X1B	W	£42.86	25		8058.16X05.90BW	BW	£45.00	26						
8001.40.45W	W	£60.93	24		8016.32X1.90BW	BW	£57.94	26		8058.16X07.5BW	BW	£17.81	26						
8001.40.90W	W	£56.61	24		8016.32X12.5B	B	£89.17	25		8058.16X07.5X90BW	BW	£45.44	26						
8001.50.45W	W	£71.82	24		8016.40X1B	B	£85.60	25		8058.20X07.5BW	BW	£20.54	26						
8001.50.90W	W	£74.03	24		8016.40X12.5B	B	£78.35	25		8058.20X07.5X90BW	BW	£50.08	26						
8001R.16.90W	W	£35.75	27		8016.50X15B	B	£112.15	25		8058.20X1BW	BW	£25.06	26						
8004.16.90W	W	£13.96	24		8017.16X05B	B	£11.68	25		8058.26X07.5BW	BW	£44.76	26						
8004.16X20X16.90W	W	£16.18	24		8017.16X05W	W	£7.60	25		8058.26X1BW	BW	£30.37	26						
8004.20.90W	W	£16.18	24		8017.16X05.90BW	BW	£17.81	26		8058.26X1.90BW	BW	£96.59	26						
8004.20X16.90W	W	£16.99	24		8017.16X07SW	W	£14.51	25		8058.26X12.5BW	BW	£35.75	26						
8004.32.90W	W	£31.59	24		8017.20X05W	W	£9.88	25		8058.26X15BW	BW	£53.47	26						
8004.32.90W	W	£31.59	24		8017.20X05.90BW	BW	£31.18	26		8058.32X07.5BW	BW	£55.24	26						
8004.20X20X16.90W	W	£18.52	24		8017.20X07.35.90BW	B	£17.81	25		8058.32X12.5BW	BW	£58.51	26						
8004.20X20X20.90W	W	£16.99	24		8017.20X07S	B	£17.81	25		8058.40X15BW	BW	£112.31	26						
8004.26X20X20.90W	W	£23.93	24		8017.20X07S.90BW	BW	£34.82	26		8058.40X15.90BW	BW	£123.31	26						
8004.26X20X20.90W	W	£23.93	24		8017.20X09W	W	£11.85	25		8058.40X15BW	BW	£123.31	26						
8004.26X20X20.90W	W	£23.93	24		8017.26X07.90BW	BW	£44.76	26		8058.40X15.90BW	BW	£123.31	26						
8004.26X20X16.90W	W	£23.93	24		8017.20X1B	B	£31.93	24		8058.50X17.5BW	BW	£165.41	26						
8004.26X20X16.90W	W	£23.93	24		8017.26X07B	B	£23.68	25		8058.50X2BW	BW	£154.11	26						
8004.26X20X20.90W	W	£23.03	24		8017.20X07.5.90BW	BW	£44.76	26		8080.02X075	M	£55.42	23						
8004.26X20X26.90W	W	£23.93	24		8017.20X1B	B	£23.42	25		8080.03X075	M	£77.52	23						
8004.26X26X16.90W	W	£24.71	24		8017.32X1B	B	£31.18	25		8080.04X075	M	£99.46	23						
8004.26X26X20.90W	W	£25.57	24		8017.32X1.90BW	BW	£54.39	26		8080.05X075	M	£130.50	23						
8004.32X16X32.90W	W	£33.23	24		8017.32X1B	B	£41.09	25		8081.075.9R	M	£8.87	23						
8004.32X20X26.90W	W	£32.48	24		8017.40X1B	B	£77.06	25		8082.075.FP	M	£6.05	23						

Terrain



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 up to 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.

Terrain PVC Drainage - Product Ranges

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

300-PushFit **Terrain Waste System**

Push-fit polypropylene system

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

400-Traps **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

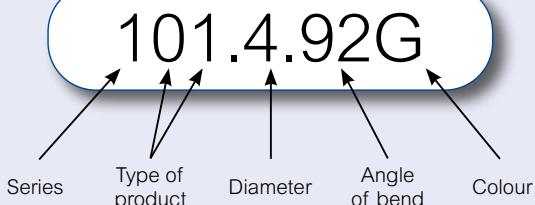
- 19mm PVCu pipe and fittings
- Range of tank connectors

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

Type of Product

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

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

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)		∅	GB	2/88	100.3.30	£144.52
82 (4m)		∅	GBW	2/88	100.3.40	£189.26
110 (3m)		∅	GBW	2/48	100.4.30	£140.58
110 (4m)		∅	GBW	2/48	100.4.40	£187.36
160 (3m)		∅	G	1/33	100.6.30	£382.96
160 (4m)		∅	G	1/33	100.6.40	£500.54



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



Straight coupler double socket

Double solvent socket.



Expansion coupler

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



Slip coupler

Double ring seal socket. No central stop.



Swept bend double socket

92½° Swept bend double socket



82	92½	∅	GBW	5/40	101.3.92	£62.91
110	92½	∅	GBW	10	101.4.92	£71.51
160	92½	∅	GB	2	101.6.92	£187.35

135° Swept bend double socket

82	135	∅	GBW	5/50	101.3.135	£62.91
110	135	∅	GBW	5/30	101.4.135	£71.51
160	135	∅	GB	4	101.6.135	£183.24

104° Swept bend double socket

110	104	∅	GB	5/20	101.4.104	£74.49
112½° Swept bend double socket						

110	112½	∅	GB	5/20	101.4.112	£74.49
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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	£62.14
110	92½	∅	GBW	10	107.4.92	£69.33
110	135	∅	GBW	15	107.4.135	£77.79

Variable bend - adjustable 0-25°



Double spigot.

110	0-25	∅	G	10	101.4.025	£136.76
Spigot/socket.						

Spigot/socket.

110	0-25	∅	G	10	107.4.025	£137.27
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Swept entry equal branch

With boss connections.



With boss connections.

2 boss horns

3 boss horns

4 boss horns

5 boss horns

2 boss horns

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

82	92½	∅	GBW	5/25	104.3.92	£87.89
110	92½	∅	GBW	7	104.4.92	£94.60
110	92½	∅	GB	5	104.4.924	£117.33
110	104	∅	G	5/10	104.4.104	£119.54
160	92½	∅	GB	4	104.6.92	£211.18

Single equal branch

No boss connections. Solvent weld all sockets.



No boss connections.

Solvent weld all sockets.

82	92½	∅	G	5/25	104.3.135	£87.89
110	135	∅	GBW	6	104.4.135	£98.70
160	135	∅	GB	3/54	104.6.135	£403.08

Single branch spigot outlet

With boss connections. 4 boss horns.



With boss connections.

4 boss horns.

110	92½	∅	GB	4	104.104.92	£123.32
Connect to boss horns using 117 boss adaptors see page 36.						

Single equal branch variable boss

3 boss horns. 2 waste sockets.



3 boss horns.

2 waste sockets.

Spigot outlet.

Insert plugs not sold separately.

UNIQUE	110	92½	∅	G	4	104.412.92	£218.27
Socket outlet							

110 92½ ∅ G 3

104.422.92

£222.36

Insert plugs not sold separately.

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

Terrain

Soil Systems - 100 Solvent							
	Size	mm	Angle	Col	Pack/Box	Code	Price Each
Single unequal branch triple socket							
	2 boss horns.						
	160/110	92½	▼■■G	3	104.64.92	£238.43	
No waste boss connections.							
	160/110	135	▼■■G	2	104.64.135	£250.75	
Corner branch all socket							
	2 boss horns.						
	110	92½	■■G	5	106.490.92	£421.99	
UNIQUE Corner boss branch							
	2 boss horns. 2 waste sockets.						
	Spigot outlet						
	110	92½	G	7	106.490.12	£489.10	
	Socket outlet						
	110	92½	■■G	3	106.490.22	£489.10	
	Insert plugs not sold separately.						
Double branch							
	4 boss horns. Spigot outlet.						
	110	92½	▼■■G	2	106.104.92	£238.97	
	110	135	G	4	106.104.135	£238.97	
2 boss horns. Socket outlet.							
	110	92½	▼■■GW	2	106.4.92	£204.42	
Socket outlet.							
	110	135	■■G	5	106.4.135	£249.76	
Double unequal branch							
	2 boss horns. Socket outlet.						
	160/110	92½	▼■■G	2	106.64.92	£444.20	
Access pipe double socket							
	110		▼■■GBW	10	138.4	£75.17	
	160		■■G	10	138.6*	£293.18	
*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	£77.04	
	160		■■G	10	139.6*	£120.60	
*Cannot be used with 109.6							
Access pipe connector							
	2 boss horns.						
	82		■■GW	12	137.3	£157.25	
4 boss horns.							
	110		▼■■GBW	8	137.4	£96.64	
Access bend double socket							
	110	92½	▼■■GB	24	103.4.92	£198.40	
Single access branch triple socket							
	4 boss horns.						
	110	92½	▼■■G	6	105.4.92	£165.55	
No boss connections.							
	160	135		G		S105.6.135	£186.99
Pipe access door							
	82		▼■■G	5	135.3	£87.12	
	110		▼■■GB	5/45	135.4	£83.11	
	160		▼■■G	5/50	135.6	£152.85	
Access cap							
	82		▼■■GB	5/70	136.3	£59.25	
	110		▼■■GBW	5/30	136.4	£67.85	
	160		▼■■G	5/35	136.6	£134.34	
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*	£104.67	
*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	£31.36	

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		£126.21
110		█	Self	5/15	190.4		£133.46
160		█	Self	5	190.6		£217.67
Intermediate support bracket							
To support horizontal pipework. Galvanized 13 S.W.G Mild Steel							
82			Self	30	191.3		£64.24
110		█	Self	20	191.4		£67.84
160			Self	10	191.6		£93.43
Two piece pipe bracket							
Galvanised steel. Galvanized 13 S.W.G Mild Steel							
82		█	Self	10/40	140.3		£20.35
110		█	Self	10/30	140.4		£20.58
160		█	Self	5/25	140.6		£50.88
One piece pipe bracket							
Can be used as an anchor or intermediate support bracket.							
82		♀█	GBW	10/150	143.3		£14.54
110		♀█	GBW	10/80	143.4		£13.23
Adjustable pipe bracket plastic coated							
Self coloured backplate.							
110		♀█	BW	1/30	144.4		£27.43
Weathering apron							
Makes weathertight cover between soil pipe and lead slate at roof level.							
For lead slates.							
82		█	GB	60	131.3		£18.44
110		█	GBW	5/90	131.4		£20.23
For asphalt upstand.							
82		G	5/40		131.3.200		£77.86
110		G	30		131.4.200		£74.31
Vent Cowl							
82		█	G	5/120	150.3		£18.15
110		█	GBW	5/180	150.4		£17.39
160		█	G	5/65	150.6		£48.80

Soil Systems - 100 Solvent

	Size	mm	Angle	Col	Pack/Box	Code	Price Each
Duct cowl							
Stops rainwater from entering ventilation ducts.							
110		█	GB	14	152.4		£79.73
160		G	12	152.6			£206.66
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		£208.53
110		♀█	W	1/18	153.4		£208.53
Pushfit Socket outlet							
Two part waste boss solvent socket							
32mm waste socket							
110/32		G	5/200	112.4.125			£34.18
40mm waste socket							
82/40		G	5/150	112.3.15			£35.16
110/40		G	5/150	112.4.15			£34.18
50mm waste socket							
110/50		G	5/100	112.4.2			£34.67
160/50		█	G	5	112.6.2		£49.71
Socket plug							
For use with 117 boss horn							
110		G	5/50	130.4			£42.95
160		G	5/35	130.6			£82.64
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		£46.47
For 40mm waste pipe							
110/40		♀█	G	10/100	122.4.15		£48.55
Single bossed pipe connector double socket							
32mm waste socket							
110/32		♀█	GBW	5/30	120.4.125		£25.59
40mm waste socket							
110/40		♀█	GBW	5/30	120.4.15		£25.59
50mm waste socket							
110/50		♀█	GBW	5/30	123.4*		£26.99
*Requires 117 boss horn. For 50mm use 117.2							

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Soil Systems - 100 Solvent					
	Size mm	Angle	Col	Pack/Box	Code
Single bossed pipe connector socket/spigot					
Spigot outlet. For 40mm waste socket.	110/40	▽	G	5/30	120.412.15
					£25.34
Double bossed pipe connector double socket					
2 50mm waste sockets, 2 blanking plugs.	82/50	▽	G	5/30	120.3.2
For 50mm waste pipes (40mm with adaptor).					£53.97
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
					£42.42
Insert plug not sold separately.					
Four way boss double socket					
2x boss horns, 2x waste sockets. Socket outlet.	110	▽	GB	9	120.4.2
					£41.57
160	▽	G	4		120.6.2
					£135.72
Four way boss pipe solvent socket/spigot					
2x boss horns, 2x waste sockets. Spigot outlet.	110	▽	G	5/15	120.412.2
					£42.42
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
					£130.68
Reducer spigot/socket					
82/50	▽	G	5/90		124.3.2
					£38.07
110/60	▽	GB	5/60		124.4.2
					£46.15
110/82	▽	GB	5/60		124.4.3
					£47.59
160/110	▽	G	5/45		124.6.4
					£101.38

Soil Systems - 100 Solvent					
	Size mm	Angle	Col	Pack/Box	Code
Straight boss adaptor ring seal socket					
For 32mm waste pipe. For use on 58mm boss horn.	58/32	▽	GBW	10/180	117.125
					£13.39
For 40mm waste pipe. For use on 58mm boss horn.	58/40	▽	GBW	5/160	117.15
					£13.39
For 50mm waste pipe. For use on 58mm boss horn.	58/50	▽	GBW	5	117.2
Requires seal 9132, found on page 48.					£19.06
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
For 50mm waste pipe. For use on 58mm boss horn.	58/50	90	▽	GW	10/190
					117.2.90
58/50	150	▽	G	10/120	117.2.150
					£21.73
Adaptor to underground drain					
Push-fit into bore of underground pipe. External use only. Material EN681 rubber.	110/82		B	5/50	4DW3
					£62.57
Adaptor to underground drain pipe					
Push-fit connection into pipes with nominal 100mm bore. External use only.	32/40/50		B	5/60	4DW200
					£61.22
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
					£28.66
PVCu caulking bush					
To connect soil pipe to sockets of other material.	110	▽	G	5/15	132.4
					£59.54



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	£127.91
110	(3m)	∅	GB	2/67	100P.4.30	£126.29
110	(4m)	∅	G	2/67	100P.4.40	£169.65
160	(3m)	∅	G	1/33	100P.6.30	£352.69
160	(4m)	∅	G	1/33	100P.6.40	£470.43
110mm and 160mm Grey pipe now with recycled content.						
Slip coupler double socket						
No central stop.						
110			G	5/40	111.SP4	£53.00
Straight coupler double socket						
With central stop.						
82		∅	G	10/30	110P.3	£50.21
110		∅	GB	5/40	110P.4	£42.54
160		∅	G	5	110P.6	£105.77
Pipe end socket spigot/socket						
82		∅	G	10/60	111P.3	£27.94
110		∅	GB	20	111P.4	£29.76
160		∅	G	5/15	111P.6	£97.43
Swept bend spigot/socket						
92½° Swept bend spigot/socket:						
82	92½	∅	G	5/25	101P.3.92	£62.41
110	92½	∅	GB	10	101P.4.92	£63.92
160	92½	∅	G	4	101P.6.92	£205.45
112° Swept bend spigot/socket:						
110	112½	∅	G	10	101P.4.112	£74.34
135° Swept bend spigot/socket:						
82	135	∅	G	5/40	107P.3.135	£54.89
110	135	∅	GB	15	107P.4.135	£64.56
160	135	∅	G	8	107P.6.135	£194.56
Tight radius bend spigot/socket						
110	92½	∅	G	10	107P.4.92	£65.94
UNIQUE 2 Part variable bend						
110	20-87%	∅	G	1/8	107P.4.VAR	£125.55

Soil Systems - 100P Push-fit

Size	mm	Angle	Col	Pack/Box	Code	Price Each
Double socket bend						
110	92½		G	5/15	101D.4.92	£78.69
Single branch spigot outlet						
With boss connections. 2 boss horns.						
82	92½	∅	G	5/15	104P.3.92	£99.82
5 boss horns.						
110	92½		GB	8	104P.4.92	£86.22
160	92½	∅	G	4	104P.6.92	£238.06
110	112½		G	5	104P.4.112	£126.78
Single unequal branch spigot outlet						
5 boss horns. 160/110 87½						
160/110	87½		G	5	104P.64.92	£234.24
Single equal branch plain						
No boss connections.						
82	135	∅	G	4/20	104P.3.135	£162.74
110	135	∅	G	6	104P.4.135	£90.67
160	135	∅	G	4	104P.6.135	£186.18
UNIQUE Corner boss branch						
Spigot outlet						
110	92½		G	1/6	106E.490.12	£469.15
Corner branch spigot outlet						
110	92½		G	2	106P.490.92	£212.99

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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	£100.08
Branch socket outlet							
	3 boss horns.	110	92½	G	9	104E.4.92	£99.72
UNIQUE Single equal branch variable boss							
	3 boss horns. 250mm waste sockets with blanking plugs.	110	92½	G	4	104E.412.92	£223.61
Adjustable bend spigot outlet							
	110	0-25	G	5/25	107P.4.025	£140.50	
Double equal branch spigot outlet							
	4 boss connections.	110	92½	G	2	106P.4.92	£234.90
Access pipe and cover single socket							
	82	⊗	GB	10	139P.3	£125.03	
	110	⊗	GB	10	139P.4	£116.77	
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	£245.76
	110	92½	G	10	103P.4.92	£179.85	
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	£225.21
	110	92½	⊗	G	4	105P.4.92	£210.50
Access door with test nipple							
	Standard oval access door with test nipple for manometer connection.	127		G	50	6592/DVV*	£104.67
*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	£31.36
Access Cap							
	Spigot outlet.	82	⊗	G	5/40	136P.3	£50.90
	110		G	24	136P.4	£57.29	
	160		G	15	136P.6	£141.17	
Strap-on boss							
	For 32mm waste pipe.	110/32		GB	10/100	112P.4.125	£29.04
	For 40mm waste pipe.	110/40		GB	10/90	112P.4.15	£29.04
	For 50mm waste pipe.	110/50		GB	10/80	112P.4.2	£29.39
Straight boss adaptors							
	For 32mm waste pipe. Use on 82, 110 & 160mm stacks.	82, 110, 160	⊗	GBW	10/180	117.125	£13.39
	For 40mm waste pipe. Use on 82, 110 & 160mm stacks.	82, 110, 160	⊗	GBW	5/160	117.15	£13.39
	For 50mm waste pipe. Use on 82, 110 & 160mm stacks.	82, 110, 160	⊗	GBW	5	117.2	£19.06

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 hosesaw.					
110/40						
		G	5		115P.4	£28.66
Reducers						
	82/50	∅	G	5/85	124P.3.2	£46.90
	110/50		G	5/60	124P.4.2	£62.25
	110/82		G	5/30	124P.4.3	£62.25
	160/110	∅	G	5/15	124P.6.4	£94.05
Short bossed pipe						
	With boss connection.					
	For use with 117 boss horn, see page 36.					
	82	∅	G	5/15	123P.3	£37.01
	110		GB	10	123P.4	£35.67
Three way bossed pipe						
	1 boss horn, 2 x 40mm waste bosses.					
	82		G	5	123P.312	£90.00
Four way boss pipe push-fit socket/spigot						
	2 boss horns, 2 waste sockets.					
	110	∅	G	5/15	120P.412.2	£45.97
	160		G	4	120P.612.2	£150.10
Triple boss collar						
	2 boss horns, 1 waste socket.					
	110/40		G	10/30	120P.4.15	£35.67
	Cannot be used with 109.4					
Socket Plug						
	With boss horn.					
	110	∅	G	5/50	130.4	£42.95
	160	∅	G	5/35	130.6	£82.64

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 EN 1451 / BS 5255 / BS EN 1566 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	£132.64

Terrain

Waste Systems - 200 Solvent

Size	mm	Angle	Col	Pack/ Box	Code	Price Each
Waste pipe						
Plain ended.						
32 (3m)		⊖	GW	5	200.125.30	£30.64
32 (4m)		⊖	GW	5	200.125.40	£40.83
40 (3m)		⊖	GW	5	200.15.30	£37.87
40 (4m)		⊖	GW	5	200.15.40	£50.51
50 (3m)		⊖	GW	5	200.2.30	£58.24
50 (4m)		⊖	GW	5	200.2.40	£76.17
Seal ring adaptor						
To convert 50mm 207.2 spigot socket bends to expansion fitting.						
50		⊖	G	5/250	209.2	£15.23
Straight coupler double socket						
32		⊖	GW	10/350	210.125	£6.38
40		⊖	GW	10/240	210.15	£6.35
50		⊖	GW	10/120	210.2	£11.56
Union double socket						
Threaded union for easy disconnection if required.						
32		⊖	G	5/200	211.125	£27.22
40		⊖	G	5/125	211.15	£35.60
50		⊖	G	5/90	211.2	£40.58
Expansion coupler seal ring and solvent socket						
Installation guide is in the technical manual.						
32		⊖	GW	10/240	225.125	£11.20
40		⊖	GW	10/180	225.15	£13.83
50		⊖	GW	5/100	225.2	£18.29
Spigot/socket coupler						
To create a close-coupled expansion joint for all MuPVC fittings.						
32		⊖	GW	5/250	227.125	£11.44
40		⊖	GW	5/180	227.15	£14.04
50		⊖	GW	5/100	227.2	£18.66

Waste Systems - 200 Solvent

Size	mm	Angle	Col	Pack/ Box	Code	Price Each
Swept bend double socket						
91½°, 135° and 165° as standard. For 91½° swept bend.						
32	91½	⊖	GW	10/220	201.125.91	£6.48
40	91½	⊖	GW	10/140	201.15.91	£7.16
50	91½	⊖	GW	10/70	201.2.91	£12.68
For 135° swept bend						
32	135	⊖	GW	10/280	201.125.135	£6.48
40	135	⊖	GW	10/200	201.15.135	£7.16
50	135	⊖	GW	10/100	201.2.135	£12.68
For 165° swept bend						
32	165	⊖	G	10/320	201.125.165	£10.03
40	165	⊖	G	5/200	201.15.165	£12.96
50	165	⊖	G	5/250	201.2.165	£17.06
Spigot/socket bends						
To change pipe direction in limited-space situations.						
32	92½	⊖	GW	10/160	207.125.92	£10.61
40	92½	⊖	GW	10/100	207.15.92	£12.13
50	92½	⊖	GW	5/50	207.2.92	£17.31
32	135	⊖	GW	10/300	207.125.135	£10.76
40	135	⊖	GW	10/180	207.15.135	£12.60
50	135	⊖	GW	5/100	207.2.135	£17.61
32	150	⊖	G	10/260	207.125.150	£11.20
40	150	⊖	G	5/200	207.15.150	£12.82
Knuckle bend double socket						
32	91½	⊖	GW	10/280	202.125.91	£5.91
40	91½	⊖	GW	10/180	202.15.91	£6.49
Swept cross all socket						
40	91½	⊖	GW	5/105	206.15.91	£27.32
50	91½	⊖	GW	5/55	206.2.91	£28.60
50	135	⊖	G	5/55	206.2.135*	£190.61
*Fabricated.						
Swept tee all socket						
91½° and 135° as standard.						
32	91½	⊖	GW	10/120	204.125.91	£8.70
40	91½	⊖	GW	10/90	204.15.91	£10.98
50	91½	⊖	GW	5/45	204.2.91	£21.44
32	135	⊖	GW	10/120	204.125.135	£10.62
40	135	⊖	GW	5/80	204.15.135	£13.77
50	135	⊖	GW	5/80	204.2.135	£21.44

Waste Systems - 200 Solvent

Size	mm	Angle	Col	Pack/Box	Code	Price Each
Level invert taper						
40/32		▼	■	GW	5/230	223.15.125
50/32		▼	■	GW	10/190	223.2.125
50/40		▼	■	GW	10/160	223.2.15
Socket reducer						
40/32		▼	■	GBW	20/640	224.15.125
50/32		▼	■	GBW	10/350	224.2.125
50/40		▼	■	GBW	10/350	224.2.15
Pipe fixing clip						
32		■	GBW	20/800	240.125	£2.09
40		■	GBW	20/700	240.15	£2.41
50		■	GBW	20/400	240.2	£3.19
Expansion fitting fixing clip						
32		■	W	10/750	242.125	£2.57
40		■	W	10/500	242.15	£2.93
50		■	GW	10/300	242.2	£6.19
Access plug						
32		■	■	GBW	10/260	237.125
40		■	■	GBW	10/320	237.15
50		■	■	GBW	10/170	237.2
Weathering apron						
50		■	G	5/135	231.2	£14.00
Vent cowl						
50		■	GW	5/300	250.2	£15.86

Waste Systems - 200 Solvent

Size	mm	Angle	Col	Pack/Box	Code	Price Each
Automatic air admittance valve						
50		■	W	10/200	253.2	£81.10
Trapped floor gully						
110/82		G	20		281.43	£84.44
160/110		GT	12		281.64	£86.33
Floor gully inlets						
110 PVC		■	GW	36	282.6	£30.65
110 SS		Self	36		283.6	£64.63
Sealed gully raising piece						
110 PVC		■	GW	36	284.6	£39.07
Adaptor to underground drain pipe						
32/40/50		B	5/60		4DW200	£61.22
Note: As a Terrain Underground product different discount structure applies.						
Caulking bush						
32/40/50		■	G	10/350	232	£15.81
Reverse nut adaptor						
32/32		▼	■	W	10/300	218.125
40/40		▼	■	W	10/250	218.15

Waste Systems - 200 Solvent

Size	mm	Angle	Col	Pack/ Box	Code	Price Each
200 waste female iron						
For solvent-weld connection of MuPVC waste pipe or fitting to BSP threaded male pipe or fitting.						
32/32		⊖	G	10/270	212.125	£11.56
40/40		⊖	G	10/200	212.15	£11.56
50/50		⊖	G	5/140	212.2	£16.65
Socket and threaded socket						
32/32		⊖	G	5/225	216.125	£11.14
40/40		⊖	G	5/190	216.15	£13.06
50/50		⊖	G	5/200	216.2	£18.99
Spigot and threaded socket						
32/32		⊖	G	5/225	216.125	£11.14
40/40		⊖	G	5/190	216.15	£13.06
50/50		⊖	G	5/200	216.2	£18.99
200 waste male iron						
For solvent-weld connection of MuPVC waste pipe or fitting to BSP threaded female pipe or fitting.						
32/32		⊖	GW	10/320	213.125	£9.87
40/40		⊖	GW	10/240	213.15	£11.56
50/50		⊖	GW	5/140	213.2	£16.65
Socket and threaded spigot.						
32/32		⊖	G	5/300	217.125	£11.14
40/40		⊖	G	5/240	217.15	£13.06
50/50		⊖	GW	5/160	217.2	£17.89
Spigot and threaded spigot.						

Waste Systems - 300 Push-fit

Size	mm	Angle	Col	Pack/ Box	Code	Price Each
Waste pipe						
Plain-ended.						
32 (3m)			W	10	300.125.30	£16.77
40 (3m)			W	10	300.15.30	£20.80
Straight coupler double socket						
32			W	10/350	310.125	£5.43
40			W	10/300	310.15	£5.33
Swept bend double socket						
32	91½		W	10/240	301.125.91	£5.33
40	91½		W	10/200	301.15.91	£5.96
Swept bend double socket						
32	135		W	10/300	301.125.135	£5.43
40	135		W	10/280	301.15.135	£5.33
Knuckle bend double socket						
32	90		W	10/160	302.125.90	£5.33
40	90		W	10/220	302.15.90	£5.33
Swivel elbow bend socket/spigot						
32	90		W	10/170	307.125.90	£5.43
40	90		W	10/110	307.15.90	£5.43
Swept tee						
32	91½		W	10/160	304.125.91	£5.97
40	91½		W	5/120	304.15.91	£5.97

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	£5.83
					
Pipe and fitting clip					
32		W	20/800	340.125	£1.85
40		W	20/600	340.15	£1.85
					
Tank connector					
For connecting push-fit polypropylene pipe to water tank. Supplied with 2 sealing washers.					
32		W	10/150	311.125	£5.43
40		W	10/300	311.15	£5.43
					
Compression reducer					
40-38		W	100	PS38	£7.15
					
32mm seal for PS38				PRD100	£1.74
40mm seal for PS38				PRD101	£1.74

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	£27.86
40 (3m)		W	5	600.15.30	£37.15
50 (3m)		W	5	600.2.30	£40.83
					
Straight coupler double socket					
32		W	10	610.125	£5.80
40		W	10	610.15	£5.72
50		W	10	610.2	£10.50
					
Swept bend double socket					
For 91½° swept bend, 91.25°, 135° and 165° as standard.					
32	91½	W	20/220	601.125.91	£5.91
40	91½	W	10/140	601.15.91	£6.49
50	91½	W	10/70	601.2.91	£11.52
					
Knuckle bend double socket					
32	91½	W	10/280	602.125.91	£5.35
40	91½	W	10/180	602.15.91	£5.93
					
Swept bend double socket					
For 135° swept bend.					
32	135	W	10/280	601.125.135	£5.91
40	135	W	10/200	601.15.135	£6.49
50	135	W	10/100	601.2.135	£11.52
					
Spigot/socket bends					
To change pipe direction in limited space situations.					
32	135	W	10/300	607.125.135	£9.81
40	135	W	10/180	607.15.135	£11.44
					

Terrain

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	£10.19
	40		W	10/180	625.15	£12.56
	50		W	5/100	625.2	£16.61
Access plug						
	32		W	10/350	637.125	£5.35
	40		W	10/320	637.15	£5.35
	50		W	10/180	637.2	£7.67
Swept tee all socket						
	32	91¼	W	10/120	604.125.91	£7.92
	40	91¼	W	10/90	604.15.91	£9.96
	50	91¼	W	5/45	604.2.91	£19.49
Tee all socket						
	32	135	W	10/120	604.125.135	£9.67
	40	135	W	5/80	604.15.135	£12.54
	50	135	W	5/80	604.2.135	£19.49
Swept cross all socket						
	40	91¼	W	5/105	606.15.91	£24.83
	50	91¼	W	5/55	606.2.91	£25.98
Socket reducer						
	40/32		W	20/640	624.15.125	£5.80
	50/32		W	10/350	624.2.125	£9.17
	50/40		W	10/350	624.2.15	£10.21

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	£10.13
	40		W	5/220	617.15	£11.85
	50		W	5/160	617.2	£16.27
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	£10.50
	40		W	10/200	612.15	£10.50
	50		W	5/140	612.2	£15.15

Overflow Systems - 500 Overflow

Size	mm	Angle	Col	Pack/ Box	Code	Price Each
Waste pipe						
Plain ended.						
19 (4m)			W	20	500.75.40	£25.80
Straight coupler double socket						
19			W	50/1000	510.75	£6.86
Bend double socket						
19	91¼		W	50/750	501.75.91	£8.11
19	135		W	50/1100	501.75.135	£8.15
Branch						
19	91¼		W	20/900	504.75.91	£8.79
Socket Reducer						
19/32			W	20/900	524.75	£9.58
Pipe fixing clip - plastic						
19			W	50/2500	540.75	£2.51
Straight tank connector						
To connect cistern/tank to overflow pipe.						
19			W	10/250	511.75	£10.88
Bent tank connector 90°						
19	90		W	10/200	502.75.90	£12.89

Overflow Systems - 500 Overflow

Size	mm	Angle	Col	Pack/ Box	Code	Price Each
Female to PVCu connector						
19			W	10/750	512.75	£11.69
Reverse nut connector						
To connect PVCu overflow pipe to threaded components. Solvent-weld socket to receive overflow pipe. Threaded socket to receive ¾" BSP male threaded pipe end.						
19			W	20/300	519.75	£3.32
Tundish						
Double socket (19mm) inline Tundish.						
19			W	5/100	590.75	£67.69

Terrain

Waste Traps - 400							
	Size	mm	Angle	Col	Pack/Box	Code	Price Each
Bottle trap							
	75mm water seal.						
40	⌚	W	5/60	411.15		£16.40	
Bottle trap anti-syphon							
	75mm water seal.						
32	⌚	W	5/60	411AS.125	£18.20		
40	⌚	W	5/60	411AS.15	£21.34		
Resealing bottle trap							
	75mm water seal.						
32	⌚	W	5/60	415.125	£17.50		
40	⌚	W	5/60	415.15	£20.94		
Bottle trap - adjustable telescopic							
	75mm water seal.						
32	⌚	W	5/60	411T.125	£16.87		
40	⌚	W	5/60	411T.15	£20.17		
Bottle trap anti-syphon - adjustable telescopic							
	75mm water seal.						
32	⌚	W	5/60	421AS.125	£21.10		
40	⌚	W	5/60	421AS.15	£24.54		
Resealing bottle trap - adjustable telescopic							
	75mm water seal.						
32	⌚	W	5/60	421.125	£20.70		
40	⌚	W	5/60	421.15	£23.97		
Tubular swivel P trap							
	75mm water seal.						
32		W	5/80	431.125	£11.54		
40	⌚	W	5/60	431.15	£13.72		
Tubular swivel P trap - adjustable telescopic							
	75mm water seal.						
40		W	5/60	431T.15	£16.71		
Tubular swivel P trap anti-syphon							
	75mm water seal.						
40	⌚	W	5/60	431AS.15	£18.21		
Tubular swivel P trap anti-syphon - adjustable telescopic							
	75mm water seal.						
40	⌚	W	5/60	431TAS.15	£19.90		
P to S trap conversion bend							
	To convert tubular P traps to S traps.						
32		W	10/140	407.125.90	£6.56		
40		W	5/250	407.15.90	£7.39		

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	£13.98		
40	⌚	W	5/40	432.15	£16.65		
Running trap							
	75mm water seal.						
40	⌚	W	5/50	445.15	£18.72		
Running trap anti-syphon							
	75mm water seal.						
32		W	5/60	445AS.125	£22.28		
40		W	5/50	445AS.15	£23.38		
Washing machine half trap							
	75mm water seal with adaptor.						
40	⌚	W	5/40	433.15	£22.99		
Washing machine half trap anti-syphon							
	75mm water seal with adaptor.						
40	⌚	W	5/40	433AS.15	£28.27		
Washing machine trap with upstand							
	75mm water seal with 0.6m upstand and 2 clips.						
40	⌚	⌚	W	5/130	434.15	£22.53	
Washing machine trap anti-syphon with upstand							
	75mm water seal with 0.6 upstand and 2 clips.						
40	⌚	⌚	W	5/10	434AS.15	£25.89	
Low level bath trap							
	38mm water seal.						
40	⌚	⌚	W	5/30	457.15	£13.98	
Shower trap with 45° adjustable waste							
	50mm water seal, 70mm grid.						
40		W	5/50	484.15	£30.79		
40		C/P	5/45	486.15	£34.73		
Condensate trap							
							
40		W	1/30	420.15	£27.04		

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	£12.93
						
90° WC connector fin seal bend						
110	90	▽	W	5/15	499P.4.90	£15.38
						
14° WC connector fin seal spigots						
110	14		W	5/35	499P.4.104	£12.70
						
40mm offset WC connector fin seal						
110			W	5/30	494P.1.4.00	£12.70
						
12mm offset WC connector fin seal						
110			W	5/40	494P.2.4.00	£12.70
						
Swivel connector 0-30° fin seal						
Adjustable 0-30°						
						
Swan neck WC connector 90° fin seal						
110	90		W	5/15	496P.4.90	£28.10
						
Long 90° WC connector fin seal						
225mm leg						
110	90		W	5/10	491P.4.90	£16.06
						

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	£38.02
						
Extension 200mm						
110			W	5/25	493P.00	£11.69
						
WC manifold connectors fin seal spigot						
When used in conjuction 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	£33.16
110	14		W	6	499.4.14	£33.16
110	24		W	5/10	499.4.24	£33.16
110	34		W	5/10	499.4.34	£33.16
WC frame manifold bend connectors fin seal spigot						
110	5		B	5/10	497.35.05	£90.49
110	34		B	5/10	497.35.34	£90.49
110	18		B	1/12	F497.35.18	£90.49
110	29		B	1/12	F497.35.29	£90.49
WC connectors socket outlet						
110	2½		W	5/50	498.4.02	£20.09
						
110	90		W	5/25	498.4.90	£32.49
						
90° WC turned connector socket outlet						
110	90		W	5/20	492.4.5	£51.78
						
WC straight connector socket outlet						
For connecting non BS 5503 WC pans to soil pipes						
110			W	5/25	495.4.5	£36.21
						

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
						£350.00
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
						£49.93
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
						£30.74
	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
						£15.43
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		£4.96
	Push-fit Soil (P) range					
160	B	1		9116.6		£12.93
	103/105/109/111/111.S/126/132/137					
110	B	1		9119.B		£10.78

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	£1.72
40		B	1		9132.15	£2.00
50		B	1		9132.2	£2.68
Spare manifold insert						
	Material: EPDM. Spare insert for 119P.					
40		B	1		9113	£3.60
						
Spare manifold plug						
	Spare insert for 119P.					
40		G	1		9114	£4.04
						
Spare access door						
	Spare door for 139.4, 139P4, 138.4, 137.4, 105.4.92 & 105P4.92					
110		G	1		137.4.502	£31.36
						
Cleaning fluid						
	Material: Acetone.					
	For cleaning PVCu pipe and fittings before applying Liquid Weld. Screw top caps.					
250ml			20		9101.250CF	£34.27
						
Lubricant						
	Material: Silicone grease Soluble lubricant.					
	For lubricating seal rings on expansion fittings.					
250ml	Tub (silicone)		10/40		9136.250L	£122.45
500ml	Tub (soluble)		10/20		9136.500L	£25.29
						
Liquid weld						
	Low VOC solvent for solvent jointing of PVCu and ABS pipes and fittings.					
	Cap on 250ml incorporates integral brush.					
250ml	⊗		10		9100.250SW	£50.06
						
500ml	⊗		10		9100.500SW	£92.49
						

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100.3.30	GB	£144.52	33
100.3.40	GBW	£189.26	33
100.4.30	GBW	£140.58	33
100.4.40	GBW	£187.36	33
100.6.30	G	£382.96	33
100.6.40	G	£500.54	33
101.3.92	GBW	£62.91	33
101.3.135	GBW	£62.91	33
101.4.025	G	£136.76	33
101.4.92	GBW	£71.51	33
101.4.104	G	£74.49	33
101.4.112	GB	£74.49	33
101.4.135	GBW	£71.51	33
101.6.92	G	£187.35	33
101.6.135	G	£183.24	33
103.4.92	GB	£198.40	34
104.3.92	GBW	£87.89	33
104.3.135	G	£87.89	33
104.4.92	GBW	£94.60	33
104.4.104	G	£119.54	33
104.4.135	GBW	£98.70	33
104.4.924	G	£171.33	33
104.6.92	G	£211.18	33
104.6.135	G	£403.08	33
104.6.492	G	£238.43	34
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107.4.92	GBW	£69.33	33
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109.3	GB	£16.23	33
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109.6	G	£42.83	33
110.3	GBW	£25.03	33
110.4	GBW	£30.43	33
110.6	G	£90.31	33
111.3	GBW	£38.28	33
111.4	GBW	£31.18	33
111.6	G	£17.86	33
111.5.3	G	£79.51	33
111.5.8	GB	£66.89	33
112.3.15	G	£144.50	33
112.4.2	G	£35.16	35
112.4.15	G	£34.67	35
112.4.125	G	£34.18	35
112.5	G	£49.71	35
115.4	G	£20.66	36
117.2.30	GW	£23.92	36
117.2.150	G	£21.73	36
117.2	G	£19.06	36
117.15.90	GW	£19.94	36
117.15	G	£13.39	36
117.125	G	£13.39	36
119.14.125	G	£130.68	36
120.3.2	G	£53.97	36
120.4.2	GB	£41.57	36
120.4.15	GBW	£25.59	35
120.4.125	GBW	£25.59	35
120.6.2	G	£135.72	36
120.4.122	G	£42.42	36
120.4.12.15	G	£25.34	36
121.4.15	G	£42.42	36
122.4.15	G	£48.55	35
122.4.125	G	£46.47	35
123.4	GBW	£26.99	35
124.3.2	G	£83.07	36
124.4.2	GBW	£46.15	36
124.4.3	GBW	£47.59	36
124.6.4	G	£101.38	36
130.4	G	£42.95	35
130.6	G	£82.64	35
131.3	GB	£18.44	35
131.3.200	G	£77.86	35

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135.4	GB	£93.12	34
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136.6	G	£134.34	34
137.2	GW	£167.25	34
137.4.502	G	£31.36	34
137.4	GBW	£96.64	34
138.4	GBW	£75.17	34
138.6	G	£293.10	34
138.9	GB	£77.04	34
139.6	G	£120.60	34
140.3	Self	£20.35	35
140.4	Self	£20.58	35
140.6	Self	£50.88	35
143.3	GBW	£154.35	35
143.4	GBW	£123.35	35
144.4	BW	£27.43	35
150.3	G	£18.15	35
150.6	GBW	£17.39	35
150.9	GBW	£48.80	35
152.4	GB	£79.73	35
152.6	G	£206.68	35
153.3	W	£208.53	35
153.4	W	£208.53	35
153.5	Self	£126.21	35
153.6	Self	£133.46	35
153.7	Self	£217.67	35
153.8	Self	£64.24	35
153.9	Self	£67.84	35
191.6	Self	£93.43	35
191.7	GB	£127.91	37
191.8	GB	£126.29	37
191.9	GB	£162.69	37
191.10	G	£352.69	37
191.11	G	£470.43	37
191.12	G	£78.69	37
191.13	G	£62.41	37
191.14	GB	£63.92	37
191.15	G	£74.34	37
191.16	GB	£205.45	37
191.17	G	£245.76	38
191.18	G	£103.92	38
191.19	G	£179.85	38
191.20	G	£44.92	38
191.21	G	£100.08	38
191.22	G	£223.61	38
191.23	G	£98.82	37
191.24	GB	£162.44	37
191.25	GB	£86.22	37
191.26	G	£126.78	37
191.27	G	£90.87	37
191.28	G	£201.06	37
191.29	G	£186.18	37
191.30	G	£234.24	37
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191.32	G	£210.50	38
191.33	G	£469.15	37
191.34	G	£234.98	38
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191.46	GB	£29.76	37
191.47	G	£97.43	37
191.48	G	£53.00	37
191.49	GB	£239.39	38
191.50	G	£35.67	39
191.51	GB	£204.21	38
191.52	GB	£204.21	38
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191.54	GB	£19.11	39
191.55	GB	£150.10	39
191.56	G	£37.01	39
191.57	GB	£35.67	39
191.58	G	£24.15	39
191.59	GBW	£120.612	39
191.60	G	£150.10	39
191.61	GBW	£240.125	39
191.62	G	£240.125	39
191.63	GBW	£19.06	38
191.64	GBW	£139.39	38
191.65	GBW	£139.45	36
191.66	G	£119.94	36
191.67	G	£120.41	36
191.68	G	£120.41	36
191.69	G	£120.41	36
191.70	G	£120.41	36
191.71	G	£120.41	36
191.72	G	£120.41	36
191.73	G	£120.41	36
191.74	G	£120.41	36
191.75	G	£120.41	36
191.76	G	£120.41	36
191.77	G	£120.41	36
191.78	G	£120.41	36
191.79	G	£120.41	36
191.80	G	£120.41	36
191.81	G	£120.41	36
191.82	G	£120.41	36
191.83	G	£120.41	36
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191.92	G	£120.41	36
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191.171	G	£120.41	36
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411AS.15	W	£21.34	46
411AS.125	W	£18.20	46
411T.15	W	£20.17	46
411T.125	W	£16.87	46
415.15	W	£20.94	46
415.125	W	£17.50	46
420.15	W	£27.04	46
421.15	W	£23.97	46
421.125	W	£20.70	46
421AS.15	W	£24.54	46
421AS.125	W	£21.10	46
431.15	W	£13.72	46
431.125	W	£11.54	46
431AS.15	W	£18.21	46
431T.15	W	£16.71	46
431TAS.15	W	£19.90	46
432.15	W	£16.65	46
432.125	W	£13.98	46
433.15	W	£22.99	46
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434.15	W	£22.53	46
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9114	G	£4.04	48
9115	Self	£350.00	48
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9116.6	B	£12.93	48
9119.8	B	£10.78	48
9124	B	£30.74	48
9132.2	B	£2.68	48
9132.15	B	£2.00	48
9132.125	B	£1.72	48
9136.250L		£122.45	48
9136.500L		£25.29	48



Innovation
driven by
experience.

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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.

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A clear focus on customer requirements delivers ideal drainage solution for film factory development.



Eastman Village (formerly Harrow View East) is an ambitious, multi-phased project built on the old Kodak factory site in Harrow. The project will deliver a complete new urban neighbourhood of over 2,000 homes together with workspace, retail and leisure facilities. Polypipe Building Services (PBS) is currently providing drainage systems for 474 flats, across 4 towers – working with M&E Contractor, Millharbour on behalf of Barratt London.

CASE STUDY

Project

Eastman Village.

Client

Millharbour on behalf of Barratt London. Masterplan designed by Pollard Thomas Edwards architects.

Application

Drainage – soil and waste.

Products

Full fabrication – drainage stacks. Terrain FUZE and Advantage Off-site Prefabrication Service

Custom drainage system clicked perfectly with project on former Kodak site.

Eastman Village is a highly specified and carefully designed project which incorporates many community amenities.

The building layout is quite complex, requiring a considered approach to how the M&E elements deliver all the facilities. The drainage system brief was challenging as the bathrooms were highly specified, with an ambitious build schedule.

Millharbour worked closely with the Advantage Team at PBS to create a bespoke solution. Terrain FUZE was chosen for the project as it is highly customisable. It's also lightweight and highly resistant to impact and abrasion making it ideal for the high-level pipework in the basement. A single, rapidly installed system could therefore be used for the whole building.

The Design Team created a solution that combined butt-welds and expansion enabling the complex stack design to be installed with a single Electrofusion coupling on the ground floor to connect the stacks to the high-level pipework in the basement. Each stack section then had a ring seal at the top into which the next section could be push-connected from the floor above.

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

"Millharbour were looking for a system which minimised the need for plant and maximised the productivity of the install team. But at the same time, it had to be carefully configured to work with the design of the apartments.

A fast, efficient and straightforward install up the building was going to be vital to keep to the schedule – without having to deploy lots of manpower.

Prefabrication and careful design really helped deliver the customisation and speed that the project demanded. After the high-level was installed with the single EF coupling at the bottom of each stack, the guys could just drop each floor section of stack down into the expansion joint below. And being so lightweight, Terrain FUZE is also very labour-efficient compared to conventional systems."

Andy Stylianou, Company Director at Millharbour, comments:

"Polypipe have such a complete understanding of different jointing techniques which together with their prefabrication capability meant we achieved a system that made a complex installation very straightforward. There was minimal on-site jointing work and as the system was robust but lightweight we could use our teams very efficiently. Once the high-level work was in, the stacks just shot up the building."





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.

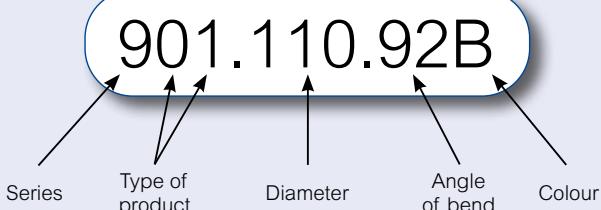
Utilising the intrinsic properties of high-density polyethylene, Terrain FUZE offers greater benefits above and beyond more traditional materials and performs significantly better when tested for impact and abrasion resistance, chemical corrosion and extreme temperatures.

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

A Guide to the Terrain HDPE Drainage Product Coding System



Above Ground Drainage

Series

900 = HDPE FUZE

Diameter

40 = 40mm O/D waste
50 = 50mm O/D waste
56 = 56mm O/D waste
75 = 75mm O/D waste
110 = 110mm O/D soil
160 = 160mm O/D soil
200 = 200mm O/D soil
250 = 250mm O/D soil
315 = 315mm O/D soil

Type of Product

900 = Pipe
901 = Bend
904 = Branch
906 = Double Branch
910 = Couplings
93x = Access Fittings

Colour

B - Black - RAL 9005

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.

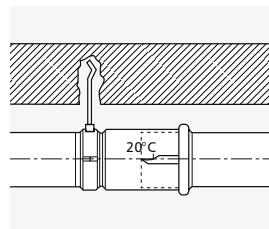


BSI kitemark certified

Terrain FUZE On-site Jointing Techniques

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.

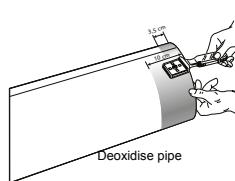
The electrical resistance wires will not corrode as they are protected by HDPE after welding.



Pipe scraper



Terrain FUZE Electrofusion Machine

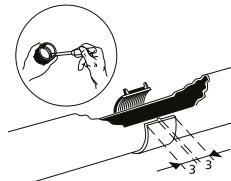


Cut the pipe squarely, dry, clean and scrape the welding surfaces.

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.

Stax faster with *Terrain FUZE* Stax

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

They remove repetitive 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.

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**2-PART
SOLUTION**

 **Polypipe**
Building Services

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	R 1	9401.11011056B	£201.56
160/110/56	R 1	9401.16011056B	£399.05
HDPE Bathroom Single Locked			
7 Bosses Bottom section, use with an access section (9411).			
110/110/56	R 1	9402.11011056B	£159.77
160/110/56	R 1	9402.16011056B	£354.65
HDPE Bathroom Double Expansion			
6 Bosses Bottom section, use with an access section (9411).			
110/110/56	R 1	9403.11011056B	£195.09
160/110/56	R 1	9403.16011056B	£417.66
HDPE Bathroom Double Locked			
6 Bosses Bottom section, use with an access section (9411).			
110/110/56	R 1	9404.11011056B	£183.48
160/110/56	R 1	9404.16011056B	£351.76
HDPE Bathroom Corner Expansion			
110mm = 6 Bosses, 160mm = 7 Bosses. Bottom section, use with an access section (9411).			
110/110/56	R 1	9405.11011056B*	£236.23
160/110/56	R 1	9405.16011056B	£416.54
*with 2 x 3-way boss branches			
HDPE Bathroom Corner Locked			
110mm & 160mm = 7 Bosses.			
110/110/56	R 1	9406.11011056B	£217.25
160/110/56	R 1	9406.16011056B	£355.39

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

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	R 1	9407.7556B	£74.38
110/56	R 1	9407.11056B	£105.13
110/56	R 1	9407.110563B*	£105.13
160/56	R 1	9407.16056B	£221.34

Size mm	Pack Qty	Code	Price Each
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	R 1	9408.7556B	£62.94
110/56	R 1	9408.11056B	£81.69
110/56	R 1	9408.110563B*	£81.69
160/56	R 1	9408.16056B	£156.82

Utilities

Size mm	Pack Qty	Code	Price Each
HDPE Utility Expansion			
75mm = 2 x Single Branch, 110mm & 160mm = 2 x 4-Way Branch.			
75/56	R 1	9409.7556B	£80.10
110/56	R 1	9409.11056B	£160.73
110/56	R 1	9409.110563B*	£160.73
160/56	R 1	9409.16056B	£415.22

* Excluding 9409.110563B = 2 x 3-Way Branch. Bottom section, use with an access section (9411).

HDPE Utility Locked

Size mm	Pack Qty	Code	Price Each
75mm = 2 x Single Branch, 110mm & 160mm = 2 x 4-Way Branch.			
75/56	R 1	9410.7556B	£68.65
110/56	R 1	9410.11056B	£139.09
110/56	R 1	9410.110563B*	£139.09
160/56	R 1	9410.16056B	£246.77

* Excluding 9410.110563B = 2 x 3-Way Branch. Bottom section, use with an access section (9411).

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.			
56	R 1	9412.56B	£71.83
75	R 1	9412.75B	£84.96
110	R 1	9412.110B	£127.24
160	R 1	9412.160B	£293.28

Terrain

No Connections

Size mm	Pack Qty	Code	Price Each
HDPE No Connection			
56	R 1	9411.56B	£41.88
75	R 1	9411.75B	£48.03
110	R 1	9411.110B	£65.30
160	R 1	9411.160B	£122.76



Vents

Size mm	Pack Qty	Code	Price Each
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HDPE Terrain P.A.P.A. Horizontal

For connecting to Terrain P.A.P.A. valve 9300.4 (see p73).



110/110	R 4	9413.110110B	£36.23
160/110	R 3	9413.160110B	£110.53

HDPE Terrain P.A.P.A. Vertical

For connecting to Terrain P.A.P.A. valve 9300.4 (see p73).



110/110	R 4	9414.110110B	£51.50
160/110	R 3	9414.160110B	£113.20

HDPE Cross Vent Termination



110/56	R 4	9415.11056B	£34.33
110/75	R 4	9415.11075B	£40.05
110/110	R 4	9415.110110B	£43.48
160/110	R 3	9415.160110B	£109.70

HDPE Cross Vent



110/56	R 4	9416.11056B	£34.33
110/75	R 4	9416.11075B	£42.34
110/110	R 4	9416.110110B	£42.99
160/110	R 3	9416.160110B	£117.27

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	£19.65
50	⊗ 50	900.50.30B	£23.48
56	⊗ 40	900.56.30B	£26.96
75	⊗ 30	900.75.30B	£37.21
110	⊗ 15	900.110.30B	£66.80
160	⊗ 10	900.160.30B	£160.32

HDPE Pipe - 5 metre length



40	⊗ 159	900.40.50B	£32.91
50	⊗ 86	900.50.50B	£39.07
56	⊗ 98	900.56.50B	£44.83
75	⊗ 58	900.75.50B	£62.04
110	⊗ 57	900.110.50B	£111.29
160	⊗ 10	900.160.50B	£267.16
200	⊗ 10	900.200.50B	£346.22
250	⊗ 8	900.250.50B	£555.02
315	⊗ 6	900.315.50B	£865.50

Electrofusion Couplings

Size mm	Pack Qty	Code	Price Each
HDPE electrofusion couplings			



40	⊗ 20	910.40B	£9.61
50	⊗ 20	910.50B	£9.90
56	⊗ 16	910.56B	£9.50
75	⊗ 18	910.75B	£14.37
110	⊗ 10	910.110B	£14.17
160	⊗ 8	910.160B	£35.56
200	⊗ 10	910.200B	£247.68
250	⊗ 55	910.250B	£409.42
315	⊗ 34	910.315B	£464.38

Ring Seal Couplings

Size mm	Pack Qty	Code	Price Each
HDPE ring seal socket			



With central stop.			
110	1	910P.110B	£98.57
160	5	910P.160B	£356.23
200	1	910P.200B	£453.37
250	1	910P.250B	£680.05
315	1	910P.315B	£939.11

HDPE ring seal expansion socket			
Used for expansion.			



40	R 20	911.40B	£19.44
50	R 30	911.50B	£19.33
56	R 30	911.56B	£18.52
75	R 20	911.75B	£24.57
110	R 10	911.110B*	£26.32
160	R 80	911.160B*	£71.79
200	R 1	911.200B	£331.39
250	R 1	911.250B*	£459.82
315	R 8	911.315B*	£832.23

*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	£7.45
50	80	927.50B	£8.87
56	80	927.56B	£12.02
75	30	927.75B	£14.11
110	20	927.110B	£16.70
160	15	927.160B	£55.83
200	1	927.200B	£294.13
250	1	927.250B*	£484.04
315	1	927.315B*	£558.56



*without cap.

HDPE sliding connector

Without central stop			
110	16	911S.110B	£183.20
160	8	911S.160B	£356.23
200	1	911S.200B	£485.73
250	1	911S.250B	£680.05
315	1	911S.315B	£939.11

**HDPE female PVC adaptor with ring seal**

110/100	10	925.110100B	£45.38
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**UNIQUE****HDPE - PVC ring seal adaptor**

40 x 36	5	927.4036B	£14.56
50 x 36	5	927.5036B	£14.62
50 x 43	5	927.5043B	£14.67
56 x 36	5	927.5636B	£14.67
56 x 43	5	927.5643B	£14.71

**Material and Sizing Compatibility**

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
UNIQUE HDPE 90° ring seal adaptor bend			
56	1	927.56.90B	£21.34
UNIQUE HDPE 135° (45°) ring seal adaptor bend			
56	1	927.56.135B	£21.34

**Alignment Funnel**

Size mm	Pack Qty	Code	Price Each
HDPE Alignment Funnel			
110	6	911E.110B	£190.09

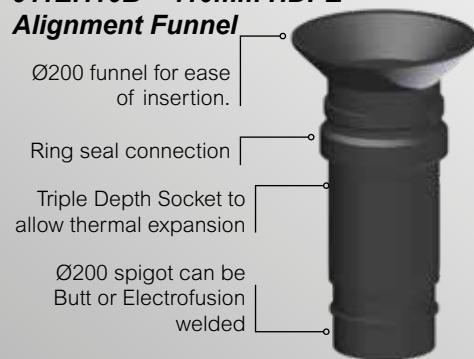
**Rigid Fixings**

Size mm	Pack Qty	Code	Price Each
HDPE rigid fixing			
For joining HDPE to HDPE.			
110	4	990.110B	£61.31
For joining HDPE to PVC.			
110	4	990.4B	£54.03

RECOMMENDED**Mechanical Couplings**

Size mm	Pack Qty	Code	Price Each
HDPE mechanical coupling			
For joining HDPE to HDPE or HDPE to EN877 Cast Iron.			
110	12	9110.110B	£44.97
160	8	9110.160B	£56.12
For joining HDPE to BS416 Cast Iron.			
110	12	9110.110C	£54.62
160	8	9110.160C	£102.06

NOTE: As a Mechanical Coupling product, a different discount structure applies

911E.110B – 110mm HDPE Alignment Funnel

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



You spoke.

We
listened.



When we asked you about drainage stacks, you told us that as plans change, walls and floors move, projects get complicated. And some connections are just plain awkward.

We hear you. So, the Terrain FUZE range now includes unique problem-solving fittings. A long radius bend, a zero to 25° variable bend, 90° and 135° ring seal adaptors and a 3-way boss branch.

Now you can deal with unplanned changes, odd shapes and tight spaces much more quickly and easily.

If that sounds good to you, scan QR code or visit www.polypipebuildingservices.com



**THIS IS OUR
TERRAIN**

Bends

Size mm	Pack Qty	Code	Price Each
HDPE 92.5° (87.5°) bend			
40	200	901.40.92B	£4.40
50	100	901.50.92B	£5.93
56	90	901.56.92B	£5.75
75	40	901.75.92B	£10.76
110	30	901.110.92B	£15.97
160	90	901.160.92B	£66.99

**HDPE 90° bend**

Size mm	Pack Qty	Code	Price Each
200	1	907.200.90B	£245.35
250	14	907.250.90B	£409.62
315	1	907.315.90B	£595.82

Wide radius, and welded.

**HDPE extended spigot bend**

Size mm	Pack Qty	Code	Price Each
56	20	902.56.90B	£6.99
110	10	902.110.90B	£22.68

**HDPE 112.5° (67.5°) bend**

Size mm	Pack Qty	Code	Price Each
110	1	901.110.112B*	£83.85
160	1	901.160.112B*	£130.01
200	1	901.200.112B*	£149.11
250	1	901.250.112B*	£244.51
315	1	901.315.112B*	£422.40

*Welded

**HDPE 135° (45°) bend**

Size mm	Pack Qty	Code	Price Each
40	5	901.40.135B	£4.40
50	5	901.50.135B	£4.43
56	120	901.56.135B	£5.19
75	50	901.75.135B	£8.54
110	24	901.110.135B	£12.22
160	18	901.160.135B	£51.70
200	32	901.200.135B*	£142.59
250	1	901.250.135B*	£231.95
315	10	901.315.135B*	£321.67

*Welded

**HDPE 150° (30°) bend**

Size mm	Pack Qty	Code	Price Each
110	30	901.110.150B*	£41.28
160	1	901.160.150B*	£63.05
200	1	901.200.150B*	£78.25
250	1	901.250.150B*	£128.13
315	1	901.315.150B*	£203.76

*Welded

**HDPE 165° (15°) bend**

Size mm	Pack Qty	Code	Price Each
110	30	901.110.165B*	£40.38
160	1	901.160.165B*	£59.77
200	1	901.200.165B*	£72.67
250	1	901.250.165B*	£125.09
315	1	901.315.165B*	£183.04

*Welded

**UNIQUE HDPE 92.5° (87.5°) long radius bend**

Size mm	Pack Qty	Code	Price Each
110	1	901.110.92RB	£67.71

**Bends**

Size mm	Pack Qty	Code	Price Each
UNIQUE			
110	1	907.110.025B*	£86.40

Branches

Size mm	Pack Qty	Code	Price Each
HDPE 90° branch			
40	100	904.40.90B	£8.76
50	70	904.50.90B	£11.12
56	40	904.56.90B	£11.12
75	30	904.75.90B	£13.69
110	20	904.110.90B	£20.07
160	8	904.160.90B	£111.68
200	1	904.200.90B*	£221.50
250	1	904.250.90B*	£316.54
315	1	904.315.90B*	£446.85

*Welded



Size mm	Pack Qty	Code	Price Each
HDPE 90° reducing branch			
50/40	25	904.5040.90B	£11.12
56/50	25	904.5650.90B	£11.12
75/40	25	904.7540.90B	£13.69
75/50	20	904.7550.90B	£13.69
75/56	30	904.7556.90B	£13.69
110/40	15	904.11040.90B	£20.07
110/50	10	904.11050.90B	£20.07
110/56	10	904.11056.90B	£20.07
110/75	10	904.11075.90B	£20.07
160/110	8	904.160110.90B	£111.68
200/110	1	904.200110.90B*	£221.50
200/160	1	904.200160.90B*	£221.50
250/110	1	904.250110.90B*	£316.54
250/160	1	904.250160.90B*	£316.54
250/200	1	904.250200.90B*	£316.54
315/110	1	904.315110.90B*	£372.34
315/160	1	904.315160.90B*	£372.34
315/200	1	904.315200.90B*	£372.34
315/250	1	904.315250.90B*	£372.34

*Welded



Size mm	Pack Qty	Code	Price Each
HDPE 135° (45°) Y branch			
40	80	904.40.135B	£10.74
50	50	904.50.135B	£11.12
56	40	904.56.135B	£10.53
75	20	904.75.135B	£12.97
110	16	904.110.135B	£22.27
160	45	904.160.135B	£102.74
200	16	904.200.135B*	£331.39
250	8	904.250.135B*	£558.56
315	1	904.315.135B*	£819.22

*Welded



Terrain

Branches

Size mm	Pack Qty	Code	Price Each
HDPE 135° (45°) reducing Y branch			
50/40	20	904.5040.135B	£11.12
56/50	20	904.5650.135B	£10.53
75/40	25	904.7540.135B	£12.97
75/50	25	904.7550.135B	£12.97
75/56	25	904.7556.135B	£12.97
110/40	10	904.11040.135B	£22.27
110/50	15	904.11050.135B	£22.27
110/56	15	904.11056.135B	£22.27
110/75	8	904.11075.135B	£22.27
160/75	6	904.16075.135B	£138.49
160/110	7	904.160110.135B	£102.74
200/75	1	904.20075.135B*	£206.60
200/110	1	904.200110.135B*	£221.50
200/160	1	904.200160.135B*	£230.84
250/110	10	904.250110.135B*	£372.34
250/160	1	904.250160.135B*	£409.62
250/200	1	904.250200.135B*	£409.62
315/110	1	904.315110.135B*	£651.67
315/160	1	904.315160.135B*	£651.67
315/200	1	904.315200.135B*	£688.86
315/250	1	904.315250.135B*	£688.86
*Welded			
HDPE 60° double Y branch			
50/40	25	906.5040.60B	£13.69
110/110	10	906.110.60B	£35.34
HDPE 135° (45°) double branch			
110/40	10	906.11040.135B	£31.94
110/50	10	906.11050.135B	£36.42
110/110	8	906.110.135B	£40.92
HDPE 92.5° (87.5°) double branch			
110	6	906.110.92B	£55.74
HDPE 88° swept branch			
56/56	40	904.56.92B	£19.06
110/110	18	904.110.92B	£24.25



Branches

Size mm	Pack Qty	Code	Price Each
UNIQUE HDPE 92.5° (87.5°) swept entry bossed branch			
110/110/56	17	904.110.925B	£61.64
UNIQUE HDPE 92.5° (87.5°) single boss branch			
110/56	12	904.11090.12B	£111.82
HDPE 3 way boss branch			
110/56		921.110.56B	£47.41
HDPE 90° 4 way branch			
110/56	8	920.110.56B	£64.16
160/56	15	920.160.56B	£111.68
Note: 920.110.56B has one boss pre-drilled			
UNIQUE HDPE 92.5° (87.5°) corner boss branch			
110	9	906.11090.12B	£139.86
HDPE 92.5° (87.5°) corner boss branch			
110	12	906.11090.92B	£83.78
HDPE 92.5° (87.5°) 3 way corner branch			
110	75	906.11093.92B	£111.82

UNIQUE

Access

	Size mm	Pack Qty	Code	Price Each
HDPE 45° access pipe with screw cap				
	110/110	1	938.110.135B	£64.33
	160/110	1	938.160.135B	£157.54

**UNIQUE**

	Size mm	Pack Qty	Code	Price Each
HDPE 90° access pipe with screw cap				
	50	1	938.50.90B	£43.87
	56	1	938.56.90B	£44.64
	75	1	938.75.90B	£48.37
	110	1	938.110.90B*	£63.95
UNIQUE	160	1	938.160.90B†	£150.69
	200	1	938.200.90B	£260.63
	250	1	938.250.90B	£335.14
	315	1	938.315.90B	£404.78



* For spare door use 9938.110B

† Fitting has 3 buttweld connections



	Size mm	Pack Qty	Code	Price Each
	110	10	9938.110B	£14.61



	Size mm	Pack Qty	Code	Price Each
HDPE screwed end cap				
	40	1	936.40B	£13.11
	50	1	936.50B	£13.36
	56	1	936.56B†	£19.46
	75	1	936.75B	£31.23
	110	1	936.110B*	£32.82
	160	1	936.160B*	£107.73



*Includes bung.

†Note: cap can also be used for the 938.75.90B

	Size mm	Pack Qty	Code	Price Each
	56	10	9936.56B	£12.89
	110	20	9936.110B*	£32.82



*Includes bung.

	Size mm	Pack Qty	Code	Price Each
HDPE short screwed cap				
	110	15	935.110B	£25.39

**Access**

	Size mm	Pack Qty	Code	Price Each
HDPE threaded union				
	50	50	9122.50B	£6.45
	56	10	9122.56B	£6.80
	75	15	9122.75B	£10.74
	110	100	9122.110B	£17.19
HDPE nut				
	50	10	9120.50B	£7.76
	56	10	9120.56B	£8.76
	75	10	9120.75B	£13.95
	110	10	9120.110B	£21.38
HDPE threaded coupling				
	40	40	912.40B	£11.40
	50	40	912.50B	£12.34
	56	25	912.56B	£12.34
	75	20	912.75B	£34.57
	110	15	912.110B	£44.23



Terrain

Vent Cowls

Size mm	Pack Qty	Code	Price Each
HDPE vent cowl			
Spigot outlet.			
75	R 120	950.75B	£15.75
110	R 180	950.110B	£18.48
160	R 65	950.160B	£26.19

Weathering Aprons

Size mm	Pack Qty	Code	Price Each
HDPE weathering apron			
	R 13	931.110.200B	£46.95

Reducers

Size mm	Pack Qty	Code	Price Each
HDPE concentric reducer			
50/40	R 50	924.5040B	£4.91
56/50	R 150	924.5650B	£5.35
75/40	R 50	924.7540B	£6.30
75/50	R 50	924.7550B	£6.30
75/56	R 50	924.7556B	£6.30
110/40	R 30	924.11040B	£9.87
110/50	R 30	924.11050B	£9.87
110/56	R 60	924.11056B	£9.87
110/75	R 30	924.11075B	£9.87
160/110	R 1	924.160110B	£17.53
200/160	R 1	924.200160B	£111.53
HDPE eccentric reducer			
50/40	R 50	923.5040B	£5.79
56/40	R 180	923.5640B	£6.61
56/50	R 30	923.5650B	£6.30
75/40	R 30	923.7540B	£7.64
75/50	R 30	923.7550B	£7.64
75/56	R 45	923.7556B	£7.64
110/40	R 25	923.11040B	£11.18
110/50	R 25	923.11050B	£11.18
110/56	R 25	923.11056B	£11.18
110/75	R 25	923.11075B	£11.18
160/110	R 10	923.160110B	£24.59
HDPE long eccentric reducer			
160/110	R 5	923.160110LB	£133.98
200/110	R 8	923.200110LB	£178.60
200/160	R 1	923.200160LB	£178.60
250/200	R 1	923.250200LB	£290.29
315/200	R 1	923.315200LB	£401.89
315/250	R 1	923.315250LB	£401.89



Blank Ends

Size mm	Pack Qty	Code	Price Each
HDPE blank end			
Butt weld only			
40	R 100	930.40B	£7.89
50	R 250	930.50B	£4.68
56	R 250	930.56B	£4.68
75	R 30	930.75B	£8.35
110	R 40	930.110B	£11.12
160	R 20	930.160B	£44.67
200	R 15	930.200B	£63.28
250	R 1	930.250B	£81.94
315	R 1	930.315B	£93.11
HDPE long blank end			
Butt weld or Electrofusion			
40	120	930.40LB	£7.45
50	90	930.50LB	£6.33
56	60	930.56LB	£6.33
75	30	930.75LB	£14.07
110	36	930.110LB	£15.04
160	16	930.160LB	£60.32
HDPE flange adapter			
50	R 40	980.50B	£33.45
56	R 1	980.56B	£33.45
75	R 1	980.75B	£46.37
110	R 20	980.110B	£51.24
160	R 10	980.160B	£87.53
200	R 4	980.200B	£167.60
250	R 5	980.250B	£290.43
315	R 6	980.315B	£495.22
Flange jointing set			
M16x90 (50-56 flange) 1(4pcs)		984.1650B	£18.67
M16x100 (63-75 flange) 1(4pcs)		984.1663B	£20.90
M16x110 (110-140 flange) 1(6pcs)		984.16110B	£48.41
M20x110 (160 flange) 1(6pcs)		984.20160B	£70.81
M20x130 (200-315 flange) 1(12pcs)		984.20250B	£130.33
Rubber flange seal			
50	R 1	982.50B	£5.55
56	R 1	982.56B	£7.44
75	R 1	982.75B	£11.30
110	R 1	982.110B	£14.88
160	R 1	982.160B	£17.73
200	R 30	982.200B	£21.40
250	R 1	982.250B	£37.20
315	R 1	982.315B	£48.37
Painted aluminium backing ring			
50	R 1	981.50B	£48.29
56	R 1	981.56B	£51.95
75	R 1	981.75B	£63.15
110	R 1	981.110B	£74.30
160	R 1	981.160B	£130.19
200	R 5	981.200B	£186.05
250	R 1	981.250B	£271.67
315	R 1	981.315B	£372.25
Painted aluminium blank flange			
50	R 1	983.50B	£109.81
56	R 1	983.56B	£80.40
75	R 1	983.75B	£84.84
110	R 1	983.110B	£133.98
160	R 1	983.160B	£223.21
200	R 8	983.200B	£290.43
250	R 1	983.250B	£402.13
315	R 1	983.315B	£744.78



HDPE long eccentric reducer

160/110	R 5	923.160110LB	£133.98
200/110	R 8	923.200110LB	£178.60
200/160	R 1	923.200160LB	£178.60
250/200	R 1	923.250200LB	£290.29
315/200	R 1	923.315200LB	£401.89
315/250	R 1	923.315250LB	£401.89

Utilities				
Size mm	Pack Qty	Code	Price Each	
HDPE WC pan connector - white				
110	10	925.110W	£55.68	
HDPE straight WC pan connector with seal and cap				
90/100	10	999.90100.00B	£64.77	
HDPE double WC pan connector with 1 lip seals and caps				
110/110	5	929.110.90DB	£152.21	
HDPE bend for wall hung pan with 1 lip seal and cap, left				
110/110	5	949.110LB	£87.49	
110/90	5	949.11090LB	£87.49	
HDPE bend for wall hung pan with 1 lip seal and cap, right				
110/110	5	949.110RB	£87.49	
110/90	5	949.11090RB	£87.49	
HDPE WC pan connectors				
110/110	5	949.110DB	£223.21	
HDPE connector for wall hung pan with seal & white covering				
110/44	10	925.11044B	£48.58	
HDPE WC bend for hanging pan with seal and cap				
110/110	10	999.110.90B	£76.05	
HDPE trap with seal and cap				
110	5	9631.110.08	£97.17	

Utilities				
Size mm	Pack Qty	Code	Price Each	
HDPE universal trap, vertical inlet and horizontal outlet				
110	4	931.110B	£316.41	
HDPE trap, vertical inlet and horizontal outlet				
40/40	30	931.4040B	£98.94	
40/56	10	931.4056B	£93.94	
50/50	10	931.5050B	£96.27	
50/56	10	931.5056B	£123.61	
HDPE trap - vertical inlet and outlet				
40/40	50	932.4040B	£93.94	
40/50	10	932.4050B	£93.94	
40/56	10	932.4056B	£93.94	
50/50	10	932.5050B	£117.43	
50/56	10	932.5056B	£93.94	
HDPE trap - horizontal inlet and outlet				
40/40	15	945.4040B	£156.57	
40/50	10	945.4050B	£93.94	
50/50	10	945.5050B	£145.73	
HDPE fitting with nut - *brass *plastic				
40mm/1¼"	50	918.40.125BN†	£13.59	
40mm/1½"	50	918.40.15BN†	£18.01	
50mm/1¼"	40	918.50.125BN†	£12.34	
50mm/1½"	40	918.50.15BN†	£17.03	
40mm/1¼"	40	918.40.125PN*	£15.10	
40mm/1½"	40	918.40.15PN*	£11.37	
50mm/1¼"	30	918.50.125PN*	£14.16	
50mm/1½"	80	918.50.15PN*	£15.00	
HDPE extended fitting with nut - *brass *plastic				
40mm/1¼"	20	918.40.125EB†	£20.40	
40mm/1½"	20	918.40.15EBN†	£28.36	
50mm/1¼"	20	918.50.125EBN†	£24.26	
50mm/1½"	20	918.50.15EBN†	£30.36	
40mm/1¼"	20	918.40.125EPN*	£18.44	
40mm/1½"	20	918.40.15EPN*	£25.65	
50mm/1¼"	20	918.50.125EPN*	£21.04	
50mm/1½"	20	918.50.15EPN*	£26.30	

Terrain

Utilities				
	Size mm	Pack Qty	Code	Price Each
HDPE female iron				
	40mm x 1/2"	40	916.40.05B	£61.60
	40mm x 3/4"	20	916.40.075B	£61.60
	40mm x 1"	20	916.40.1B	£61.60
	50mm x 1/2"	20	916.50.05B	£90.65
	50mm x 3/4"	20	916.50.075B	£90.65
	50mm x 1"	20	916.50.1B	£90.65
	50mm x 1 1/4"	30	916.50.125B	£90.65
	50mm x 1 1/2"	50	916.50.15B	£90.65
	56mm x 2"	50	916.56.2B	£110.12
	75mm x 2 1/2"	5	916.75.25B	£104.25
HDPE male iron				
	50mm x 1 1/4"	10	917.50.125B	£90.65
	50mm x 1 1/2"	50	917.50.15B	£90.65
	56mm x 2"	100	917.56.2B	£110.12
	75mm x 2 1/2"	5	917.75.25B	£107.98
HDPE threaded fitting with brass nipple				
	40mm 1/2" x 15	40	936.40.05NB	£71.24
	40mm 1/2" x 18	10	936.40.075NB	£71.24
	50mm 1/2" x 15	5	936.50.05NB	£71.24
	50mm 1/2" x 18	5	936.50.075NB	£71.24
	50mm 1" x 22	5	936.50.1NB	£71.24
HDPE bend with nut - 1brass *plastic				
	40mm 1/2"	20	918.40.125.90BN*	£16.65
	40mm 1/2"	20	918.40.15.90BN*	£17.13
	40mm 1 1/2"	20	918.40.15.90PN*	£11.33
HDPE reducing bend with nut - 1brass *plastic				
	40/50mm 1 1/4"	20	918.4050.125.90BN*	£11.99
	40/50mm 1 1/2"	25	918.4050.15.90BN*	£12.34
	40/50mm 1 1/4"	20	918.4050.125.90PN*	£10.74
	40/50mm 1 1/2"	20	918.4050.15.90PN*	£17.40
HDPE sleeve				
	40/46	50	917.4046B	£4.22
	50/46	50	917.5046B	£4.32
	50/58	50	917.5058B	£4.88
	56/46	50	917.5646B	£4.88
	56/58	50	917.5658B	£4.88

Utilities				
	Size mm	Pack Qty	Code	Price Each
HDPE gasket				
	46/24-32	150	917.4624.908B	£2.93
	46/36-40	150	917.4636.908B	£2.02
	58/36-40	100	917.5836.908B	£4.18
	58/47-50	100	917.5847.908B	£12.71
HDPE spigot bend with cap				
	40/46	40	917.4046.90B	£4.88
	50/46	40	917.5046.90B	£4.88
	50/58	20	917.5058.90B	£5.69
	56/46	20	917.5646.90B	£5.69
	56/58	20	917.5658.90B	£5.69
HDPE protective cap for socket				
	40	40	9130.40B	£1.13
	50	150	9130.50B	£1.13
	56	160	9130.56B	£1.13
	75	30	9130.75B	£1.65
	110	60	9130.110B	£1.60
	160	10	9130.160B	£7.31
	200	5	9130.200B	£3.62
HDPE ring				
	Suitable for 912 HDPE threaded coupling.			
	50	10	9118.50B	£2.27
	56	10	9118.56B	£3.40
	75	10	9118.75B	£3.09
	110	10	9118.110B	£3.74
HDPE ring seal				
	Suitable for 912 HDPE threaded coupling.			
	50	10	9119.50B	£1.42
	56	50	9119.56B	£2.14
	75	10	9119.75B	£3.09
	110	20	9119.110B	£4.28
HDPE 1 lip seal for sockets				
	Suitable for 927 HDPE ring seal adaptors.			
	100	20	927.100.908B	£1.69
	110	20	927.110.908B	£1.62
	160	20	927.160.908B	£2.60
	200	20	927.200.908B	£4.54
	250	1	927.250.908B	£9.08
	315	1	927.315.908B	£12.00

Utilities

Size mm	Pack Qty	Code	Price Each
HDPE O ring for sockets			
40	20	9116.40B	£0.86
50	20	9116.50B	£0.71
75	20	9116.75B	£1.08
110	20	9116.110B	£3.99
160	20	9116.160B	£4.54
HDPE seal for expansion sockets			
Suitable for 911 HDPE expansion joint.			
40	20	911.40.908B	£3.55
50	20	911.50.908B	£1.80
56	20	911.56.908B	£4.59
75	20	911.75.908B	£4.53
110	50	911.110.908B	£6.49
160	10	911.160.908B	£6.17
200	10	911.200.908B	£15.56

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	£6.45
50mm x M10	50	9140.50B	£8.94
56mm x M10	50	9140.56B	£9.14
75mm x M10	25	9140.75B	£9.66
110mm x M10	25	9140.110B	£11.17
160mm x M10	25	9140.160B	£13.27
200mm x M10	25	9140.200B	£48.29
250mm x M10	10	9140.250B	£48.86
315mm x M10	10	9140.315B	£56.96
RECOMMENDED M16 bracket			
200mm x M16	15	9149.200B	£73.63
250mm x M16	2	9149.250B	£73.63
315mm x M16	2	9149.315B	£75.45
Use with 9148.19B for close coupled mounting			



RECOMMENDED

M16 bracket



Acoustic pipe bracket



40	50	9140.40R	£10.01
50	50	9140.50R	£10.69
75	50	9140.75R	£14.88
110	15	9140.110R	£27.98
160	1	9140.160R	£37.49

Mounting plate.



M10	100	9148.10B	£8.47
¾"	50	9148.19B	£23.62

*For close coupled connection to 9149 brackets



Rubber flat seal

40mm x ¼"	10	918.40.908B	£1.49
40mm x ½"	10	918.40.918B	£1.01

ANCHORS AND BRACKETS

Size mm	Pack/Box	Code	Price Each
Threaded bar			
For acoustic brackets			
M10 x 1 metre	1	9147B	£4.88
M16 x 1 metre	1	9149B	£14.89
Anti vibration insert			
For acoustic brackets			
130mm x 30 (58mm-314mm)	1	9105.30B	£341.42

ELECTROFUSION MACHINES

Description	Pack Quantity	Code	Price Each
FUZE electrofusion welding machine 40-315mm			
40 to 315mm			
40 - 160mm (Yellow)	1	9000.40315.110V*	£3,356.21
Note: A different discount structure applies to the electrofusion welding machine.			
Replacement leads			
40 - 160mm (Yellow)	1	AW00-2003	£213.09
200 - 315mm (Blue)	1	AW00-2004	£239.74

UNIVERSAL ELECTROFUSION MACHINE SPARES

Description	Cables	Code	Price Each
40 - 160mm	Yellow	HDC464334	£637.25
200 - 315mm	Blue	HDC464335	£637.25

ACCESSORIES

Description	Pack Quantity	Code	Price Each
HDPE pipe scraper			
10			
		9507T	£90.65
Pipe cutter			
40 to 63mm	1	9500.663T	£382.13
50 to 140mm	1	9500.50140T	£550.53
100 to 160mm	1	9500.100160T	£615.28
180 to 315mm	1	9500.180315T	£3,303.87
HDPE pencils			
1 (12Pcs.)			
		9508T	£150.57
HDPE knife			
1 (12Pcs.)			
		9504T	£414.34
Beveling tool			
40 to 250mm	1	9502.40250T	£748.04
32 to 160mm	1	9502.32160T	£485.73

*For hiring details, please call local TSM.

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Code	Price	Page	Code	Price	Page	Code	Price	Page	Code	Price	Page
FUZE Stax			901.110.1358	£12.22	61	910.1608	£26.56	58	922.56408	£6.61	64
9401.1101.10568	£201.56	57	901.200.1358	£51.70	61	910.2008	£247.68	58	923.56508	£6.30	64
9401.1601.10568	£399.05	57	901.250.1358	£142.59	61	910.2508	£098.42	58	923.75408	£7.64	64
9402.1101.10568	£159.77	57	901.315.1358	£231.95	61	910.3158	£464.38	58	923.75508	£7.64	64
9402.1601.10568	£354.65	57	901.1110.1508	£412.28	61	910.1608	£356.23	58	923.110408	£11.18	64
9403.1101.10568	£195.09	57	901.160.1508	£63.05	61	910.2008	£453.37	58	923.110508	£11.18	64
9403.1601.10568	£417.66	57	901.200.1508	£78.25	61	910.2508	£680.05	58	923.110568	£11.18	64
9404.1101.10568	£183.48	57	901.250.1508	£128.13	61	910.3158	£939.11	58	923.110758	£11.18	64
9404.1601.10568	£351.76	57	901.315.1508	£203.76	61	911.4048	£19.44	58	923.1601108	£24.59	64
9405.1101.10568	£236.23	57	901.110.1658	£40.38	61	911.5058	£19.33	58	923.160110LB	£133.98	64
9405.1601.10568	£416.54	57	901.200.1658	£59.77	61	911.568	£18.52	58	923.200110LB	£178.60	64
9406.1101.10568	£217.25	57	901.250.1658	£72.67	61	911.758	£24.57	58	923.200160LB	£178.60	64
9406.1601.10568	£355.39	57	901.315.1658	£183.04	61	911.1608	£26.32	58	923.250200LB	£290.29	64
9407.1105638	£105.13	57	901.110.928	£67.71	61	911.2008	£71.79	58	923.315200LB	£401.89	64
9407.110658	£105.13	57	904.40.908	£8.76	61	911.2508	£331.39	58	923.315250LB	£401.89	64
9407.110658	£183.48	57	904.40.1358	£128.13	61	911.3158	£459.82	58	924.50408	£4.91	64
9407.160568	£221.34	57	904.40.908	£107.4	61	911.3158	£832.23	58	924.56508	£5.35	64
9407.75568	£74.38	57	904.50.908	£11.12	61	911.40.9088	£3.55	67	924.75408	£6.30	64
9408.1105638	£81.69	57	904.50.1358	£11.12	61	911.50.908	£1.80	67	924.75508	£6.30	64
9408.1106568	£81.69	57	904.56.908	£11.12	61	911.56.908	£4.59	67	924.75568	£6.30	64
9408.160568	£156.82	57	904.56.1358	£105.53	61	911.10.908	£6.49	67	924.110508	£8.87	64
9408.75568	£62.94	57	904.75.908	£13.69	61	911.16.908	£6.17	67	924.110568	£8.87	64
9409.1105638	£160.73	57	904.75.1358	£12.97	61	911.200.9088	£15.56	67	924.110758	£8.87	64
9409.110568	£160.73	57	904.110.908	£0.07	61	911.1108	£190.09	59	924.1601108	£17.53	64
9409.160568	£145.22	57	904.110.928	£24.25	62	911.5.1108	£183.20	59	924.2001608	£111.53	64
9409.75568	£80.10	57	904.110.1358	£22.27	61	911.1608	£356.23	59	925.11010W	£55.68	65
9410.1105638	£139.09	57	904.160.928	£61.64	62	911.2008	£485.73	59	925.110448	£48.58	65
9410.110568	£139.09	57	904.160.1358	£111.68	61	911.2508	£680.05	59	925.1101008	£45.38	59
9410.160568	£246.77	57	904.200.908	£102.74	61	911.3158	£939.11	59	927.408	£7.45	59
9410.75568	£68.65	57	904.200.1358	£221.50	61	912.408	£11.40	63	927.508	£8.87	59
9411.1108	£85.30	58	904.250.908	£313.39	61	912.508	£12.34	63	927.568	£12.02	59
9411.1608	£122.76	58	904.250.1358	£316.54	61	912.568	£12.34	63	927.758	£14.11	59
9411.568	£41.88	58	904.315.908	£585.56	61	912.758	£34.57	63	927.1108	£16.70	59
9411.75568	£84.03	58	904.315.1358	£446.85	61	913.108	£44.23	63	927.2008	£55.83	59
9412.1108	£127.24	57	904.50.908	£1819.22	61	914.0508	£81.60	66	927.2008	£234.13	59
9412.1608	£293.28	57	904.50.1358	£111.12	62	914.10.0758	£5.00	66	927.2508	£404.04	59
9412.568	£71.83	57	904.560.908	£105.53	62	914.60.0508	£80.65	66	927.50158	£558.56	59
9412.75568	£84.96	57	904.750.908	£13.69	61	915.10.0508	£90.65	66	927.710.9008	£1.09	66
9413.1101108	£36.23	58	904.750.1358	£12.97	62	915.60.1258	£90.65	66	927.100.9008	£1.62	66
9413.1601108	£110.53	58	904.750.1358	£12.97	62	915.60.1508	£90.65	66	927.200.9008	£4.54	66
9414.1101108	£51.50	58	904.750.908	£13.69	61	916.56.28	£110.12	66	927.315.008	£12.00	66
9414.1601108	£113.20	58	904.750.908	£13.69	61	916.75.258	£104.25	66	927.40368	£14.56	59
9415.1101108	£43.48	58	904.7556.1368	£12.97	62	917.50.1258	£90.65	66	927.50368	£14.62	59
9415.110568	£34.33	58	904.7556.1368	£12.97	62	917.50.1508	£90.65	66	927.50438	£14.67	59
9415.1107568	£40.05	58	904.11040.1358	£22.27	62	917.56.28	£110.12	66	927.56368	£14.67	59
9415.1601108	£109.70	58	904.11050.908	£20.07	61	917.75.258	£107.98	66	927.56438	£14.71	59
9416.1101108	£42.99	58	904.11050.1358	£22.27	62	917.40468	£4.22	66	927.75.908	£21.34	59
9416.110568	£34.33	58	904.11050.908	£20.07	61	917.4046.908	£4.88	66	927.56.1358	£21.34	59
9416.1107568	£42.34	58	904.11056.1358	£22.27	62	917.4624.908	£2.93	66	929.110.9008	£152.21	65
9416.1601108	£117.27	58	904.11075.908	£20.07	61	917.4636.908	£2.02	66	930.408	£7.89	64
FUZE Pipes			904.11075.1358	£22.27	62	917.5046.908	£4.32	66	930.401.08	£7.45	64
900.40.308	£19.65	58	904.16010.1358	£102.74	62	917.5058.908	£4.88	66	930.501.0508	£6.33	64
900.40.508	£32.91	58	904.16010.908	£111.68	61	917.5058.908	£5.69	66	930.5068	£6.48	64
900.50.508	£23.48	58	904.16010.1358	£102.74	62	917.5646.908	£4.88	66	930.561.0508	£6.33	64
900.50.708	£39.07	58	904.2007.1358	£206.60	62	917.5646.908	£5.69	66	930.7058	£8.35	64
900.56.508	£26.96	58	904.20010.1308	£221.50	61	917.5656.908	£4.88	66	930.751.0508	£14.07	64
900.56.508	£44.83	58	904.20010.1358	£221.50	62	917.5658.908	£5.69	66	930.110.08	£11.12	64
900.75.508	£37.21	58	904.20010.608	£221.50	61	917.5836.908	£4.18	66	930.110LB	£15.04	64
900.75.508	£62.04	58	904.20010.1358	£230.84	62	917.5847.908	£12.71	66	930.160.08	£44.67	64
900.110.508	£66.80	58	904.25010.908	£316.54	61	918.40.1258N	£13.59	65	930.160.160LB	£60.32	64
900.111.29	£111.29	58	904.25010.1358	£317.24	62	918.40.1508N	£18.01	65	930.200.08	£63.28	64
900.160.308	£160.32	58	904.25010.908	£316.54	61	918.40.1258N	£16.65	66	930.250.08	£81.94	64
900.160.508	£267.16	58	904.25010.1358	£409.62	62	918.40.1508N	£17.13	66	930.315.08	£33.11	64
900.200.508	£346.22	58	904.25020.908	£316.54	61	918.40.1258N	£20.40	65	931.110.08	£316.41	65
900.250.508	£555.02	58	904.25020.1358	£409.62	62	918.40.1508N	£28.36	65	931.110.200B	£46.95	64
900.315.508	£865.50	58	904.31510.908	£372.34	61	918.40.1258N	£18.44	65	931.40408	£89.94	65
FUZE Fittings			904.31510.1358	£615.67	62	918.40.1508N	£25.65	65	931.40568	£93.94	65
901.04.928	£4.40	61	904.31520.1358	£372.34	61	918.40.1508N	£15.11	65	931.50568	£91.27	65
901.50.928	£5.93	61	904.31520.1358	£688.88	62	918.40.908	£1.49	68	932.40508	£93.94	65
901.56.928	£5.75	61	904.31520.1358	£372.34	61	918.40.9168	£1.01	68	932.40568	£93.94	65
901.75.928	£10.76	61	904.31520.908	£688.88	62	918.40.908	£1.01	68	932.40568	£93.94	65
901.110.928	£15.97	61	904.31520.1358	£688.88	62	918.40.908	£11.99	66	932.50508	£117.43	65
901.160.928	£66.99	61	906.110.608	£35.32	62	918.40.908	£15.98	66	932.50508	£117.43	65
907.200.908	£245.35	61	906.110.608	£35.32	62	918.40.908	£12.34	66	932.50508	£117.43	65
907.250.908	£409.62	61	906.5040.608	£40.02	62	918.40.908	£10.74	66	932.50508	£25.39	63
907.315.908	£595.82	61	906.5040.608	£13.69	62	918.40.908	£17.40	66	936.40.608	£13.11	63
902.56.908	£6.99	61	906.11040.1358	£319.84	62	918.50.1508N	£12.34	66	936.40.608N	£71.24	66
902.110.908	£22.68	61	906.11050.1358	£296.42	62	918.50.1508N	£10.09	66	936.50.508	£13.36	63
902.110.112	£83.85	61	906.110.908	£310.29	61	918.50.1258N	£22.46	66	938.50.506NB	£71.24	66
901.160.112	£130.01	61	906.11090.128	£139.86	62	918.50.1258N	£21.04	66	938.50.075NB	£71.24	66
901.200.112	£149.11	61	906.11090.928	£352.54	62	918.50.1508N	£26.30	66	938.50.1N8	£71.24	66
901.250.112	£244.51	61	906.11032.928	£111.82	62	918.50.1508N	£15.00	66	938.56.568	£19.46	63
901.315.112	£422.40	61	910.408	£6.91	58	918.50.1258N	£14.16	66	938.75.758	£21.23	63
901.40.1358	£4.40	61	910.508	£9.90	58	918.50.1258N	£16.46	66	938.110.608	£107.73	63
901.50.1358	£4.43	61	910.568	£25.0	58	9					

Terrain

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938.110.908	£63.95	63	9140.408	£6.45	68
938.110.1358	£64.33	63	9140.40R	£10.01	68
938.160.908	£150.69	63	9140.508	£2.94	68
938.160.1358	£157.54	63	9140.50R	£10.69	68
938.200.908	£260.63	63	9140.568	£9.14	68
938.250.908	£335.14	63	9140.758	£9.66	68
938.315.908	£404.78	63	9140.75R	£14.88	68
945.40408	£156.57	65	9140.1108	£11.17	68
945.40508	£93.94	65	9140.110R	£27.98	68
945.50508	£145.73	65	9140.1608	£13.27	68
949.110DB	£223.21	65	9140.160R	£37.49	68
949.110LB	£87.49	65	9140.2008	£48.29	68
949.110RB	£87.49	65	9140.2508	£48.86	68
949.11090LB	£87.49	65	9140.3158	£65.96	68
949.11090RB	£87.49	65	9147B	£4.88	68
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950.1108	£18.48	64	9148.198	£23.62	68
950.1608	£26.19	64	9149B	£14.89	68
980.508	£33.45	64	9149.2008	£73.63	68
980.568	£33.45	64	9149.2508	£73.63	68
980.758	£46.37	64	9149.3158	£75.45	68
980.1108	£51.24	64	9500.663T	£382.13	68
980.1608	£87.53	64	9500.50140T	£550.53	68
980.2008	£167.60	64	9500.100160T	£615.28	68
980.2508	£290.43	64	9500.180315T	£3,303.87	68
980.3158	£495.22	64	9502.40250T	£748.04	68
981.508	£48.29	64	9502.32160T	£485.73	68
981.568	£51.95	64	9504T	£414.34	68
981.758	£63.15	64	9507T	£90.65	68
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981.1608	£130.19	64	9631.110.0B	£97.17	65
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982.2008	£21.40	64			
982.2508	£37.20	64			
982.3158	£48.37	64			
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983.1608	£223.21	64			
983.2008	£290.43	64			
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999.110.908	£76.05	65			
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9105.308	£341.42	68			
9110.1108	£44.97	59			
9110.1608	£56.12	59			
9110.110C	£54.62	59			
9110.160C	£102.06	59			
9116.408	£0.86	67			
9116.508	£0.71	67			
9116.758	£1.08	67			
9116.1108	£3.99	67			
9116.1608	£4.54	67			
9118.508	£2.27	66			
9118.568	£3.40	66			
9118.758	£3.09	66			
9118.1108	£3.74	66			
9119.508	£1.42	66			
9119.568	£2.14	66			
9119.758	£3.09	66			
9119.1108	£4.28	66			
9120.508	£7.76	63			
9120.568	£9.76	63			
9120.758	£13.95	63			
9120.1108	£9.38	63			
9122.508	£9.45	63			
9122.568	£8.80	63			
9122.758	£10.74	63			
9122.1108	£17.19	63			
9130.408	£1.13	66			
9130.508	£1.13	66			
9130.568	£1.13	66			
9130.758	£1.65	66			
9130.1108	£1.60	66			
9130.1608	£7.31	66			



POLYPIPE
ADVANTAGE

OFF-SITE
PRE-FABRICATION

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.**

To find out more, scan QR code or visit www.polypipebuildingservices.com



Off-site prefabrication delivers off-the-scale results.



Sky Gardens is one of a number of exciting buildings which are re-shaping Leeds and creating new high-value neighbourhoods.

The project is transforming a 0.93-acre brownfield site, including a Grade II-listed former mill, into a vibrant residential development.

The 34-storey tower provides 284 1, 2 and 3-bedroom apartments with a lounge and gymnasium at level 30 offering panoramic views across Leeds.

Integration and prefabrication deliver massive time and cost savings.

Working closely with Briggs & Forrester, Polypipe Building Services has designed and fabricated systems which not only enhance the building's performance but also streamlined project implementation and created commercial value for both the contractor and developer.

The drainage system is prefabricated from Terrain FUZE and incorporates Polypipe's PAPA and Pleura AAV valves to balance pressures without the need for a secondary ventilation stack.

Sky Gardens uses both of Polypipe's water supply ranges. MecFlow Fusion provides the risers and manifolds for the boosted cold system, while MecFlow Press was used for the runouts and branches to the apartments.

The water supply system also uses prefabricated plant room modules - made from MecFlow Fusion.

The prefabricated approach used at Sky Gardens delivered some dramatic results.

The bespoke Terrain FUZE drainage system enabled risers that would normally take 73 hours to install - to be installed in just nine!

The modular plantroom also provided a dramatic demonstration of the benefits of prefabrication. A conventional plantroom would need 215 on-site operations. The prefabricated module used at Sky Gardens consists of 13 sections and was assembled with 10 electrofusion couplings - a 93.5% reduction in on-site processes.

Prefabrication suited the urban site as system units could be called-up on a floor-by floor basis and craned direct from delivery vehicles to the installation point.

Gavin Robinson, National Business Development Manager at PBS for Added Value Solutions, sums up what Polypipe and Briggs & Forrester are achieving at Sky Gardens.

"Sky Gardens was a great chance to show how prefabrication and innovation can add value.

"When you use an approach that routinely reduces drainage riser install time by over 80% and creates a plant room set up that only requires 10 electrofusion couplings, you know you're making a significant difference to a project."

Chris Johnson, Mechanical engineer at Briggs & Forrester Living, comments:

"It's a very different way of doing things. Prefabricated sections lifted straight from the lorry to where they'll be installed, plant rooms assembled with just a few connectors. No waste, no onsite storage, no hot works. It has to be the way forward and it's all made possible by close cooperation between us and the manufacturer at a very early stage."



CASE STUDY

Project

Sky Gardens, Leeds – drainage and water supply systems

Client

Briggs & Forrester Living

Application

Drainage – soil and waste, water supply – boosted cold, heating, hot and cold plumbing.

Products

Terrain FUZE, Terrain PAPA, MecFlow Fusion and MecFlow Press

Terrain P.A.P.A. & Pleura

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.

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

Size mm	Pack/Box	Code	Price Each
Terrain P.A.P.A. Valve			
75-110 ߃	1	9300.4	£1,037.81
			
Terrain Pleura 100 Valve			
75-110 ߃	1	9301.34	£211.78
			
Terrain Pleura 50 Valve			
32-63 ߃	1	9301.253	£92.16
			

- 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 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.

* ® P.A.P.A. is a registered trademark owned by Akatherm BV, part of the Aliaxis Group

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 of 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.



Terrain



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 acoustic drainage systems. Its multi-layered construction provides UV, impact and fire resistance, with a fire classification of B-s1, d0*.

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 Applications

- 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 acoustic drainage and noise reducing project requirements.

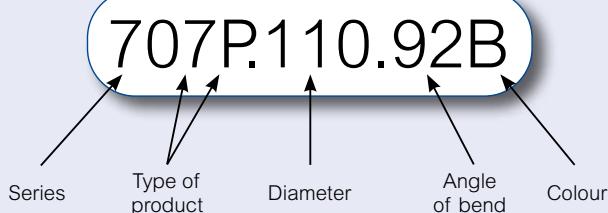
Terrain Q has a wide range of pipe and unique fittings, from 40mm to 200mm diameter, making it an ideal solution for the installation of a complete drainage system.

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.

A Guide to the Terrain Q Drainage Product Coding System



Above Ground Drainage

Series

700P = PP TERRAIN Q

Diameter

40 = 40mm O/D waste

50 = 50mm O/D waste

56 = 56mm O/D waste

75 = 75mm O/D waste

110 = 110mm O/D soil

160 = 160mm O/D soil

200 = 200mm O/D soil

Type of Product

700P = Pipe

701P = Bend (Double Socket)

704P = Branch

706P = Double Branch

711P = Couplings

738P = Access Fittings

Colour

B – Blue – RAL 5001

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

Pipes

Size mm	Pack Qty	Code	Price Each
Single socket pipe			
40 (3m)	30	700P.40.30B	£38.74
50 (3m)	30	700P.50.30B	£35.37
75 (3m)	30	700P.75.30B	£57.82
110 (3m)	15	700P.110.30B	£100.26
160 (3m)	10	700P.160.30B	£211.61
200 (3m)	10	700P.200.30B	£405.43

Fittings

Size mm	Pack Qty	Code	Price Each
Bend 15°			
110	12	707P.110.165B	£38.49

Bend 30°

Size mm	Pack Qty	Code	Price Each
110	30	707P.110.150B	£40.40

Bend 45°

Size mm	Pack Qty	Code	Price Each
40	50	707P.40.135B	£7.77
50	70	707P.50.135B	£10.08
75	16	707P.75.135B	£17.52
110	16	707P.110.135B	£42.89
160	6	707P.160.135B	£89.05
200	2	707P.200.135B	£390.75

Bend 87°

Size mm	Pack Qty	Code	Price Each
40	110	707P.40.92B	£7.77
50	70	707P.50.92B	£10.08
75	20	707P.75.92B	£17.52
110	20	707P.110.92B	£45.06
160	3	707P.160.92B	£94.94
200	1	707P.200.92B	£455.92

Double Socket Bend 45°

Size mm	Pack Qty	Code	Price Each
110	16	701P.110.135B	£56.18

Double Socket

Size mm	Pack Qty	Code	Price Each
110	20	701P.110.92B	£58.07

Double Socket

Fittings

Size mm	Pack Qty	Code	Price Each
Branch 45°			
40	25	704P.40.135B	£17.81
50	30	704P.50.135B	£21.64
75	15	704P.75.135B	£62.46
110	10	704P.110.135B	£73.23
160	3	704P.160.135B	£197.95
200	1	704P.200.135B	£675.45

Branch 87°

Size mm	Pack Qty	Code	Price Each
40	30	704P.40.92B	£17.05
50	40	704P.50.92B	£20.06
75	15	704P.75.92B	£62.46
110	12	704P.110.92B	£132.04
160	3	704P.160.92B	£316.48
200	1	704P.200.92B	£718.86

Reducing branch 45°

Size mm	Pack Qty	Code	Price Each
50/40	20	704P.5040.135B	£21.64
75/50	20	704P.7550.135B	£62.46
110/50	20	704P.11050.135B	£48.35
110/75	10	704P.11075.135B	£73.23
160/110	3	704P.160110.135B	£143.42
200/160	1	704P.200160.135B	£487.26

Reducing branch 87°

Size mm	Pack Qty	Code	Price Each
110/50	20	704P.11050.92B	£48.35
110/75	10	704P.11075.92B	£132.04
160/110	3	704P.160110.92B	£253.20

Fully socketed branch 45°

Size mm	Pack Qty	Code	Price Each
110	10	704E.110.135B	£83.75

Double branch 45°

Size mm	Pack Qty	Code	Price Each
110	2	706P.110.135B	£143.31

Double branch 87°

Size mm	Pack Qty	Code	Price Each
110	2	706P.110.90B	£275.78

Fittings			
Size mm	Pack Qty	Code	Price Each



Eccentric reducer

50/40	50	723P.5040B	£9.66
75/50	20	723P.7550B	£34.41
110/50	24	723P.11050B	£45.54
110/75	20	723P.11075B	£49.18
160/110	24	723P.160110B	£52.84
200/160	5	723P.200160B	£453.55

PVC Fittings			
Size mm	Pack Qty	Code	Price Each



Double equal branch

110	2	706P.104.92B	£245.04
Can be solvent welded.			

For use with Terrain 117 boss adaptors on page 36.



Single branch

110	8	704P.104.92B	£132.04
Can be solvent welded.			

For use with Terrain 117 boss adaptors on page 36.



Four way boss

110	15	720P.412.2B	£53.85
Can be solvent welded.			

For use with Terrain 117 boss adaptors on page 36.



Corner boss branch

110	6	706P.490.12B	£483.25
Can be solvent welded.			



Universal soil manifold

110	5	719P.412.15B	£127.22
Can be solvent welded.			



Adaptors

Converts PushFit Q Range to Solvent PVC			
40mm to 1.5 Inch	50	6789/DWV	£11.04
50mm to 2 Inch	75	6790/DWV	£10.93

Can be solvent welded.



Brackets

Size mm	Pack Qty	Code	Price Each
Acoustic brackets			



40	M10	50	9140.40R	£10.01
50	M10	50	9140.50R	£10.69
75	M10	50	9140.75R	£14.88
110	M10	15	9140.110R	£27.98
160	M10	1	9140.160R	£37.49

Please see page 65 for threaded rod and backing plate.

Index			
Code	Pack Qty	Price	Page

Terrain Q Pipes

700P40.30B	30	£38.74	77
700P50.30B	30	£35.37	77
700P75.30B	30	£57.82	77
700P110.30B	15	£100.26	77
700P160.30B	10	£211.61	77
700P200.30B	10	£405.43	77

Terrain Q Fittings

701P110.92B	20	£58.07	77
701P110.135B	16	£66.18	77
704E110.135B	10	£83.75	77
704P40.135B	25	£17.81	77
704P40.92B	30	£17.05	77
704P50.135B	30	£21.64	77
704P50.92B	40	£20.06	77
704P75.92B	15	£62.46	77
704P75.135B	15	£62.46	77
704R104.92B	8	£132.04	78
704R110.135B	10	£73.23	77
704R110.92B	15	£132.04	77
704R160.135B	3	£197.95	77
704R160.92B	3	£316.48	77
704R200.135B	1	£675.45	77
704R200.92B	1	£718.86	77
704P5040.135B	20	£21.64	77
704P7550.135B	20	£62.46	77
704P11050.135B	20	£48.35	77
704P11050.92B	20	£48.35	77
704R11075.135B	10	£73.23	77
704R11075.92B	20	£132.04	77
704R160110.92B	3	£253.20	77
704R160110.135B	3	£143.42	77
704R200160.135B	1	£487.26	77
706P104.92B	2	£245.04	77
706P110.135B	2	£143.31	77
706P110.90B	2	£275.77	77
706P490.12B	6	£483.25	78
707P40.92B	10	£7.77	77
707P40.135B	50	£7.77	77
707P50.92B	70	£10.08	77
707P50.135B	70	£10.08	77
707P75.92B	20	£17.52	77
707P75.135B	16	£17.52	77
707P110.92B	20	£45.06	77
707P110.135B	16	£42.89	77
707P110.150B	12	£40.40	77
707P110.165B	12	£38.49	77
707P160.135B	6	£89.05	77
707P160.92B	3	£94.94	77
707P200.92B	1	£455.92	77
707P200.135B	2	£390.75	77
710P40B	50	£11.28	78
710P50B	50	£12.02	78
710P75B	50	£18.85	78
710P110B	48	£39.60	78
710P160B	10	£73.55	78
710P200B	2	£546.62	78
711P50B	30	£17.19	78
711P110B	12	£20.62	78
711P540B	50	£11.27	78
711P550B	50	£12.78	78
711P575B	30	£18.85	78
711P5110B	20	£27.20	78
711P5160B	2	£76.57	78
711P5200B	5	£308.44	78
720P412.28	15	£53.85	78

Index			
Code	Pack Qty	Price	Page

719P412.15B	5	£127.22	78
723P5040B	50	£9.66	78
723P7550B	20	£34.41	78
723P11050B	24	£45.54	78
723P11075B	20	£49.18	78
723P160110B	24	£52.84	78
723P200160B	5	£453.55	78
724P5550B	30	£14.41	78
724P11050B	30	£14.82	78
724P11075B	30	£20.94	78
730P40B	25	£7.77	78
730P50B	25	£11.70	78
730P75B	50	£34.27	78
730P110B	40	£26.25	78
730P160B	40	£92.96	78
730P200B	20	£387.16	78
738P50.90B	16	£28.27	78
738P75.90B	10	£48.80	78
738P110.90B	13	£90.71	78
738P160.90B	6	£206.49	78
738P200.90B	2	£762.02	78
678P40W	50	£11.04	78
679P40W	75	£10.93	78
9140.40R	50	£10.01	78
9140.50R	50	£10.69	78
9140.75R	50	£14.88	78
9140.110R	15	£27.98	78
9140.160R	1	£37.49	78

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 prefabricated off-site, reducing costs by as much as 30%, installation times by up to 60% and on-site fabrication waste by as much as 100%. Fully customised systems, quality assured and pre-tested, delivered to site - ready for immediate installation. **Join the Advantage Rebellion and change to a better system.**



To find out more, scan QR code or visit www.polypipebuildingservices.com



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.

Terrain

Pipe						
Size	mm	Angle	Col	Pack/Box	Code	Price Each
Pipe plain ended						
82	(5.8m)		T	1/88	3DP58	£297.98
110	(5.8m)	⌚	T	1/67	4DP58X	£312.68
160	(5.8m)	⌚	T	1/33	6DP58X	£644.50

Fittings						
Size	mm	Angle	Col	Pack/Box	Code	Price Each
Coupler double socket						
With central stop.						
82			T	10/60	3D20D	£60.47
110		⌚	T	5/48	4D20D	£28.80
160		⌚	T	5/15	6D20D	£79.45
Slip coupler						
For inserting new fittings into existing pipework. (e.g. refurbishment or repair).						
No central stop.						
110			T	5/45	4D20DSC	£43.04
Pipe end socket						
110		⌚	T	5/40	4D69	£48.65
Short radius bend double socket						
To change pipe direction: 87½°, 45°, 30° and 15° as standard.						
82	87½		T	1/15	3D23D	£86.91
82	45		T	5/20	3D25D	£83.03
110	87½	⌚	T	5/18	4D23D	£87.37
110	45	⌚	T	5/26	4D25D	£89.27
160	87½	⌚	T	1/6	6D23D	£207.52
160	45	⌚	T	1/8	6D25D	£207.52
Rest bend double socket						
To change 110mm pipe direction at base of soil stack: 87½° as standard.						
110			T	3/9	4D21D	£142.77

Fittings						
Size	mm	Angle	Col	Pack/Box	Code	Price Each
Variable bend single socket						
110		0-25	⌚	T	5/25	4DV40
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	£52.03
160		⌚	T	1/30	6D68	£100.69
Access cap						
To allow full bore access to 82mm, 110mm or 160mm pipework for inspection or rodding.						
82			T	5/40	3D64	£5.20
110		⌚	T	5/50	4D64	£100.37
160		⌚	T	1/15	6D64	£162.54
110			T	1/40	4D63	£84.91
160			T	1/35	6D63	£151.19
Rodding eye						
Material: Aluminium. Elliptical rodding eye with 110mm pipe size spigot. Access aperture size: 118x90mm.						
110			Self	5/25	4DRE	£241.48
Single equal junction						
To join 82mm branch pipe to 82mm main pipe at an angle: 45° as standard.						
82		45	T	1/20	3D33D	£124.64
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	£123.64
160	87½	⌚	T	4	6D30D	£346.32
110	45	⌚	T	12	4D33D	£123.64
160	45	⌚	T	3	6D33D	£346.32

Fittings

Size mm	Angle	Col	Pack/Box	Code	Price Each
Single unequal junction - all socket					
160/110	45	♀	T	5	64D33D
To join 110mm branch pipe to 160mm main pipe at an angle: 45° and 87½° as standard.					
					£309.34
Gully trap					
Material: Polypropylene					
To obtain 'P' trap, add 45° bend.					
110		T	4/12	4DG90	£103.77
'P' trap					
Material: PVCu					
To obtain 'Q' or 'S' trap, add 45° or 87½° bend.					
110		T	4/8	4DG91	£188.04
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	£90.52
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	£164.47
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	£262.78

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	£294.16
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	£342.91
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	£137.79
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	£63.32
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	£179.17
Square hopper head grid					
Material: Polypropylene. Spare grid for 4DG92 Hopper Head.					
155		B	1/100	4DG92G	£19.18
Material: Polypropylene. Spare grid for 4DG89 Hopper Head					
232		B	1/15	4DG89G	£28.61
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	£84.85

Terrain

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		£316.21
Sealed cover and frame						
To cap 4DI600 Shallow Inspection Chamber. Ring seal joint to shaft						
200		B	4/12	4DIFC1		£247.29
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	£511.73
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	£563.65
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	£207.73
Seal ring						
Suitable for 4DI215R.						
∅		B	1	4DI215S		£49.19

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	£59.40
160/110		∅	T	4/24	64DT	£112.94
Universal waste adaptor						
Material: EPDM. For connecting 32mm, 40mm or 50mm waste pipe to 110mm underground drain pipe.						
110			B	5/60	4DW200	£61.22
Adaptor to above ground drain						
Material: Flex PVC. For connecting 82mm underground drain. External only.						
82/68			B	5/60	3DW25	£64.97
110/68			B	5/50	4DW25	£61.22
110/82			B	5/50	4DW3	£62.57
Material: Flex PVC. For connecting 62mm square downpipes to underground drainage system. For square downpipe.						
Material: Flex PVC. For connecting 62mm square downpipes to underground drainage system. For square downpipe.						
110/62			B	5/50	4DW23	£62.57
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	£80.86
Lubricant						
Material: Silicone grease Soluble lubricant. For lubricating seal rings on expansion fittings.						
250ml			Tub (silicone)	10/40	9136.250L	£122.45
500ml			Tub (soluble)	10/20	9136.500L	£25.29

Index			
Code	Pack Qty	Price	Page
Pipe and Fittings			
3D20D	10/60	£60.47	82
3D23D	1/15	£86.91	82
3D25D	5/20	£83.03	82
3D33D	1/20	£124.64	82
3D64	5/40	£5.20	82
3DP58	1/88	£297.98	82
4D20D	5/48	£28.80	82
4D20DSC	5/45	£43.04	82
4D21D	3/9	£142.77	82
4D23D	5/18	£87.37	82
4D25D	5/26	£89.27	82
4D30D	12	£123.64	82
4D33D	12	£123.64	82
4D63	1/40	£84.91	82
4D64	5/50	£100.37	82
4D68	6/54	£52.03	82
4D69	5/40	£48.65	82
4DG80	2/4	£262.78	83
4DG89	4	£342.91	83
4DG90	4/12	£103.77	83
4DG91	4/8	£188.04	83
4DG92	5/15	£90.52	83
4DG93	4/12	£164.47	83
4DG97	4	£294.16	83
4DP58X	1/67	£312.68	82
4DR6	5/25	£241.48	82
4DV40	5/25	£121.72	82
64D33D	5	£309.34	83
6D20D	5/15	£79.45	82
6D23D	1/6	£207.52	82
6D25D	1/8	£207.52	82
6D30D	4	£346.32	82
6D33D	3	£346.32	82
6D63	1/35	£151.19	82
6D64	1/15	£162.54	82
6D68	1/30	£100.69	82
6DP58X	1/33	£644.50	82
Gullies & Hoppers			
4DG82	1/30	£137.79	83
4DG83	1/30	£63.32	83
4DG96G	1/15	£28.61	83
4DG92G	1/100	£19.18	83
4DG92GS	1/100	£84.85	83
4DG96	3	£179.17	83
Inspection Chambers			
4D1215R	1	£207.73	84
4D1215S	1	£49.19	84
4D1240B	1	£511.73	84
4D1600	2	£316.21	84
4D1FC1	4/12	£247.29	84
64D1240B	1	£563.65	84
Reducers & Adaptors			
43DT	2/30	£59.40	84
64DT	4/24	£112.94	84
4DW200	5/60	£61.22	84
3DW25	5/60	£64.97	84
4DE25	5/60	£61.22	84
4DW3	5/60	£62.57	84
4DW23	5/60	£62.57	84
4D73	1/36	£80.96	84
9136.250L	10/40	£122.45	84
9136.500L	10/20	£25.29	84

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

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)

Standards & Certification



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

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.

Standards & Certification

MECFLOW

PRESS

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, 2004/1/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.

Certification can be found here: www.polypipebuildingservices.com/technicalhub

Standards & Certification



Polypipe Advantage

From design and planning to ordering, delivery, technical support and customer service, Polypipe Advantage provides everything you need to plan and implement your project.

You'll have access to our team of dedicated Project Managers, who will work with you to create an exact delivery schedule.

From time and cost-savings to sustainability and enhanced health & safety on site, there are a number of ways that the Polypipe Advantage service can benefit your project. These particular benefits are now more important than ever. 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 and MecFlow 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.polypipebuildingservices.com

www.polypipebuildingservices.com/solutions/advantage-prefabrication

Terms & Conditions

1. Interpretation

The following definitions and rules of interpretation apply in these Conditions.

1.1. Definitions:

1. **Business Day:** a day other than a Saturday, Sunday or public holiday in England, when banks in London are open for business.
2. **Conditions:** these terms and conditions as amended from time to time in accordance with clause 19.8.
3. **Contract:** the contract between the Supplier and the Customer for the supply of Goods or Services or Goods and Services in accordance with these Conditions.
4. **control:** has the meaning given in section 1124 of the Corporation Tax Act 2010, and the expression change of control shall be interpreted accordingly.
5. **Customer:** the person or firm who purchases the Goods or Services or Goods and Services from the Supplier.
6. **Deliverables:** the deliverables set out in the Order produced by the Supplier for the Customer.
7. **Goods:** the goods (or any part of them) set out in the Order.
8. **Goods Specification:** any specification for the Goods, including any relevant plans or drawings, issued by the Supplier from time to time.
9. **Intellectual Property Rights:** patents, utility models, rights to inventions, copyright and neighbouring and related rights, moral rights, trade marks and service marks, business names and domain names, rights in get-up and trade dress, goodwill and the right to sue for passing off or unfair competition, rights in designs, rights in computer software, database rights, rights to use, and protect the confidentiality of, confidential information (including know-how and trade secrets), and all other intellectual property rights, in each case whether registered or unregistered and including all applications and rights to apply for and be granted, renewals or extensions of, and rights to claim priority from, such rights and all similar or equivalent rights or forms of protection which subsist now or in the future in any part of the world.
10. **Order:** the Customer's order for the supply of Goods or Services or Goods and Services.
11. **Polypipe Group of Companies:** any subsidiary of Polypipe Limited, or any subsidiary of any subsidiary of Polypipe Limited.
12. **Services:** the services, including the Deliverables, supplied by the Supplier to the Customer as set out in the Service Specification.
13. **Service Specification:** the description or specification for the Services provided in writing by the Supplier to the Customer.
14. **Supplier:** Polypipe Limited trading as Polypipe Building Services registered in England and Wales with company number 01099323.

1.2. Interpretation:

- (a) A **person** includes a natural person, corporate or unincorporated body (whether or not having separate legal personality).
- (b) A reference to a party includes its personal representatives, successors and permitted assigns.
- (c) A reference to legislation or a legislative provision is a reference to it as amended or re-enacted. A reference to legislation or a legislative provision includes all subordinate legislation made under that legislation or legislative provision.
- (d) Any words following the terms including, include, in particular, for example or any similar expression shall be interpreted as illustrative and shall not limit the sense of the words preceding those terms.
- (e) A reference to writing or written excludes fax but not email.

2. Basis of contract

- 2.1. Unless otherwise specifically agreed in writing by the Supplier, these Conditions shall apply to the provision of all Goods and/or Services to the Customer.
- 2.2. The Order constitutes an offer by the Customer to purchase Goods or Services or Goods and Services in accordance with these Conditions.
- 2.3. If a quotation has been provided the quotation shall not constitute an offer and shall only be valid for the period of time stated on the quotation or, in the absence of any stated validity period, shall be valid for a period of 28 days from the quotation date.
- 2.4. The Order shall only be deemed to be accepted on the sooner of:
 - (a) the Supplier communicating a formal acceptance of the Order; or
 - (b) the Supplier despatching any Goods forming part, or all, of the Order; or
 - (c) the Supplier commencing any Services forming part, or all, of the Order; at which point and on which date the Contract shall come into existence (Commencement Date). For the avoidance of all doubt, the Supplier shall be under

no obligation to accept any Order.

- 2.5. Once an Order has been accepted, and the Contract formed, the Customer shall not be entitled to amend or cancel the Order without the prior written consent of the Supplier. If such consent is granted the Customer shall be liable to the Supplier for the Supplier's costs incurred as a direct result of any such amendment or cancellation.
- 2.6. Any samples, drawings, descriptive matter or advertising issued by the Supplier and any descriptions of the Goods or illustrations or descriptions of the Services contained in the Supplier's catalogues or brochures are issued or published for the sole purpose of giving an approximate idea of the Goods and Services described in them. They shall not form part of the Contract nor have any contractual force.
- 2.7. These Conditions apply to the Contract to the exclusion of any other terms that the Customer seeks to impose or incorporate, in any form, or which are implied by law, trade custom, practice or course of dealing.
- 2.8. The Customer waives any right it might otherwise have to rely on any term endorsed upon, delivered with or contained in any documents of the Customer that is inconsistent with these Conditions.

3. Goods

- 3.1. The Goods are described in the Goods Specification.
- 3.2. To the extent that any of the Goods are to be manufactured in accordance with a specification supplied by the Customer, the Customer shall indemnify the Supplier against all liabilities, costs, expenses, damages and losses (including any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal costs (calculated on a full indemnity basis) and all other professional costs and expenses) suffered or incurred by the Supplier arising out of or in connection with any claim made against the Supplier for actual or alleged infringement of a third party's Intellectual Property Rights arising out of or in connection with the Supplier's use of the Goods Specification. This clause 3.2 shall survive termination of the Contract.
- 3.3. The Supplier reserves the right to amend the Goods Specification:
 - (a) Without notice to the Customer if the amendments do not result in any reduction in functionality of the Goods, or that in the reasonable opinion of the Supplier is non-material;
 - (b) By giving the Customer not less than 2 weeks' notice if the amendments are material in nature, or will result in any reduction in functionality of the Goods; or
 - (c) On written notice to the Customer if required by any applicable statutory or regulatory requirement.

4. Delivery of Goods

- 4.1. The Supplier shall ensure that:
 - (a) each delivery of the Goods is accompanied by a delivery note which shows the date of the Order, all relevant Customer and Supplier reference numbers, the type and quantity of the Goods (including the code number of the Goods, where applicable), special storage instructions (if any) and, if the Order is being delivered by instalments, the outstanding balance of Goods remaining to be delivered; and
 - (b) if the Supplier requires the Customer to return any packaging materials to the Supplier, that fact is clearly stated on the delivery note. The Customer shall make any such packaging materials available for collection at such times as the Supplier shall reasonably request. Returns of packaging materials shall be at the Supplier's expense.
- 4.2. Delivery of the Goods shall be completed as per the Order or, in the absence of any specific delivery terms in the Order, shall be completed EXW Incoterms®2020.
- 4.3. Delivery of the Goods shall be completed on the completion of unloading, or where appropriate, loading of the Goods at the Delivery Location.
- 4.4. Any dates quoted for delivery of the Goods are approximate only, and the time of delivery is not of the essence. The Supplier shall not be liable for any delay in delivery of the Goods that is caused by a Force Majeure Event or the Customer's failure to provide the Supplier with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.
- 4.5. If the Supplier fails to deliver the Goods, its liability shall be limited to the costs and expenses incurred by the Customer in obtaining replacement goods of similar description and quality in the cheapest market available, less the price of the Goods. The Supplier shall have no liability for any failure to deliver the Goods to the extent that such failure is caused by a Force Majeure Event or the Customer's failure to provide the Supplier with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.
- 4.6. If the Customer fails to take, or accept, delivery of the Goods within three Business Days of the Supplier notifying the Customer that the Goods are ready,

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then except where such failure or delay is caused by a Force Majeure Event or by the Supplier's failure to comply with its obligations under the Contract in respect of the Goods:

- (a) delivery of the Goods shall be deemed to have been completed at 9.00 am on the third Business Day following the day on which the Supplier notified the Customer that the Goods were ready; and
- (b) the Supplier shall store the Goods until actual delivery takes place, and charge the Customer for all related costs and expenses (including insurance).

4.7. If ten Business Days after the day on which the Supplier notified the Customer that the Goods were ready for delivery the Customer has not taken, or accepted, actual delivery of them, the Supplier may resell or otherwise dispose of part or all of the Goods and, after deducting reasonable storage and selling costs, account to the Customer for any excess over the price of the Goods or charge the Customer for any shortfall below the price of the Goods.

4.8. Once delivery has been completed in accordance with the Contract the Supplier shall, save for as detailed elsewhere in these Conditions, have no obligation to accept any returns of any Goods delivered. Should the Customer wish to return any Goods, without cause, acceptance of any such returns shall be at the Supplier's sole discretion and shall be subject to:

- (a) a restocking fee, on a per item basis, determined by the Supplier at the time. The restocking fee shall not amount to more than 25% (excluding VAT) of the total price of the Goods returned; and
- (b) a charge equaling the value of any depreciation in the returned Goods attributable to any damage, or wear and tear, caused to the Goods whilst at the Customer's risk.

4.9. The Supplier may deliver the Goods by instalments, which shall be invoiced and paid for separately. Each instalment shall constitute a separate contract. Any delay in delivery or defect in an instalment shall not entitle the Customer to cancel any other instalment.

5. Delivery Inspections

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

- (a) unpacks and inspects the Goods as soon as reasonably practicable following receipt;
- (b) notifies the Supplier of any loss, shortages or damage (otherwise than by a qualified signature on the delivery note) within 3 Business Days of the date of delivery; and
- (c) demonstrates to the satisfaction of the Supplier that such loss, shortages or damage occurred prior to delivery.

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

5.3. On a valid complaint made in accordance with this clause 5 the Customer shall be entitled:

- (a) in the case of notified shortages, to receive within a reasonable time thereafter a delivery of Goods equivalent to the shortfall; or
- (b) in the case of defects, at the Supplier's discretion, to:
 - (i) repairs to the affected Goods; or
 - (ii) replacements of the affected Goods;
 - (iii) a credit for the price of the affected Goods

and the Supplier shall have no further liability whatsoever in respect of any such complaint.

5.4. If a complaint of loss, shortages or damage on delivery is not made to the Supplier in accordance with this Clause 5 within 3 Business Days of the date of delivery, then the Goods shall be deemed to be delivered complete and undamaged in accordance with the Contract.

6. Export Terms

6.1. If any Goods are to be delivered outside the United Kingdom the provisions of this clause shall apply and the transport of Goods outside the United Kingdom will be governed by the relevant Incoterms agreed by the parties.

6.2. Unless otherwise agreed between the parties, the full Order value shall be secured by an irrevocable letter of credit satisfactory to the Supplier, established by the Customer in favour of the Supplier immediately upon the acceptance of an Order as outlined in clause 2.4, and confirmed by a bank acceptable to the Supplier. The letter of credit shall be for the full value of the relevant Order (together with any tax or duty payable) payable to the Supplier and shall be valid for not less than three months. The Supplier shall be entitled to payment within the time-scale agreed between the parties in writing on presentation of the relevant Contract documentation

to the Supplier's nominated bank.

6.3. Unless otherwise agreed in the Order, or in writing between the parties, the Customer shall be responsible for complying with any legislation or regulations governing the importation of the Goods into the country of destination and for the payment of any applicable duties, or the application, and payment for, any required licences.

7. Quality of Goods

7.1. Where specifically stated in the Goods Specification, the Goods shall come with the Supplier's standard warranty, a copy of which is available on request.

7.2. Save for where specifically detailed in these Conditions, all other warranties, whether express, or implied, are hereby excluded to the furthest extent possible in law.

7.3. Without prejudice to clause 7.1, the Supplier warrants that on delivery, and for a period of 12 months from the date of delivery (**Warranty Period**), the Goods shall:

- (a) conform in all material respects with the Goods Specification;
- (b) be free from material defects in design, material and workmanship; and
- (c) be of satisfactory quality (within the meaning of the Sale of Goods Act 1979).

7.4. Subject to clause 7.5, if:

- (a) the Customer gives notice in writing to the Supplier during the Warranty Period, and within a reasonable time of discovery, that some or all of the Goods do not comply with the warranty set out in clause 7.1;
- (b) the Supplier is given a reasonable opportunity of examining such Goods; and
- (c) the Customer (if asked to do so by the Supplier) returns such Goods to the Supplier's place of business at the Supplier's cost,

the Supplier shall, at its option, repair or replace the defective Goods, or refund the price of the defective Goods in full. This shall be the Customer's sole remedy for any breach of the warranty set out in clause 7.1.

7.5. The Supplier shall not be liable for the Goods' failure to comply with the warranty set out in clause 7.1 if:

- (a) the Customer makes any further use of such Goods after giving a notice in accordance with clause 7.4;
- (b) the defect arises because the Customer failed to follow the Supplier's oral or written instructions as to the storage, commissioning, installation, use or maintenance of the Goods or (if there are none) good trade practice regarding the same;
- (c) the defect arises as a result of the Supplier following any drawing, design or specification supplied by the Customer;
- (d) the Customer alters or repairs such Goods without the written consent of the Supplier;
- (e) the defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal working conditions; or
- (f) the Goods differ from the Goods Specification as a result of changes made to ensure they comply with applicable statutory or regulatory requirements.

7.6. Except as provided in this clause 7, the Supplier shall have no liability to the Customer in respect of the Goods' failure to comply with the warranty set out in clause 7.1.

7.7. These Conditions shall apply to any repaired or replacement Goods supplied by the Supplier.

8. Title and risk

8.1. The risk in the Goods shall pass to the Customer on completion of delivery.

8.2. Title to the Goods shall not pass to the Customer until the earlier of:

- (a) the Supplier receiving payment in full (in cash or cleared funds) for the Goods in which case title to the Goods shall pass at the time of payment; and
- (b) the Customer resells the Goods, in which case title to the Goods shall pass to the Customer at the time specified in clause 8.4.

8.3. Until title to the Goods has passed to the Customer, the Customer shall:

- (a) store the Goods separately from all other goods held by the Customer so that they remain readily identifiable as the Supplier's property;
- (b) not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;
- (c) maintain the Goods in satisfactory condition and keep them insured against all risks for their full price on the Supplier's behalf from the date of delivery;
- (d) notify the Supplier immediately if it becomes subject to any of the events listed in clause 15.1(b) to clause 15.1(d); and
- (e) give the Supplier such information as the Supplier may reasonably require from time to time relating to:

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(i) the Goods; and

(ii) the ongoing financial position of the Customer.

8.4. Subject to clause 8.5, the Customer may resell or use the Goods in the ordinary course of its business (but not otherwise) before the Supplier receives payment for the Goods. However, if the Customer resells the Goods before that time:

- (a) it does so as principal and not as the Supplier's agent; and
- (b) title to the Goods shall pass from the Supplier to the Customer immediately before the time at which resale by the Customer occurs.

8.5. At any time before title to the Goods passes to the Customer, the Supplier may:

- (a) by notice in writing, terminate the Customer's right under clause 8.4 to resell the Goods or use them in the ordinary course of its business; and
- (b) require the Customer to deliver up all Goods in its possession that have not been resold, or irrevocably incorporated into another product and if the Customer fails to do so promptly, enter any premises of the Customer or of any third party where the Goods are stored in order to recover them.

9. Supply of Services

9.1. The Supplier shall supply the Services to the Customer in accordance with the Service Specification in all material respects.

9.2. The Supplier shall use reasonable endeavours to meet any performance dates for the Services specified in the Order, or as agreed between the parties from time to time, but any such dates shall be estimates only and time shall not be of the essence for the performance of the Services.

9.3. Where, pursuant to the Services, the Supplier makes recommendations to the Customer, such recommendations will be based on the information available to the Supplier's representatives as at the time any such recommendation is provided, and shall be given to the best of the Supplier's knowledge of the matter in question. Save for where the recommendation explicitly falls within the scope Services being provided, or the Goods being supplied, any such recommendations are for guidance only and the Supplier shall have no liability to the Customer arising from the Customer following such recommendations without first having consulted a relevant expert in the matter in question.

9.4. Where any aspect of the Services involves the Supplier undertaking visits to any premises under the control of the Customer for the purposes of undertaking a pre-assessment of such premises the Customer shall inform the Supplier of all material information relating to the premises that may impact the pre-assessment being undertaken including, but not limited to, ground conditions, location of utilities, any hazards (whether physical or otherwise), and any plans to change the premises in the near future. Without prejudice to the generality of clause 10.2, the Supplier shall have no liability to the Customer if any such information is not provided, or if any information provided is not thorough or accurate.

9.5. The Supplier reserves the right to amend the Service Specification if necessary to comply with any applicable law or regulatory requirement, or if the amendment will not materially affect the nature or quality of the Services, and the Supplier shall notify the Customer in any such event.

9.6. The Supplier warrants to the Customer that the Services will be provided using reasonable care and skill.

10. Customer's obligations

10.1. The Customer shall:

- (a) ensure that the terms of the Order and any information it provides in either or both the Service Specification and the Goods Specification are complete and accurate;
- (b) be wholly responsible for ensuring that any measurements, information, schematics, documentation, or specifications provided to the Supplier are accurate and warrants and represents that the Supplier shall be entitled to rely on anything provided to it by the Customer without further interrogation;
- (c) co-operate with the Supplier in all matters relating to the Services;
- (d) provide the Supplier, its employees, agents, consultants and subcontractors, with access to the Customer's premises, office accommodation and other facilities as reasonably required by the Supplier to provide the Services;
- (e) provide the Supplier with such information and materials as the Supplier may reasonably require in order to supply the Services, and ensure that such information is complete and accurate in all material respects;
- (f) prepare the Customer's premises for the supply of the Services;
- (g) notify the Supplier, in advance, prior to the delivery of any Services, if any of the Services being delivered relate to a 'High Risk Building' as defined in the Building Safety Act 2022. Should any of the Services being provided relate to a 'High Risk Building', and the Customer has failed to notify the Supplier in accordance with this clause, the Supplier shall have no liability to the

Customer, in any form, for any failure for the Services, or any resulting Goods supplied, being in compliance with the requirements of the Building Safety Act 2022;

(h) ensure that all relevant Customer personnel are aware of the Supplier's activities under the Contract, including, but not limited to:

- (i) any deliveries of Goods; and
- (ii) the performance of any Services.

(i) pro-actively inform the Supplier of any information regarding the site where the Services are to be provided that may be relevant to the Services including, but not limited to, site conditions, ground conditions, utilities on or in the vicinity of the site, and any potential hazards on or in the vicinity of the site;

(j) ensure the site where the Goods are to be delivered and/or the Services performed is suitable for such delivery and/or performance for the entire period in which the Supplier may be on site;

(k) obtain and maintain all necessary licences, permissions and consents which may be required for the Services before the date on which the Services are to start;

(l) comply with all applicable laws, including health and safety laws;

(m) keep all materials, equipment, documents and other property of the Supplier (Supplier Materials) at the Customer's premises in safe custody at its own risk, maintain the Supplier Materials in good condition until returned to the Supplier, and not dispose of or use the Supplier Materials other than in accordance with the Supplier's written instructions or authorisation; and

(n) comply with any additional obligations as set out in the Service Specification or the Goods Specification or both.

10.2. If the Supplier's performance of any of its obligations under the Contract is prevented or delayed by any act or omission by the Customer or failure by the Customer to perform any relevant obligation (**Customer Default**):

(a) without limiting or affecting any other right or remedy available to it, the Supplier shall have the right, without liability to the Customer, to suspend performance of the Services until after the Customer remedies the Customer Default, and to rely on the Customer Default to relieve it from the performance of any of its obligations in each case to the extent the Customer Default prevents or delays the Supplier's performance of any of its obligations;

(b) the Supplier shall not be liable for any and all costs or losses sustained or incurred by the Customer arising directly or indirectly from the Supplier's failure or delay to perform any of its obligations as set out in this clause 10.2; and

(c) the Customer shall reimburse the Supplier on written demand for any costs or losses sustained or incurred by the Supplier arising directly or indirectly from the Customer Default.

11. Charges and payment

11.1. The price for Goods:

- (a) shall be the price set out in the Order or, if no price is quoted, the price set out in the Supplier's published price list as at the date of delivery; and
- (b) shall, unless otherwise outlined in the Order, be exclusive of all costs and charges of packaging, insurance, transport of the Goods, which shall be invoiced to the Customer.

11.2. Unless otherwise agreed in the Order, or between the parties in writing, the charges for Services shall be calculated on a time and materials basis:

- (a) the charges shall be calculated in accordance with the Supplier's rates, as set out in any quotation provided by the Supplier;
- (b) if working to a day rate, the Supplier's daily fee rates for each individual person are calculated on the basis of an eight-hour day from 9.00 am to 5.00 pm worked on Business Days;
- (c) the Supplier shall be entitled to charge an overtime rate of 50% of the daily fee rate on a pro rata basis for each part day or for any time worked by individuals whom it engages on the Services outside the hours referred to in clause 11.2(b); and
- (d) the Supplier shall be entitled to charge the Customer for any expenses reasonably incurred by the individuals whom the Supplier engages in connection with the Services including travelling expenses, hotel costs, subsistence and any associated expenses, and for the cost of services provided by third parties and required by the Supplier for the performance of the Services, and for the cost of any materials.

11.3. The Supplier reserves the right to increase the price of the Goods, by giving notice to the Customer at any time before delivery, to reflect any increase in the cost of the Goods to the Supplier that is due to:

- (a) any factor beyond the control of the Supplier (including foreign exchange fluctuations, increases in taxes and duties, and increases in labour, materials

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and other manufacturing costs);

- (b) any request by the Customer to change the delivery date(s), quantities or types of Goods ordered, or the Goods Specification; or
- (c) any delay caused by any instructions of the Customer in respect of the Goods or failure of the Customer to give the Supplier adequate or accurate information or instructions in respect of the Goods.

11.4. In respect of Goods, the Supplier shall invoice the Customer on or at any time after completion of delivery. In respect of Services, the Supplier shall invoice the Customer as outlined in the Order or, in the absence of any specific detail on the Order, on completion of the Services.

11.5. The Supplier reserves the right to complete credit checks as against the Customer and, by entering into the Contract, the Customer consents to the Supplier undertaking such credit checks.

11.6. The Supplier shall be entitled, at its discretion, to require the Customer to pay for any Goods, or Services, in full, or in part, prior to the delivery of the Goods, or the commencement of any of the Services.

11.7. Without prejudice, and subject to, clause 11.6, the Customer shall pay each invoice submitted by the Supplier:

- (a) within 30 days of the date of the invoice or in accordance with any credit terms agreed by the Supplier and confirmed in writing to the Customer; and
- (b) in full and in cleared funds to a bank account nominated in writing by the Supplier, and time for payment shall be of the essence of the Contract.

11.8. All amounts payable by the Customer under the Contract are exclusive of amounts in respect of value added tax chargeable from time to time (VAT). Where any taxable supply for VAT purposes is made under the Contract by the Supplier to the Customer, the Customer shall, on receipt of a valid VAT invoice from the Supplier, pay to the Supplier such additional amounts in respect of VAT as are chargeable on the supply of the Services or Goods or both, as applicable, at the same time as payment is due for the supply of the Services or Goods.

11.9. If the Customer fails to make a payment due to the Supplier under the Contract by the due date, then, without limiting the Supplier's remedies under clause 15:

- (a) The Supplier shall be entitled, without liability to the Customer, to suspend delivery of all Goods not yet delivered to the Customer; or
- (b) The Supplier shall be entitled, without liability to the Customer, to suspend performance of any Services not yet performed; and
- (c) The Customer shall pay interest on the overdue sum from the due date until payment of the overdue sum, whether before or after judgment. Interest under this clause 11.9 will accrue each day at 6% a year above the Bank of England's base rate from time to time, but at 6% a year for any period when that base rate is below 0%.

11.10. All amounts due under the Contract shall be paid in full without any set-off, counterclaim, deduction or withholding (other than any deduction or withholding of tax as required by law).

12. Intellectual property rights

12.1. All Intellectual Property Rights in or arising out of or in connection with the Services (other than Intellectual Property Rights in any materials provided by the Customer) shall be owned by the Supplier.

12.2. Save for as explicitly stated, nothing in the Contract shall serve to assign, transfer, or licence any Intellectual Property Rights owned by the Supplier, or any Polypipe Group Company.

12.3. The Supplier grants to the Customer, or shall procure the direct grant to the Customer of, a fully paid-up, worldwide, non-exclusive, royalty-free licence during the term of the Contract to copy the Deliverables (excluding materials provided by the Customer) for the purpose of receiving and using the Services and the Deliverables in its business.

12.4. The Customer shall not sub-license, assign or otherwise transfer the rights granted by clause 12.3 without the Supplier's written consent.

12.5. The Customer grants the Supplier a fully paid-up, non-exclusive, royalty-free non-transferable licence to copy and modify any materials provided by the Customer to the Supplier for the term of the Contract for the purpose of providing the Services to the Customer.

13. Data protection

13.1. The following definitions apply in this clause 13:

- (a) **Controller, Processor, Data Subject, Personal Data, Personal Data Breach, processing and appropriate technical and organisational measures:** as defined in the Data Protection Legislation.
- (b) **Data Protection Legislation:** all applicable data protection and privacy legislation in force from time to time in the UK including the UK GDPR, the Data Protection Act 2018 (and regulations made thereunder) and the Privacy and Electronic Communications Regulations 2003 (SI 2003/2426) and the guidance and codes of practice issued by the Information Commissioner or other relevant regulatory authority and applicable to a party.

13.2. Both parties will comply with all applicable requirements of the Data Protection Legislation. This clause 13 is in addition to, and does not relieve, remove or replace, a party's obligations or rights under the Data Protection Legislation.

13.3. Where the Supplier is acting as a Processor on behalf of the Customer, and without prejudice to the generality of clause 13.2, the Customer will ensure that it has all necessary appropriate consents and notices in place to enable lawful transfer of the Personal Data to the Supplier and/or lawful collection of the Personal Data by the Supplier on behalf of the Customer for the duration and purposes of the Contract.

14. Limitation of liability

14.1. References to liability in this clause 14 include every kind of liability arising under or in connection with the Contract including liability in contract, tort (including negligence), misrepresentation, restitution or otherwise.

14.2. Nothing in the Contract limits any liability which cannot legally be limited, including liability for:

- (a) death or personal injury caused by negligence;
- (b) fraud or fraudulent misrepresentation;
- (c) breach of the terms implied by section 12 of the Sale of Goods Act 1979 or section 2 of the Supply of Goods and Services Act 1982 (title and quiet possession); and
- (d) defective products under the Consumer Protection Act 1987.

14.3. Subject to clause 14.2, the Supplier's total liability to the Customer shall not exceed the value of the Contract.

14.4. The Supplier shall, in no circumstances, be liable to the Customer for any of the following types of losses:

- (a) loss of profits;
- (b) loss of revenue;
- (c) loss of sales or business;
- (d) loss of agreements or contracts;
- (e) loss of anticipated savings;
- (f) loss of use or corruption of software, data or information;
- (g) loss of or damage to goodwill; and
- (h) indirect or consequential loss.

14.5. The Supplier has given commitments as to compliance of the Goods and Services with relevant specifications in clause 7 and clause 9. In view of these commitments, the terms implied by sections 13 to 15 of the Sale of Goods Act 1979 and sections 3, 4 and 5 of the Supply of Goods and Services Act 1982 are, to the fullest extent permitted by law, excluded from the Contract.

14.6. This clause 14 shall survive termination of the Contract.

15. Termination

15.1. Without affecting any other right or remedy available to it, either party may terminate the Contract with immediate effect by giving written notice to the other party if:

- (a) the other party commits a material breach of any term of the Contract and (if such breach is remediable) fails to remedy that breach within a period of 30 days after being notified in writing to do so;
- (b) the other party takes any step or action in connection with its entering administration, provisional liquidation or any composition or arrangement with its creditors (other than in relation to a solvent restructuring), obtaining a moratorium, being wound up (whether voluntarily or by order of the court, unless for the purpose of a solvent restructuring), having a receiver appointed to any of its assets or ceasing to carry on business or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction;
- (c) the other party suspends, or threatens to suspend, or ceases or threatens to cease to carry on all or a substantial part of its business; or
- (d) the other party's financial position deteriorates so far as to reasonably justify the opinion that its ability to give effect to the terms of the Contract is in jeopardy.

15.2. Without affecting any other right or remedy available to it, the Supplier may terminate the Contract with immediate effect by giving written notice to the Customer if:

- (a) the Customer fails to pay any amount due under the Contract on the due date for payment; or
- (b) there is a change of control of the Customer.

15.3. Without affecting any other right or remedy available to it, the Supplier may suspend the supply of Services or all further deliveries of Goods under the Contract or any other contract between the Customer and the Supplier if the Customer fails to

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pay any amount due under the Contract on the due date for payment, the Customer becomes subject to any of the events listed in clause 15.1(b) to clause 15.1(d), or the Supplier reasonably believes that the Customer is about to become subject to any of them.

16. Consequences of termination

16.1. On termination of the Contract:

- (a) the Customer shall immediately pay to the Supplier all of the Supplier's outstanding unpaid invoices and interest and, in respect of Goods and Services supplied but for which no invoice has been submitted, the Supplier shall submit an invoice, which shall be payable by the Customer immediately on receipt;
- (b) the Customer shall return all of the Supplier Materials and any Deliverables or Goods which have not been fully paid for. If the Customer fails to do so, then the Supplier may enter the Customer's premises and take possession of them. Until they have been returned, the Customer shall be solely responsible for their safe keeping and will not use them for any purpose not connected with this Contract.

16.2. Termination or expiry of the Contract shall not affect any rights, remedies, obligations and liabilities of the parties that have accrued up to the date of termination or expiry, including the right to claim damages in respect of any breach of the Contract which existed at or before the date of termination or expiry.

16.3. Any provision of the Contract that expressly or by implication is intended to have effect after termination or expiry shall continue in full force and effect.

17. Confidentiality

17.1. Each party undertakes that it shall not at any time during the Contract, and for a period of two years after termination or expiry of the Contract, disclose to any person any confidential information concerning the business, assets, affairs, customers, clients or suppliers of the other party or of any member of the group of companies to which the other party belongs, except as permitted by clause 17.2.

17.2. Each party may disclose the other party's confidential information:

- (a) to its employees, officers, representatives, contractors or subcontracts or advisers who need to know such information for the purposes of exercising the party's rights or carrying out its obligations under or in connection with the Contract. Each party shall ensure that its employees, officers, representatives or advisers to whom it discloses the other party's confidential information comply with this clause 17; and
- (b) as may be required by law, a court of competent jurisdiction or any governmental or regulatory authority.

17.3. No party shall use any other party's confidential information for any purpose other than to exercise its rights and perform its obligations under or in connection with the Contract.

18. Force majeure

Neither party shall be in breach of the Contract or otherwise liable for any failure or

delay in the performance of its obligations if such delay or failure results from events, circumstances or causes beyond its reasonable control (**a Force Majeure Event**).

The time for performance of such obligations shall be extended accordingly. If the period of delay or non-performance continues for 8 weeks, the party not affected may terminate the Contract by giving 7 days' written notice to the affected party.

19. General

19.1. Assignment and other dealings

- (a) The Supplier may at any time, on written notice to the Customer, assign, mortgage, charge, subcontract, delegate, declare a trust over or deal in any other manner with any or all of its rights and obligations under the Contract to any member of the Polypipe Group of Companies.
- (b) The Customer shall not assign, transfer, mortgage, charge, subcontract, delegate, declare a trust over or deal in any other manner with any of its rights and obligations under the Contract.

19.2. Notices.

- (a) Any notice given to a party under or in connection with the Contract shall be in writing and shall be delivered by hand or by pre-paid first-class post or other next working day delivery service at its registered office (if a company) or its principal place of business (in any other case).
 - (b) Any notice shall be deemed to have been received:
 - (i) if delivered by hand, at the time the notice is left at the proper address; or
 - (ii) if sent by pre-paid first-class post or other next working day delivery service, at 9.00 am on the second Business Day after posting.

19.3. Severance. If any provision or part-provision of the Contract is or becomes invalid, illegal or unenforceable, it shall be deemed deleted, but that shall not affect the validity and enforceability of the rest of the Contract. If any provision or part

provision of the Contract is deemed deleted under this clause 19.3 the parties shall negotiate in good faith to agree a replacement provision that, to the greatest extent possible, achieves the commercial result of the original provision.

19.4. Waiver.

- (a) Except as set out in clause 2.8, a waiver of any right or remedy is only effective if given in writing and shall not be deemed a waiver of any subsequent right or remedy.
- (b) A delay or failure to exercise, or the single or partial exercise of, any right or remedy shall not waive that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy.

19.5. No partnership or agency. Nothing in the Contract is intended to, or shall be deemed to, establish any partnership or joint venture between the parties, constitute either party the agent of the other, or authorise either party to make or enter into any commitments for or on behalf of the other party.

19.6. Entire agreement.

- (a) The Contract constitutes the entire agreement between the parties.
- (b) Each party acknowledges that in entering into the Contract it does not rely on any statement, representation, assurance or warranty (whether made innocently or negligently) that is not set out in the Contract. Each party agrees that it shall have no claim for innocent or negligent misrepresentation or negligent misstatement based on any statement in the Contract.

19.7. Third party rights.

- (a) The Contract does not give rise to any rights under the Contracts (Rights of Third Parties) Act 1999 to enforce any term of the Contract.
- (b) The rights of the parties to rescind or vary the Contract are not subject to the consent of any other person.
- (c) Except as set out in clause 19.1(a), the Contract is personal as between the Supplier and the Customer and shall not apply to any supplies made to the Customer by any other member of the Polypipe Group of Companies, with any such supplies being subject to their own contract.

19.8. Variation. Except as set out in these Conditions, no variation of the Contract shall be effective unless it is agreed in writing and signed by the parties (or their authorised representatives).

19.9. Governing law. The Contract and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation shall be governed by and construed in accordance with the law of England and Wales.

19.10. Jurisdiction. Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with the Contract or its subject matter or formation.

Notes



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