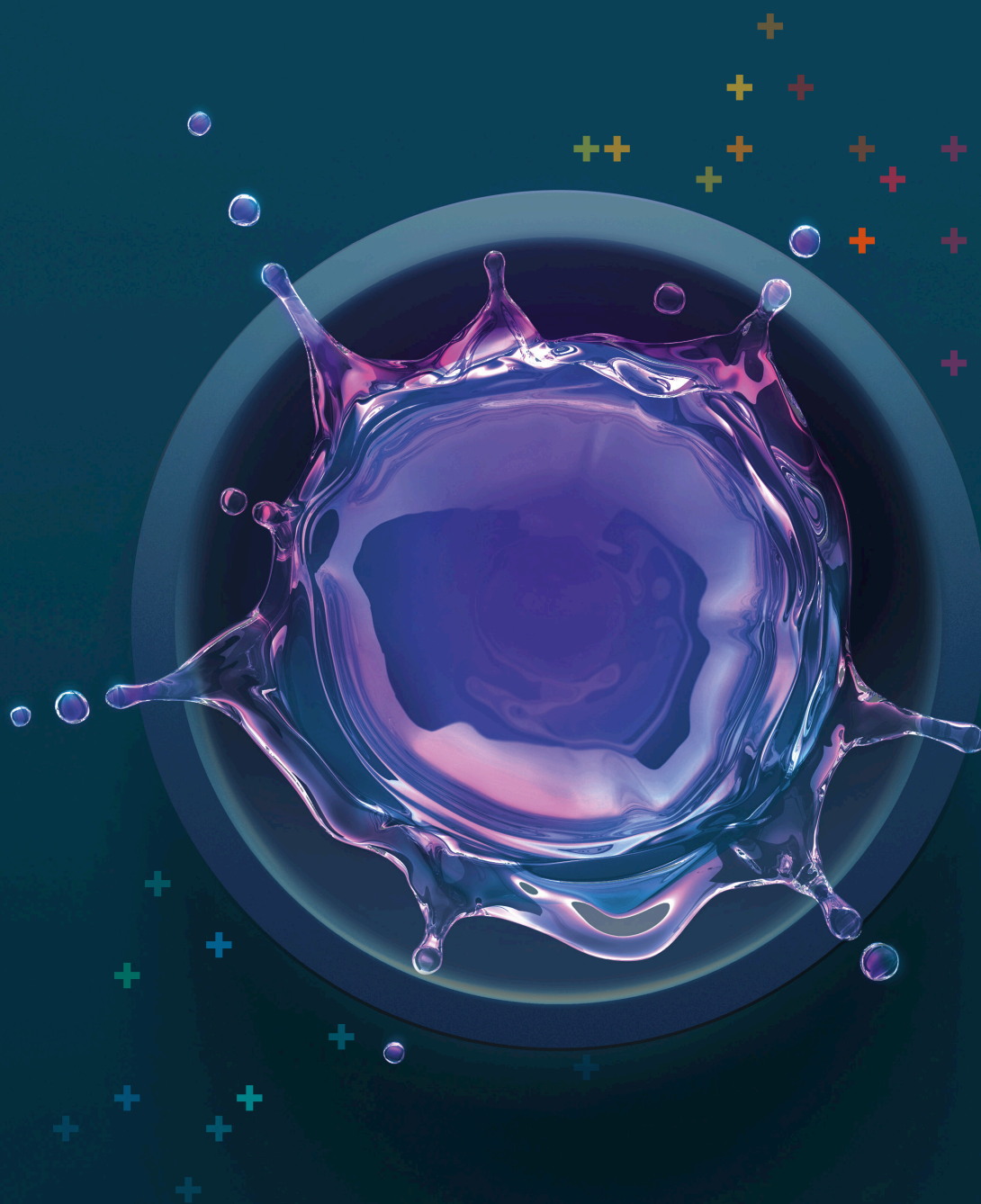


Elementary protection

FUSEAL® Corrosive Waste Piping System



A complete system ready for every application

Excellent corrosion, chemical, and environment resistance

FUSEAL® is resistant to the corrosive action of alkalis, alcohols, acids, solvents and salt solutions. Dilute mineral acids and aqueous solutions of acid salts (which are destructive to most metals), have no effect on the FUSEAL® system. FUSEAL® will not rust, pit, scale, corrode or be effected by electrolysis.

With excellent chemical resistance and physical properties, FUSEAL® is the ideal system for handling corrosive waste mixtures of acids, bases and solvents present in laboratories, industrial and food & beverage processing applications.

In above ground installations, the pigmentation protects the system from sunlight. This pigmentation is highly resistant to ultraviolet radiation and is heat stabilised to provide long life while handling hot reagents.

High temperature rating

FUSEAL® handles corrosive drainage fluids up to 100°C intermittently, with continuous service up to 82°C.

Applications

Excellent chemical and physical properties make the FUSEAL® system ideal for handling corrosive chemical waste solutions present in laboratory and industrial applications. FUSEAL® is suitable for use in chemical and industrial plants as well as in food and beverage, hospital, schools and university laboratories. Essentially, it could be anywhere that mixtures of acids, bases and solvents are drained. FUSEAL® is a common solution when many metallic waste systems fail due to corrosion.

Material

- Flame retardant polypropylene.
- Non-flame retardant polypropylene.

Pressure rating

- Drainage system that can handle elevated pressures.

Temperature rating

- Constant temperature: 0°C – 82°C
- Intermittent temperature: Up to 100°C

Standards

- Flame retardant with UL-94 rating of V-2, and ASTM D635 rating of HB
- Compliant against ASTM F1412, ASTM D4101 and ASTM D635
- Capable of being installed in accordance with EN12056 and EN1852-1





FUSEAL® benefits

- Low installation cost with maintenance-free service
- Excellent chemical and corrosion resistance
- Flame retardant PP 38mm to 152mm as standard
- Both non-flame and flame retardant PP options 203mm to 457mm
- High temperature, intermittent discharges up to 100°C, continuous up to 82°C
- Electrofusion and mechanical jointing technologies
- Lightweight, easy to use welding machine
- Full system solution
- Off-site fabrications
- Dual containment option

Fields of application

- Corrosive waste drainage
- Education
- Chemical process
- Food and beverage
- Utilities
- Health
- Power generation
- Pharmaceutical
- Industrial

Product range

Fittings	Size	Material	Connection
FUSEAL®	38mm to 152mm	Flame retardant polypropylene	New electrofusion locking collar
FUSEAL® Fast-Lock™	38mm to 102mm	Flame retardant polypropylene	Mechanical joint
FUSEAL®	203mm to 356mm	Flame and non-flame retardant polypropylene	Electrofusion
	406mm to 457mm		Butt fusion

Product range (dual containment)

Pipes	Size	Material
Dual Containment	38mm to 152mm	Flame retardant polypropylene
	203mm to 457mm	Non-flame retardant polypropylene

Elementary protection

FUSEAL® thermoplastic corrosive waste piping system ensures the highest degree of protection from hazardous liquids, providing secure transfer of waste chemicals, keeping the environment and people safe.

FUSEAL® is the only thermoplastic chemical waste drainage in the UK, which has flame retardant properties. This provides added security to the end user. The distinctive colour and markings also give a clear identification.

The Fast-Lock™ jointing mechanism is unique to FUSEAL® and assists in a quick installation, with no grooving required. With electrofusion jointing technology also as standard, the lightweight data-storing welding machine makes installation hassle-free and easy to manage.

Fuseal® is a full-system solution from “sink to drain” with off-site fabrications ensuring a straightforward installation. The option of dual containment provides added security when required.

With so many advantages, FUSEAL® is a high-quality chemical drainage system which is difficult to ignore.

The complete piping system

Sink to drain contained

With our production and fabrication facilities here in the UK, FUSEAL® provides a full complete system. There is also the option of a highly engineered dual-contained system.

One system, many applications

Suitable for use anywhere where mixtures of acids, bases and solvents are conveyed, where stainless steel, cast iron, clay and generic plastic materials fail to stand up to the corrosive nature of certain waste streams. Most major pharmaceutical manufacturing facilities and the top universities worldwide have FUSEAL® currently installed.

Fusion and jointing

An engineer or contractor can combine the benefits of the FUSEAL® electrofusion joint and the mechanical joint in a single system. FUSEAL® can be used in inaccessible areas: The Fast-Lock™ mechanical joint works well under benches, where speed of installation or future disassembly is needed. One lightweight welding machine can do all that is required on-site.

Above-ground applications

In above ground installations, the pigmentation protects the system from sunlight. FUSEAL® is resistant to ultraviolet radiation and is heat-stabilised to provide long life while handling hot reagents.

Below-ground applications

Whilst being perfect for above-ground systems, the FUSEAL® chemical drainage system is also a safe, secure and cost-effective choice for below-ground applications. Offering all the same benefits, the buried systems are additionally supported with a wide range of fittings, components and accessories that cover all possible configurations with fully bespoke options also readily available.

50%

Installation time saving of up to 50%

360°

Fully rotatable collar to allow for easy accessibility

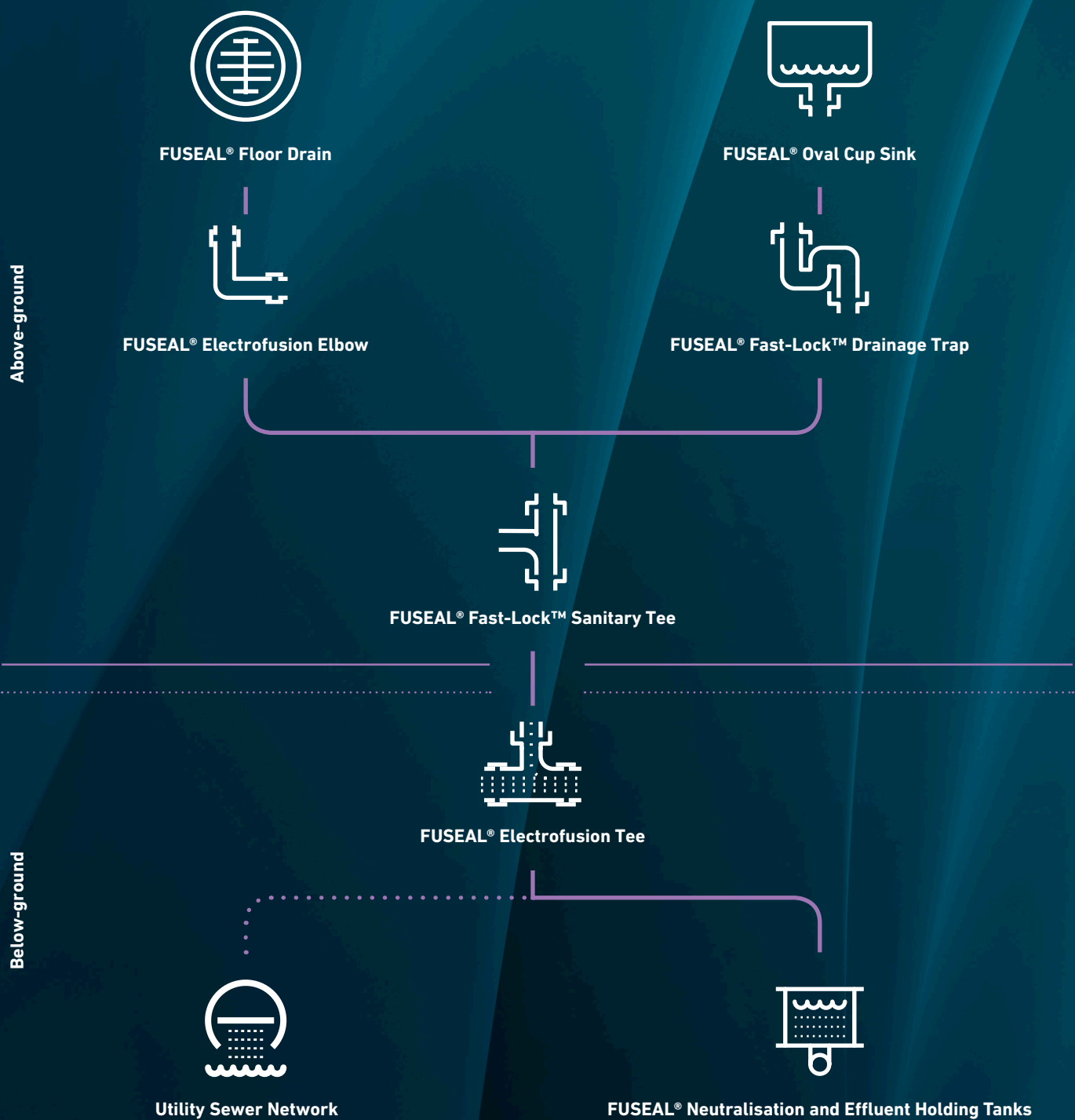
One

Complete system from start to finish

Zero

No special tools required for Fast-Lock™

The greatest size range of pipes, fittings and accessories from discharge to treatment point



Chemical waste containment

Excellent chemical resistance and physical properties ideal for handling corrosive waste mixtures of acids, bases and solvents. Diluted mineral acids and aqueous solutions of acid salts, which are destructive to most metals.

School, college and university laboratories

Science and education go hand-in-hand. During experiments, lessons and tests, laboratories need to safely discharge hazardous chemicals. With FUSEAL® the corrosive waste is securely drained away.

Hospitals and the health sector

The health sector requires a vast array of chemicals to undertake tests and processes. FUSEAL® has been expertly designed to meet these needs.

Chemical process

Industrial applications and factories where the processing of chemicals takes place, is another typical application where FUSEAL® can safely evacuate corrosive waste.

Utilities

Water treatment, where the monitoring of the quantity, quality, filtering, pH levels, particulate matter, salts, and chlorine levels are all important in delivering clean water across the globe.

Food and beverage

In applications where chemicals are required to clean and maintain a high level of hygiene, such as food & beverage, FUSEAL® can securely deal with corrosive waste to help maintain the hygiene levels required.



Key benefits

Limitless containment



Complete system solution

Complete system of pipes, fittings and accessories from sink waste to below ground, to main treatment plant, which completes this thermoplastic drainage solution.



Colour

Distinctive colour and text clearly differentiates from other pipework system.



Corrosion-free, robust plastic

Produced from a high-performance polymer which is simultaneously light, flexible, tough and exceptionally corrosion-resistant.



PP-Fire Retardant

Flame retardant with UL-94 rating of V-2, and ASTM D635 rating of HB. 38mm to 152mm as standard.





Multiple joining technology

The system utilises both our patented Fast-Lock™ mechanical fastening and electrofusion joining. Below ground system focuses on electrofusion and butt-fusion technology.



Electrofusion welding machine

Lightweight machine (12kg) and weld logs available for full traceability.



Global acceptance

Internationally approved for use by ASTM F1412 and capable of being installed in accordance with EN12056 and EN1852-1.



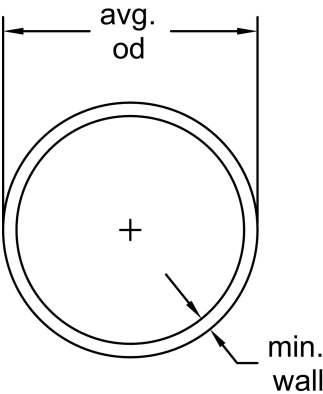
Dual containment

System can be dual contained for added safety benefit.

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Fuseal PPFR Pipe



Fuseal PP Flame Retardant Pipe

- 38mm - 152mm, 6m lengths as standard
- Sizes above 6" NFR Black PP are available on request

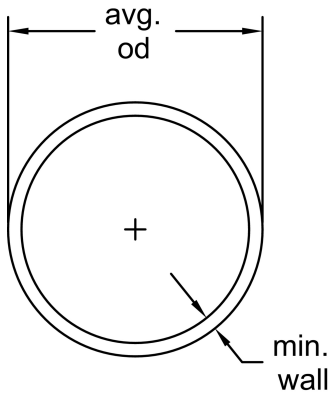
ID	Size	Code	Length	avg. od	min. wall
(mm)	(inch)		(m)	(mm)	(mm)
38	1 ½	20014M142	6.00	48.26	3.683
51	2	20014M143	6.00	60.33	3.912
76	3	20014M144	6.00	88.90	5.486
102	4	20014M145	6.00	114.30	6.020
152	6	20014M146	6.00	168.27	7.112



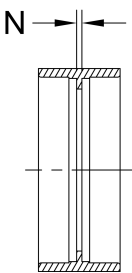
Fuseal PP Flame Retardant Pipe - 3M

- Sizes above 6" NFR Black PP are available on request

ID (mm)	Size (inch)	Code	Length (m)	avg. od (mm)	min. wall (mm)
38	1 1/2	20014D300	3	48.26	3.683
51	2	20014D301	3	60.33	3.912
76	3	20014D302	3	88.90	5.486
102	4	20014D303	3	114.30	6.020
152	6	20014D304	3	168.27	7.112



Fuseal Fittings PPFR



Coupling (S x S)

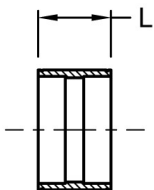
DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	N (mm)
38	1 ½	527001	375 170 001	1.52
51	2	527002	375 170 002	1.52
76	3	527003	375 170 003	3.30
102	4	527004	375 170 004	3.30
152	6	527006		4.83

Sleeve Coupling (S x S)

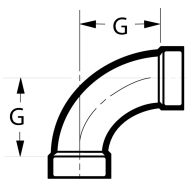
4" & 6" Sleeve Couplings Require Metal Clamps



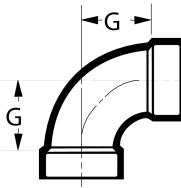
Size (inch)	Code	L (mm)
4	527044	50.80
6	527046	68.33



1/4 Bend (91.2°) - Long Sweep (S x S)

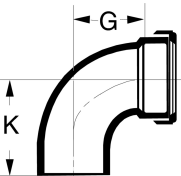


DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	G (mm)
38	1 ½	526276	375 162 701	60.85
51	2	526277	375 162 702	82.55
76	3	526278	375 162 703	103.12
102	4	526279	375 162 704	125.48
152	6	526280F		279.40



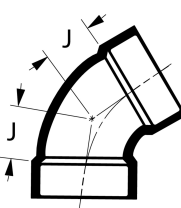
1/4 Bend (91.2°) - Short Sweep (S x S)

DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	G (mm)
38	1 1/2	526251	375 182 501	44.45
51	2	526252	375 182 502	58.67
76	3	526253	375 182 503	77.72
102	4	526254	375 182 504	98.55
152	6	526256		143.00



1/4 Bend (91.2°) - Street (S x SPG)

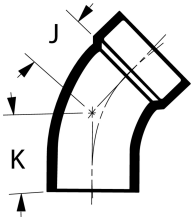
DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	G (mm)	K (mm)
38	1 1/2	526451	375 164 501	44.45	78.99
51	2	526452	375 164 502	58.67	93.98
76	3	526453	375 164 503	77.72	120.65
102	4	526454	375 164 504	98.55	136.65
152	6	526456F		279.40	274.57



1/8 Bend (45°) (S x S)

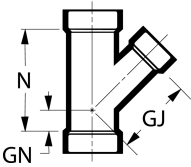
DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	J (mm)
38	1 1/2	526501	375 165 001	28.70
51	2	526502	375 165 002	38.10
76	3	526503	375 165 003	44.45
102	4	526504	375 165 004	55.63
152	6	526506		85.60

1/8 Bend (45°) - Street (S x SPG)



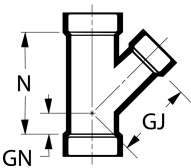
DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	K (mm)	J (mm)
38	1 1/2	526401	375 164 001	61.98	28.70
51	2	526402	375 164 002	63.50	38.10
76	3	526403	375 164 003	82.55	44.45
102	4	526404	375 164 004	82.55	55.63
152	6	526406		120.65	85.85

45° Wye (S x S x S)

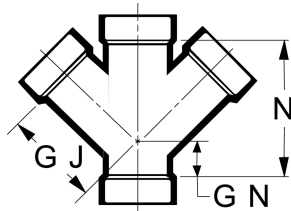


DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	GJ (mm)	GN (mm)	N (mm)
38	1 1/2	526301	375 163 001	73.15	28.70	101.60
51	2	526302	375 163 002	92.20	35.05	127.00
76	3	526303	375 163 003	127.00	42.67	177.80
102	4	526304	375 163 004	162.05	47.75	203.20
152	6	526306		231.90	41.40	279.40

45° Wye Reducing (S x S x S)

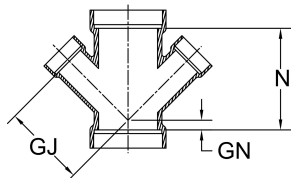


DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	GJ (mm)	GN (mm)	N (mm)
51 - 51 - 38	2 - 2 - 1 1/2	526325	375 163 030	87.38	26.92	111.25
76 - 76 - 38	3 - 3 - 1 1/2	526324	375 163 031	158.75	22.35	127.00
76 - 76 - 51	3 - 3 - 2	526326	375 163 032	117.60	22.35	127.00
102 - 102 - 51	4 - 4 - 2	526328	375 163 034	141.22	9.65	128.50
102 - 102 - 76	4 - 4 - 3	526327	375 163 035	152.40	26.92	168.40
152 - 152 - 51	6 - 6 - 2	526342		171.45	-28.70	120.14
152 - 152 - 76	6 - 6 - 3	526343		188.72	4.83	162.05
152 - 152 - 102	6 - 6 - 4	526344		196.85	17.27	196.34



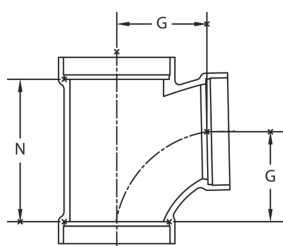
45° Wye - Double (S x S x S x S)

DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	GJ (mm)	GN (mm)	N (mm)
38	1 1/2	526380	375 163 501	89.00	28.70	117.60
51	2	526381	375 163 502	101.60	35.05	136.65
76	3	526382	375 163 503	127.00	41.40	193.80
102	4	526383	375 163 504	162.05	47.75	234.95
152	6	526351F		309.37	156.97	466.85



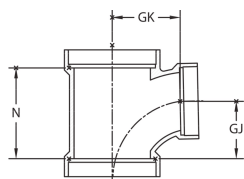
45° Wye - Double Reducing (S x S x S x S)

DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	GN (mm)	GJ (mm)	N (mm)
51 - 51 - 38 - 38	2 x 2 x 1 1/2 x 1 1/2	526384	375 163 530	26.92	87.38	136.65
76 - 76 - 38 - 38	3 x 3 x 1 1/2 x 1 1/2	526389	375 163 531	12.70	109.47	133.35
76 - 76 - 51 - 51	3 x 3 x 2 x 2	526385	375 163 532	22.35	117.60	152.40
102 - 102 - 51 - 51	4 x 4 x 2 x 2	526386	375 163 534	9.65	152.40	153.92
102 - 102 - 76 - 76	4 x 4 x 3 x 3	526387	375 163 535	26.92	152.40	193.80
152 - 152 - 76 - 76	6 x 6 x 3 x 3	526390T		44.45	254.00	314.45
152 - 152 - 102 - 102	6 x 6 x 4 x 4	526388T		57.14	252.48	314.45



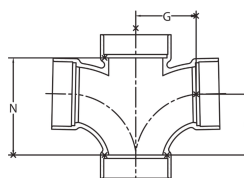
Sanitary Tee (91.2°) (S x S x S)

DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	G (mm)	N (mm)
38	1 1/2	526151	375 161 501	44.45	68.85
51	2	526152	375 161 502	58.67	93.73
76	3	526153	375 161 503	77.72	123.95
102	4	526154	375 161 504	98.55	155.70
152	6	526156F		361.95	466.85



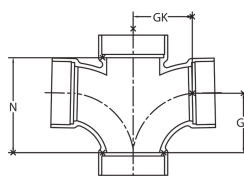
Sanitary Tee (91.2°) - Reducing (S x S x S)

DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	GJ (mm)	GK (mm)	N (mm)
51 - 51 - 38	2 - 2 - 1 ½	526126	375 161 530	49.78	53.13	80.52
76 - 76 - 38	3 - 3 - 1 ½	526131	375 161 531	44.45	65.02	68.07
76 - 76 - 51	3 - 3 - 2	526130	375 161 532	54.10	73.15	84.07
102 - 102 - 51	4 - 4 - 2	526134	375 161 534	52.32	84.07	81.03
102 - 102 - 76	4 - 4 - 3	526136	375 161 535	76.00	90.42	120.65
152 - 152 - 51	6 - 6 - 2	526137F		99.82	152.40	155.70
152 - 152 - 76	6 - 6 - 3	526138F		99.82	162.56	155.70
152 - 152 - 102	6 - 6 - 4	526139		99.82	124.46	155.70



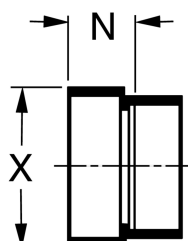
Sanitary Tee (91.2°) - Double (S x S x S x S)

DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	G (mm)	N (mm)
38	1 ½	526187	375 161 901	44	69.85
51	2	526186	375 161 902	59	93.73
76	3	526183	375 161 903	78	123.95
102	4	526185	375 161 904	99	155.70



Sanitary Tee (91.2°) - Double Reducing (S x S x S x S)

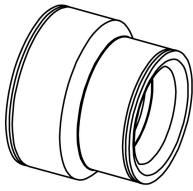
DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	GJ (mm)	GK (mm)	N (mm)
51 x 51 x 38 x 38	2 x 2 x 1 1/2 x 1 1/2	526188	375 161 930	49.28	55.63	79.50
76 x 76 x 38 x 38	3 x 3 x 1 1/2 x 1 1/2	526184F	375 161 931	54.10	111.25	84.07
76 x 76 x 51 x 51	3 x 3 x 2 x 2	526181	375 161 932	54.10	73.15	84.07
102 x 102 x 51 x 51	4 x 4 x 2 x 2	526190F	375 161 934	98.55	127.25	155.17
102 x 102 x 76 x 76	4 x 4 x 3 x 3	526191F	375 161 935	98.55	136.65	155.17



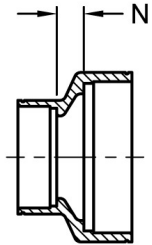
Reducer Bushing (SPG x S)

DN (mm)	Inch Size (inch)	Electrofusion Code	Fast-Lock Code	N (mm)	X (mm)
51 - 38	2 - 1 ½	526752	375 187 530	40.89	60.45
76 - 38	3 - 1 ½	526762	375 187 531	38.10	88.90
76 - 51	3 - 2	526754	375 187 532	38.10	88.90
102 - 51	4 - 2	526758	375 187 534	28.70	114.30
102 - 76	4 - 3	526756	375 187 535	38.10	114.30
152 - 102	6 - 4	526767		32.51	168.40

Fuseal Pipe Increaser (S x S)



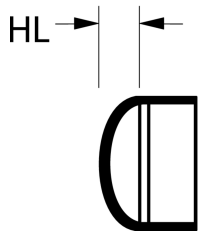
DN (mm)	Inch (inch)	Electrofusion Code	Fast-Lock Code	N (mm)
38 - 51	1 1/2 x 2	527022	375 170 230	13.46
38 - 76	1 1/2 x 3	527023F	375 170 231	66.80
51 - 76	2 x 3	527024	375 170 232	22.35
51 - 102	2 x 4	527025	375 170 234	35.05
76 - 102	3 x 4	527026	375 170 235	23.88
76 - 152	3 x 6	527027F		45.97
102 - 152	4 x 6	527028F		41.40



Cap (S)



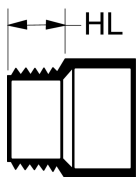
DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	HL (mm)
38	1 1/2	527081	375 170 801	13.46
51	2	527082	375 170 802	8.13
76	3	527083	375 170 803	23.11
102	4	527084	375 170 804	27.69
152	6	527087		39.62

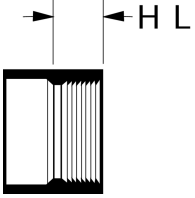


Male Adapter (S x BSP)



DN (mm)	Size (inch)	Code	HL (mm)
38	1 1/2	37A168801	29.97
51	2	37A168802	31.75
76	3		46.74
102	4		50.80
152	6		88.90

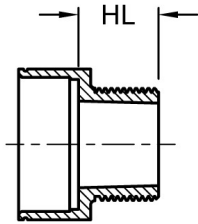
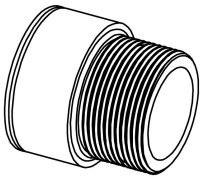




Female Adapter (S x BSP)

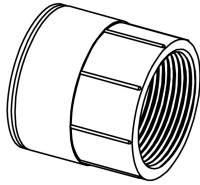
DN (mm)	Size (inch)	Code	HL (mm)
38	1 ½	37A168101	28.45
51	2	37A168102	29.21
76	3		43.69
102	4		45.97
152	6		71.63

Male Adaptor (S x MPT)

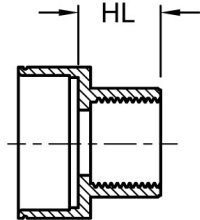


DN (mm)	Size (inch)	Electrofusion Code	Code	HL (mm)
38	1 ½	526871	375 168 701	29.97
51	2	526872	375 168 702	31.75
76	3	526873	375 168 703	46.74
102	4	526874	375 168 704	50.80
152	6	526876F		88.90

Female Adapter (S x FPT)

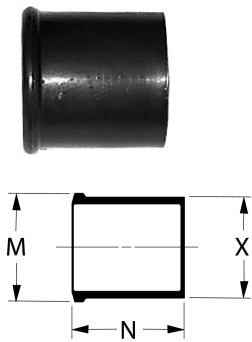


DN (mm)	Size (inch)	Electrofusion Code	Code	HL (mm)
38	1 ½	526891	375 168 901	28.45
51	2	526892	375 168 902	29.21
76	3	526893	375 168 903	43.69
102	4	526894	375 168 904	45.97
152	6	526896		71.63



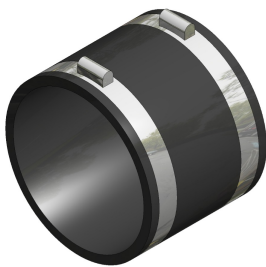
Glass Pipe Adapter (SPG x Glass Pipe Bead)

Compression Coupling and Clamp available from Glass Vendor

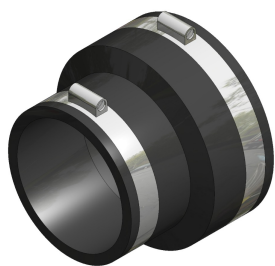


DN (mm)	Size (inch)	Electrofusion Code	M (mm)	N (mm)	X (mm)
38	1 ½	527411	52.32	51.00	48.26
51	2	527412	65.53	51.00	60.45
76	3	527413	93.73	63.50	88.90
102	4	527414	122.94	63.50	114.30
152	6	527416	180.85	76.00	168.40

Flexible Drainage Coupling EPDM w/ Clamp

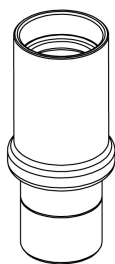


DN (mm)	Size (inch)	Code	Weight (kg)	Range (mm)
38	1 ½	20014D040	0.184	40 - 50
51	2	20014D041	0.248	50 - 65
76	3	20014D042	0.380	80 - 95
102	4	20014D043	0.652	110 - 125
152	6	20014D044	0.800	160 - 175



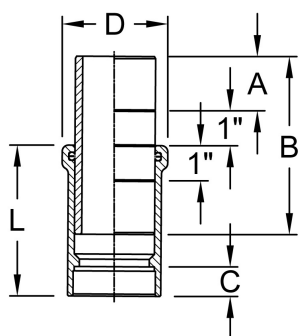
Flexible Adapter Coupling EPDM w/ Clamp

DN x DN (mm)	Size (inch)	Code	Weight (kg)	Range (mm)
51 x 38	2 - 1 1/2	20014D045	0.182	53-63 / 40-50
76 x 51	3 - 2	20014D046	0.232	75-89 / 53-63
102 x 76	4 - 3	20014D047	0.320	100-115 / 75-90
102 x 51	4 - 2	20014D048	0.390	110-122 / 60-68
102 x 38	4 - 1 1/2	20014D049	0.400	110-122 / 48-56
152 x 102	6 - 4	20014D050	0.730	155-170 / 110-125

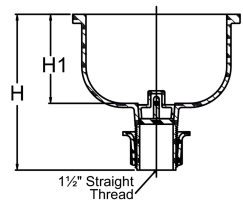
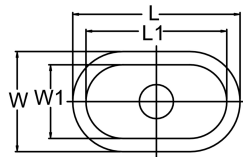


Expansion Joint EPDM (S x SPG)

DN (mm)	Size (inch)	EPDM Code	EPDM Fast- Lock Code	A (mm)	B (mm)	C (mm)	D (mm)	L (mm)
38	1 1/2	527811A	375 178 101	25	103.89	19.05	67.31	104.14
51	2	527812A	375 178 102	30	115.06	22.35	80.01	114.30
76	3	527813A	375 178 103	40	134.87	23.88	117.86	133.35
102	4	527814A	375 178 104	53	161.04	23.88	146.81	144.53



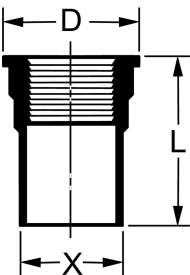
Fuseal Cleanouts & Wastes



Cup Sink - MT Outlet

Includes Sink Strainer, Plug and Retainer Nut

DN (mm)	Size (inch)	Code	H (mm)	H1 (mm)	L (mm)	L1 (mm)	W (mm)	W1 (mm)
38	1 1/2	527851A	177.80	101.60	247.65	217.42	114.30	84.07
38	1 1/2	527852A	177.80	101.60	190.50	160.27	114.30	84.07

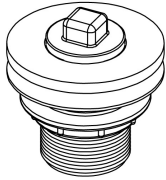


Fuseal Sink Strainer Adapter (FT x SPG)

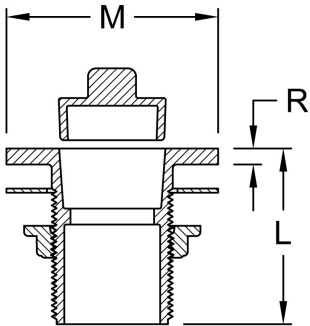
Size (inch)	Code	D (mm)	L (mm)	X (mm)
1 1/2	527451	73.15	85.85	48.26

Fuseal Sink Strainer Assembly (MT)

Includes Sink Strainer, Gasket, Plug and Locknut

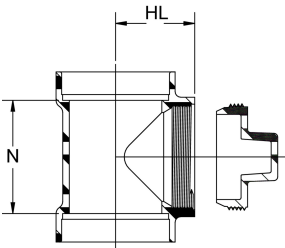


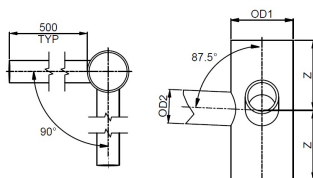
Size (inch)	Code	L (mm)	M (mm)	R (mm)
1 ½	527841A	69.85	84.07	6.35



Cleanout Tee with Plug (S x S x FT)

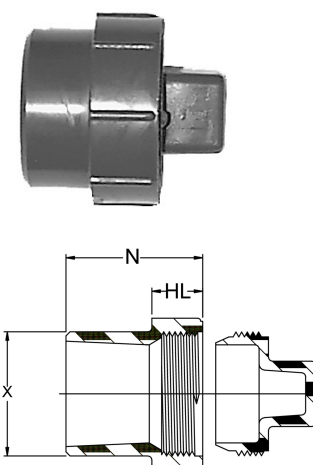
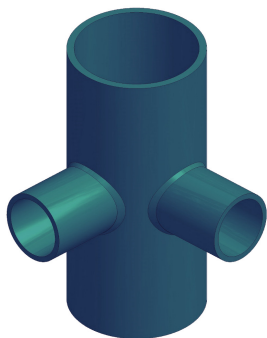
DN (mm)	Size (inch)	Electrofusion Part No. Code	Fast-Lock Part No. Code	HL (mm)	N (mm)
38	1 ½	526114A	375 161 101	46.23	53.85
51	2	526115A	375 161 102	54.10	69.60
76	3	526116A	375 161 103	66.80	95.25
102	4	526117A	375 161 104	85.85	127.00
152	6	526118AF		196.85	457.20





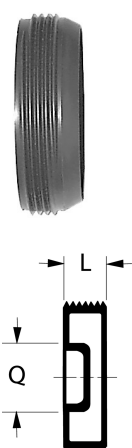
90° Corner Branch (S x S)

DN (mm)	Size (inch)	Code	Weight (kg)	OD1 (mm)	OD2 (mm)	Z (mm)
102 x 38	4 x 1 ½	20014D035		114.3	48.3	125
102 x 51	4 x 2	20014D036	0.440	114.3	60.3	125



Cleanout Adapter with Plug (SPG x FT)

DN (mm)	Size (inch)	Code	HL (mm)	N (mm)	X (mm)
38	1 ½	527701A	19.81	53.09	48.26
51	2	527702A	19.81	56.38	60.45
76	3	527703A	27.69	67.56	88.89
102	4	527704A	28.70	74.68	114.30
152	6	527706A	33.27	66.80	168.40



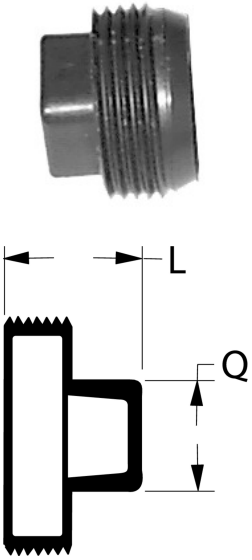
Countersunk Plug for Cleanout (MT)

DN (mm)	Size (inch)	Code	L (mm)	Q (mm)
76	3	527063	26.16	33.27
102	4	527064	29.46	41.40

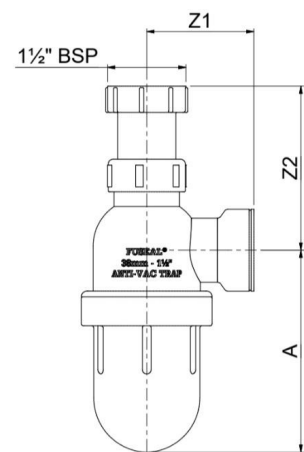
Plug (MT)

Use with cleanout tees, cleanout adapters and cleanout p-traps only

DN (mm)	Size (inch)	Code	L (mm)	Q (mm)	Remarks
25	1	527049	25.15	19.05	Used for 527201A & 527202A
38	1 ½	527051	39.62	25.40	Used for 527203A & 527204A
51	2	527052	39.12	31.75	
76	3	527053	51.56	41.40	
102	4	527054	54.86	50.80	
152	6	527057	60.45	60.45	



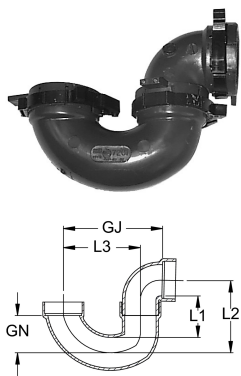
Fuseal Traps



Bottle Trap - Anti-Siphon (With / without Glass Bowl)

- **No** jointing collar included. Please order Fuseal Fast-Lock MJ or Electrofusion Collar depending on your application (please see end of catalogue).

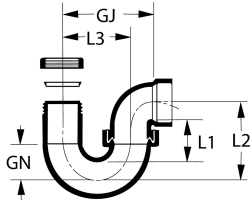
	DN (mm)	Size (inch)	Code	Weight (kg)	Z1 (mm)	Z2 Min - Max (mm)	Z2 (min cut dip tube) (mm)	A (mm)
With PP bowl	38	1 1/2	20014D066	0.282	89	95 - 140	70	145
With glass bowl	38	1 1/2	20014D067	0.380	89	95 - 140	70	145



P-Trap (SxS)

- 1-1/2" - 4" U-Bend Joint must be fused in the field
- 6" U-Bend Joint is Factory Fused

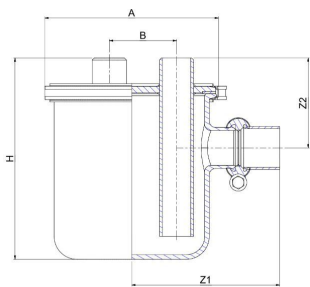
DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	GJ (mm)	GN (mm)	L1 (mm)	L2 (mm)	L3 (mm)
38	1 1/2	527201	375 172 001	119.63	42.67		92.46	88.90
51	2	527202	375 172 002	176.28	61.98	68.83	120.65	128.52



P-Trap with Union Connection (Slip Joint Inlet x S) (Slip Joint Inlet x FPT)

DN (mm)	Size (inch)	Electrofusion Code	Fast-Lock Code	GJ (mm)	GN (mm)	L1 (mm)	L2 (mm)	L3 (mm)
38	1 1/2	527225	375 172 201	114.55	45.72	52.83	92.23	83.82

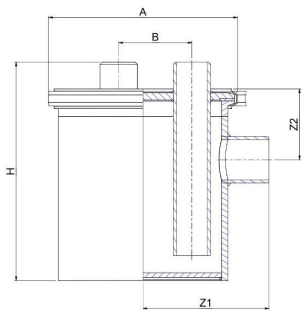
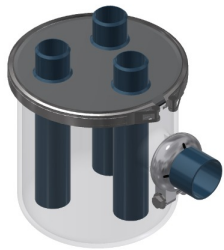
Fuseal Dilution Pots



Dilution Pot - 4.5L Borosilicate Glass Base

- 3 diptubes included on the lid, one side spigot connection with **no** jointing collar. Please order Fuseal Fast-Lock MJ collar / Electrofusion Collar (see end of catalogue)

DN	Size	Code	Weight	INLETS	Z1	Z2	A	B	H
(mm)	(inch)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
38	1 ½	20014D072	2.750	3 x 38	190	100	272	110	306
51	2	20014D073	2.800	3 x 51	190	100	272	110	306

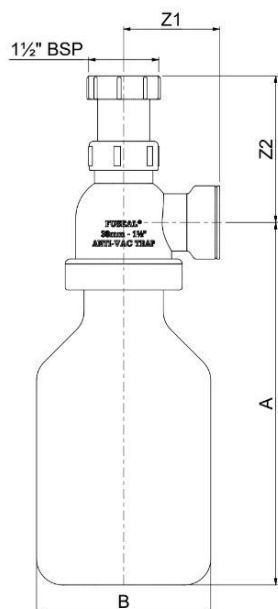


Dilution Pot - 4.5L PP Base

- 3 diptubes included on the lid, one side spigot connection with **no** jointing collar. Please order Fuseal Fast-Lock MJ collar / Electrofusion Collar (see end of catalogue)

DN	Size	Code	Weight	INLETS	Z1	Z2	A	B
(mm)	(inch)		(kg)	(mm)	(mm)	(mm)	(mm)	(mm)
38	1 ½	20014D070	2.750	3 x 38	198	100	272	110
51	2	20014D071	2.800	3 x 51	198	100	272	110



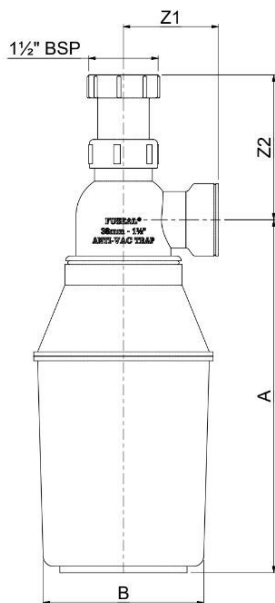


Dilution Pot - 2.5L Borosilicate Glass Base

- **No** jointing collar included. Please order Fuseal Fast-Lock MJ or Electrofusion Collar depending on your application (please see end of catalogue).

DN (mm)	Size (inch)	Code	Weight (kg)	Z1 (mm)	Z2 Min - Max (mm)	Z2 (min cut dip tube) (mm)	A (mm)	B (mm)
38	1 1/2	20014D069	0.900	89	95 - 140	70	280	135





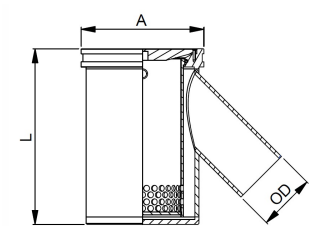
Dilution Pot - 2.2L PP Base

- **No** jointing collar included. Please order Fuseal Fast-Lock MJ or Electrofusion Collar depending on your application (please see end of catalogue).

DN (mm)	Size (inch)	Code	Weight (kg)	Z1 (mm)	Z2 Min - Max (mm)	Z2 (min cut dip tube) (mm)	A (mm)	B (mm)
38	1 1/2	20014D068	0.520	89	95 - 140	70	275	140

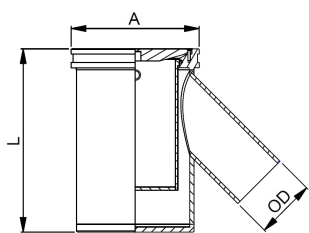
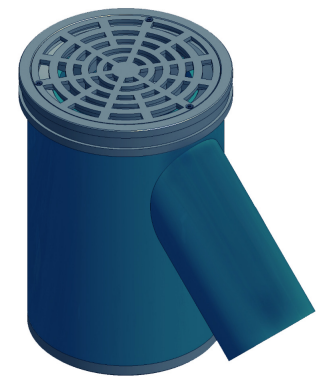


Fuseal Gullies



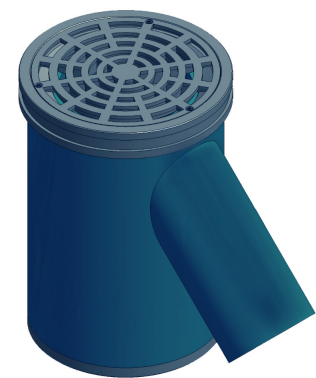
Trapped Floor Gully - 5.0 & 10.0L - with Silt Basket

	DN (mm)	Size (inch)	Code	Weight (kg)	A (mm)	OD (mm)	L (mm)
5 litre	76	3	20014D078	5.740	245	88.9	400
5 litre	102	4	20014D079	6.050	245	114.3	400
10 litre	76	3	20014D080	7.070	245	88.9	560
10 litre	102	4	20014D081	7.490	245	114.3	560



Trapped Floor Gully - 5.0L & 10.0L

	DN (mm)	Size (inch)	Code	Weight (kg)	A (mm)	OD (mm)	L (mm)
5 litre	76	3	20014D074	5.390	245	88.9	400
5 litre	102	4	20014D075	5.700	245	114.3	400
10 litre	76	3	20014D076	6.720	245	88.9	560
10 litre	102	4	20014D077	7.140	245	114.3	560



Tools and Accessories



MSA 2 CF @ 115V - Automatic Electrofusion Unit with protocols retrieval

The MSA 2 CF electro fusion unit combines light weight and high efficiency, thanks to its power switching technology and furthermore provides fusion documentation in PDF. The unit is extremely fast and simple, like COOL-FIT installations, with three basic operations required to the operator: connect, scan, start the fusion. It is robust, safe and ergonomic.

All is meant to simplify the job: the barcode scanner, for long distance reading, the cooling system to joint in series, the icon system, to keep the interaction between user and machine intuitive. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time.

The unit can keep up to 1000 protocols permanently stored in the internal memory. The user can export the fusion reports to an USB stick to print them out in PDF format.

Scope of delivery includes: transport box, standard and long angle adapters (4.0 mm), operating instructions, START/STOP badge and USB memory stick with PC applications.

The unit is suitable for welding PE, PP, INSTAFLEX PB d125-225, Fuseal d1 1/2"-12" and PPro-Seal 1/2"-3".

Technical Data:

- Operating temperature: -20°C to +50°C
- Mains voltage: 90V - 135V AC
- Mains frequency: 50-60 Hz
- Fusion data input mode: bar code, manual
- Fusion voltage: 3.6-42 V
- Fusion current: 90 A (max)
- Suggested power generators: 3.5 kVA
- Fittings range: d20-d450 (inner diameter) COOL-FIT 2.0/4.0
- Protocols format: PDF and binary (compatible with mini Welding Book)
- USB Port: Type A
- Protection factor: Class 1 / IP 65
- Main cable: 4m / Fusion cable 4m
- Weight: ca 12.5 kg
- Display: Graphical LCD, adjustable contrast
- Independent from languages

Type	Code	Weight (kg)
Barcode scanner, transport case, mini Welding Book	790 156 023	13.000



SeaDrain/FUSEAL cable adapters

- Ability to joint in parallel up to 4 coils, for SeaDrain, SeaDrain PLUS, Fuseal, PPro-Seal and Fuseal 25/50
- Compatible with MSA 210-230, MSA 330-340, MSA 250 – 400, MSA 250 – 400 PLUS

Type	Code	Weight (kg)
4 leads cable, 0.6m length	790 156 184	0.400
4 leads cable, 1.6m length	790 156 195	0.400



Channel Locks

Inch (inch)	Code	Description	Pack Qty
1 1/2, 2, & 3	37X004817	440 Channel Locks	1
4	37X004818	460 Channel Locks	1

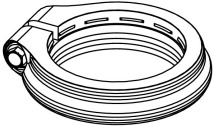


Lock Ring Pliers

Code	Pack Qty
37Z000096	1

Fuseal Fast-Lock MJ Kit

Includes Fast-Lock MJ Collar, Bolt, & Gasket



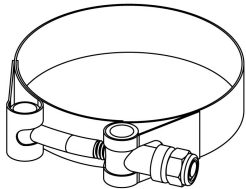
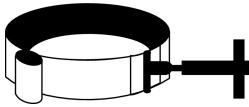
Size (inch)	Code	Weight (kg)	Pack Qty
1 1/2	375 160 001	0.023	10
2	375 160 002	0.070	10
3	375 160 003	0.147	10
4	375 160 004	0.204	10



Fusion Locking Collar with Plastic Clamp

6" Fusion Locking collars require 6" metal clamps, sold separately

Size (inch)	Code	Pack Qty
1 1/2	526042	10
2	526043	10
3	526044	10
4	526045	10
6	526047	10



Metal Clamp

Size (inch)	Code	Weight (lb)	Pack Qty
6	37Z000600	0.399	1
8	37Z000800	0.500	1
10	37Z001000	0.600	1
12	37Z001200	0.600	1

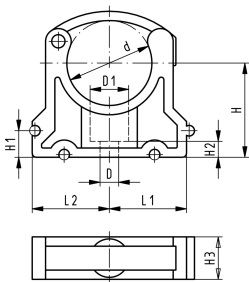
KLIP-IT pipe clip type 061 PP BS

Model:

- For BS/ASTM pipes
- Material: clip and safety clip PP black, UV resistant
- 3/8" - 2": height designed for Ball Valve Type 546 and 543



*



	d (inch)	Code	Weight (kg)	D (mm)	D1 (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	L1 (mm)	L2 (mm)	SC
*	¼	167 061 054	0.003	5	8	21	10	6	12	11	14	M5
*	⅜	167 061 085	0.006	6	10	27	10	6	16	14	17	M5
*	½	167 061 086	0.009	6	10	27	10	6	16	17	19	M5
*	¾	167 061 087	0.007	6	10	30	10	6	16	19	22	M5
*	1	167 061 088	0.012	6	10	36	10	6	16	24	27	M5
	1 ¼	167 061 089	0.025	7	14	44	10	7	22	34	34	M6
	1 ½	167 061 090	0.032	7	14	51	10	7	22	37	37	M6
	2	167 061 091	0.052	9	17	64	10	10	25	45	45	M8
	2 ½	167 061 112	0.062	9	17	58	10	10	25	52	52	M8
	3	167 061 013	0.092	9	17	65	10	10	28	65	65	M8
	4	167 061 114	0.114	9	17	81	10	10	28	79	79	M8
	5	167 061 016	0.224	9	17	110	10	10	32	98	98	M8

Chamfering tool



d-d (mm)	description	Code	Weight (kg)
25 - 110	Standard ver- sion	790 309 006	1.100
63 - 400	Standard ver- sion	790 309 004	2.600

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