

ips

fire protection
piping systems



Price List

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"We promise you the best..."

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Ordering

Phone 8.30am to 5.00pm, Monday to Friday
Fax or email 24 hours a day, every day.
Online at shop.ipsflowsystems.com

Prices

The prices shown in this catalogue are in pounds sterling, excluding VAT, and are current at the time of printing, but can be subject to change due to circumstances beyond our control. All transactions will be subject to our conditions of business, shown at the back of the catalogue.

Despatch

Orders placed by 4.30pm on stock items will be packed and shipped the same day. Non-stock items are usually dispatched within 7 days. Our computerised stock control system allows us to confirm availability and delivery date at the time of order.

Delivery

Normal delivery For most parts of the U.K., you can expect to receive your order within 24 hours following despatch. For the Scottish Highlands and Islands, and for Ireland, transit times can be longer. A nominal charge of £14.00 plus VAT is made for this standard service, regardless of the order size. Smaller or less urgent orders may also be shipped

by post, which will normally take up to 5 working days. A nominal charge of up to £4.00 plus VAT is made for this service.

Special delivery services are available, including timed early delivery or courier services. Our customer services team will be pleased to advise costs.

Payment

Opening an account is easy, contact us on 0191 521 3111 to request a copy of the IPS account application form. We have an on-line computerised system which allows us to make instant decisions on new accounts, providing immediate despatch where required.

Credit cards, including Mastercard and Visa are accepted. We are also happy to accept debit cards, corporate purchase cards, cheque or cash. IPS have a "no minimum order" policy, which means you never need to order more than you really need.

Training

IPS provide certified third party accredited training in accordance with the ISO 9001:2015 standard, either on site or at our in-house training facility. Contact the IPS customer services team for details.

Quality Assurance

IPS has complete ISO 9001:2015 accreditation, and is recognised as an Investor in People. IPS also operates an environmental management system that is accredited to ISO 14001:2015.

Peace of Mind Guarantee

IPS are renowned for supplying quality products and for maintaining exceptional customer service. If you are in any way dissatisfied with a product you have purchased from us, or on receipt you find that you have ordered incorrectly, call our customer services team within 7 days to arrange return and full refund for "as new" products (excluding custom-made, non-stock or specially ordered items).

The illustrations, images and technical data detailed in this catalogue are intended to act as a guideline only. Specifications of individual items and installation instructions are subject to change at any time. International Plastic Systems Limited is concerned to maintain consistently the high quality of the products it markets at all times, whether or not those products are of its own manufacture. However, IPS cannot ensure that all descriptions contained in this catalogue are representative of the particular products in question or their installation guidelines. All descriptions however are accurate at the time of going to press. Customers are directed to our Conditions of Business at the back of this catalogue for information on warranties and other contractual issues.



...exceptional service,
friendly professional advice,
accredited training,
unique solutions"

FlameGuard™ pipe and fittings

Advantages

FlameGuard™ CPVC Fire Sprinkler piping is designed specifically for fire sprinkler systems - providing unique advantages to the contractor. The easy assembly provided by the solvent cement system and excellent hydraulics makes CPVC an outstanding material for this application.

FlameGuard™ is manufactured from a special thermoplastic, known chemically as Post-Chlorinated Polyvinyl Chloride. The characteristics of the material and the pipe dimensions provide unique advantages in sprinkler installations: superior hydraulics; ease of joining; increased hanger spacing in comparison to other plastics; and assembly with readily available, inexpensive tools. The product has a continuous service history of more than 30 years.

Approvals

FlameGuard™ CPVC fire sprinkler systems manufactured by Spears Manufacturing Co. have been tested and approved by Underwriters Laboratories (UL), Factory Mutual System (FM) and the Loss Prevention Certification Board (LPCB) for a range of residential, LH (Light Hazard) and OH1 (Ordinary Hazard Group 1) occupancies.

The products have been subjected to and passed the LPS 1260 fire test for CPVC (Loss Prevention Standard 1260); only CPVC products that have this certification should be used for fire sprinkler applications.

The products are approved and listed by NSF and WRAS as being suitable for use in contact with cold potable water.

Scope of Use

FlameGuard™ CPVC fire sprinkler systems are designed for use in wet pipe systems only (a wet pipe system contains water and is connected to a water supply system so that water will discharge immediately when the sprinkler is opened).

Typical applications include:-

Occupancy	BSEN12845 Hazard Classification	BS9251-2014 Category of System
Houses, apartments, HMO's (houses of multiple occupancy)	LH	Suitable for all types
Residential care homes, student living developments	LH or OH1	1, 2 and 3
Schools, colleges and other educational establishments	LH or OH1	
Offices	LH or OH1	
Museums, libraries, court rooms, prisons, churches	LH or OH1	
Hotels	OH1	
Hospitals	OH1	
Attics	OH1	

Where there is any doubt regarding the suitability of the material, guidance must always be sought from our Technical Department or agreement reached between all parties having jurisdiction.



FlameGuard™ pipe and fittings



Pipe

3 Metre Lengths

Inch	mm	Code	SP	Price per length
3/4	20	CP-007-3	26	12.52
1	25	CP-010-3	17	20.10
1 1/4	32	CP-012-3	9	31.04
1 1/2	40	CP-015-3	7	42.79
2	50	CP-020-3	5	62.93
2 1/2	65	CP-025-3	4	109.48
3	80	CP-030-3	3	158.97



fittings

Socket

Socket x Socket

Size	Code	SP	Price
3/4	4229-007	25	1.58
1	4229-010	25	2.12
1 1/4	4229-012	10	3.20
1 1/2	4229-015	10	4.94
2	4229-020	20	6.71
2 1/2	4229-025	5	10.14
3	4229-030	5	13.13



Reducing Socket

Socket x Socket

Size	Code	SP	Price
1 x 3/4	4229-131	15	2.19
1 1/4 x 3/4	4229-167	25	3.33
1 1/4 x 1	4229-168	10	3.33
1 1/2 x 3/4	4229-210	25	4.82
1 1/2 x 1	4229-211	10	4.82
1 1/2 x 1 1/4	4229-212	10	4.58
2 x 3/4	4229-248	10	6.52
2 x 1	4229-249	10	6.45
2 x 1 1/4	4229-250	10	6.45
2 x 1 1/2	4229-251	10	6.26
2 1/2 x 1 1/2	4229-291	10	9.64
2 1/2 x 2	4229-292	10	9.89



Reducing Bush

Spigot x Socket

Size	Code	SP	Price
1 x 3/4	4237-131	50	1.27
1 1/4 x 3/4	4237-167	25	2.12
1 1/4 x 1	4237-168	25	2.05
1 1/2 x 3/4	4237-210	25	2.55
1 1/2 x 1	4237-211	25	2.46
1 1/2 x 1 1/4	4237-212	25	2.29
2 x 3/4	4237-248	10	3.55
2 x 1	4237-249	10	3.71
2 x 1 1/4	4237-250	10	3.66
2 x 1 1/2	4237-251	10	3.38
2 1/2 x 1 1/4	4237-290	10	6.35
2 1/2 x 1 1/2	4237-291	10	6.35
2 1/2 x 2	4237-292	15	5.75
3 x 2	4237-338	10	9.39
3 x 2 1/2	4237-339	10	8.73



Elbow 90°

Socket x Socket

Size	Code	SP	Price
3/4	4206-007	30	1.63
1	4206-010	20	3.64
1 x 3/4	4206-131	20	4.66
1 1/4	4206-012	10	4.63
1 1/2	4206-015	10	6.46
2	4206-020	25	8.85
2 1/2	4206-025	5	16.92
3	4206-030	5	24.18



Street Elbow 90°

Socket x Spigot

Size	Code	SP	Price
3/4	4209-007	50	4.01
1	4209-010	50	5.87
1 1/4	4209-012	25	9.74
1 1/2	4209-015	10	11.85
2	4209-020	25	17.40



Side Outlet Elbow 90°

Socket x Socket x Socket

Size	Code	SP	Price
3/4	4213-007	50	5.22
1	4213-010	50	7.25



Elbow 45°

Socket x Socket

Size	Code	SP	Price
3/4	4217-007	20	2.37
1	4217-010	15	2.71
1 1/4	4217-012	10	4.15
1 1/2	4217-015	10	5.75
2	4217-020	10	7.42
2 1/2	4217-025	5	13.52
3	4217-030	5	19.11



Street Elbow 45°

Socket x Spigot

Size	Code	SP	Price
1	4227-010	50	3.45
1 1/4	4227-012	50	4.47
1 1/2	4227-015	25	5.98
2	4227-020	20	8.72



Elbow 22 1/2°

Socket x Socket

Size	Code	SP	Price
3/4	4216-007	20	2.71
1	4216-010	20	3.55
1 1/4	4216-012	20	4.82
1 1/2	4216-015	20	6.59
2	4216-020	20	8.16
2 1/2	4216-025	5	30.41
3	4216-030	5	38.55



Street Elbow 22 1/2°

Socket x Spigot

Size	Code	SP	Price
3/4	4242-007	50	6.39
1	4242-010	50	8.25
1 1/4	4242-012	20	11.20
1 1/2	4242-015	25	15.33
2	4242-020	20	18.98
2 1/2	4242-025	5	26.60
3	4242-030	5	16.76





Tee 90°

Socket x Socket x Socket

Size	Code	SP	Price
3/4	4201-007	20	2.31
1	4201-010	15	4.55
1 1/4	4201-012	10	6.78
1 1/2	4201-015	10	10.58
2	4201-020	10	15.70
2 1/2	4201-025	10	26.73
3	4201-030	5	33.99



Street Tee 90°

Socket x Spigot x Socket

Size	Code	SP	Price
3/4	4244-007	15	4.51
1	4244-010	15	6.05
1 1/4	4244-012	10	10.95
1 1/2	4244-015	10	12.95
2	4244-020	10	18.95



Reducing Tee 90°

Socket x Socket x Socket

Size	Code	SP	Price
3/4 x 3/4 x 1	4201-102	15	4.05
1 x 3/4 x 3/4	4201-125	15	3.90
1 x 3/4 x 1	4201-126	15	4.24
1 x 1 x 3/4	4201-131	20	4.05
1 1/4 x 1 x 3/4	4201-157	20	7.27
1 1/4 x 1 x 1	4201-158	15	7.42
1 1/4 x 1 x 1 1/4	4201-159	15	7.52
1 1/4 x 1 1/4 x 3/4	4201-167	15	7.42
1 1/4 x 1 1/4 x 1	4201-168	15	7.42
1 1/4 x 1 1/4 x 1 1/2	4201-169	10	9.15
1 1/2 x 1 1/4 x 3/4	4201-201	10	8.80
1 1/2 x 1 1/4 x 1	4201-202	10	8.89
1 1/2 x 1 1/2 x 3/4	4201-210	15	8.89
1 1/2 x 1 1/2 x 1	4201-211	10	8.89
1 1/2 x 1 1/2 x 1 1/4	4201-212	10	9.31
1 1/2 x 1 1/2 x 2	4201-213	10	15.00
2 x 2 x 3/4	4201-248	10	15.25
2 x 2 x 1	4201-249	10	15.25
2 x 2 x 1 1/4	4201-250	10	15.25
2 x 2 x 1 1/2	4201-251	10	14.57
2 1/2 x 2 1/2 x 1	4201-289	10	19.64
2 1/2 x 2 1/2 x 1 1/4	4201-290	10	20.13
2 1/2 x 2 1/2 x 1 1/2	4201-291	10	20.33
2 1/2 x 2 1/2 x 2	4201-292	10	20.33
3 x 3 x 1	4201-335	5	24.18
3 x 3 x 1 1/4	4201-336	5	24.18
3 x 3 x 1 1/2	4201-337	5	24.18
3 x 3 x 2	4201-338	5	24.18
3 x 3 x 2 1/2	4201-339	5	25.39

Cross 90°

Socket x Socket x Socket x Socket

Size	Code	SP	Price
3/4	4220-007	20	3.96
1 x 3/4	4220-131	20	5.33
1	4220-010	15	4.96
1 1/4	4220-012	10	6.88
1 1/4 x 3/4	4220-167	25	6.92
1 1/2	4220-015	10	8.76
2	4220-020	8	14.25
2 1/2	4220-025	5	33.59
2 1/2 x 1	4220-289	15	24.15
3	4220-030	5	48.72

Cap

Socket

Size	Code	SP	Price
3/4	4247-007	25	1.03
1	4247-010	25	1.44
1 1/4	4247-012	10	2.55
1 1/2	4247-015	10	3.33
2	4247-020	10	4.94
2 1/2	4247-025	5	7.42
3	4247-030	5	12.35



Union

Socket x Socket

Size	Code	SP	Price
3/4	4257-007	10	4.94
1	4257-010	10	8.46
1 1/4	4257-012	5	11.03
1 1/2	4257-015	5	13.13
2	4257-020	5	21.48



Transition Union

Socket x Metal NPT Female Thread

Size	Code	SP	Price
1	4259-010BR	10	25.38
1 1/4	4259-012BR	5	37.20
1 1/2	4259-015BR	5	52.84
2	4259-020BR	5	77.94



Socket Flange

Socket - Drilled ASA 150

Size	Code	SP	Price
3/4	4251-007	25	4.05
1	4251-010	15	5.20
1 1/4	4251-012	15	6.59
1 1/2	4251-015	15	7.72
2	4251-020	10	12.10
2 1/2	4251-025	10	19.79
3	4254-030	10	24.36



Spigot Flange

Spigot - Drilled ASA 150

Size	Code	SP	Price
3/4	4256-007	25	4.05
1	4256-010	15	5.75
1 1/4	4256-012	15	7.27
1 1/2	4256-015	15	8.39
2	4256-020	10	13.46
2 1/2	4256-025	10	21.65
3	4256-030	10	24.90



Blind Flange

Drilled ASA 150

Size	Code	SP	Price
3/4	4253-007	25	8.84
1	4253-010	15	6.96
1 1/4	4253-012	15	6.87
1 1/2	4253-015	15	8.56
2	4253-020	10	12.96
2 1/2	4253-025	10	21.65
3	4253-030	10	23.52

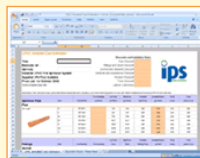


Flange Gasket

EPDM

Size	Code	SP	Price
3/4	863-ASA-007	1	2.59
1	863-ASA-010	1	3.10
1 1/4	863-ASA-012	1	3.70
1 1/2	863-ASA-015	1	4.38
2	863-ASA-020	1	5.38
2 1/2	863-ASA-025	1	7.41
3	863-ASA-030	1	7.58

Free Estimating Software



- Installed cost estimating tool
- Works with MS Excel v5+
- Can be adjusted for labour rates
- Free on request - please contact our sales office on 0800 975 7971

adaptor fittings

Grooved Coupling Adaptor

Socket x Brass Groove Joint

Size	Code	SP	Price
1 1/4	4233-012BR	10	33.35
1 1/2	4233-015BR	10	35.25
2	4233-020BR	10	39.36
2 1/2 x 73.0mm	4233-025BR	5	49.90
2 1/2 x 76.1mm	4233-025M	1	49.90
3	4233-030BR	5	65.65



Note: Only use EZ Flush Joint Lubricant - See accessories

Female Adaptor

Socket x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4	4235-007SR	25	5.83
1	4235-010SR	25	10.09
1 1/4	4235-012SR	10	16.37

Female Adaptor

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4	4235-007	15	7.97
1	4235-010	15	13.45
1 1/4	4235-012A	15	21.22
1 1/2	4235-015A	10	28.29
2	4235-020A	5	42.30

Female Adaptor

Socket x Reinforced BSP Female Thread

Size	Code	SP	Price
3/4	4235-007SRBS	25	7.69
1	4235-010SRBS	25	12.74
1 1/4	4235-012SRBS	10	20.46
1 1/2	4235-015SRBS	10	28.29
2	4235-020SRBS	10	44.00

Female Adaptor

Socket x Metal BSP Female Thread **

Size	Code	SP	Price
1 1/2	4235-015BS	10	on application
2	4235-020BS	10	

Male Adaptor

Socket x Metal NPT Male Thread

Size	Code	SP	Price
3/4	4236-007	40	9.67
1	4236-010	10	14.19
1 1/4	4236-012	10	21.72
1 1/2	4236-015	10	56.64
2	4236-020	5	87.14

Male Adaptor

Size	Code	SP	Price
3/4	4236-007	40	9.67
1	4236-010BT	10	15.44
1 1/4	4236-012BT	10	27.67
1 1/2	4236-015BT	10	59.75
2	4236-020BT	5	87.14

Spigot Adaptor

Spigot x Metal NPT Female Thread

Size	Code	SP	Price
3/4	4278-007	15	8.31
1	4278-010	15	14.66

Spigot Adaptor

Spigot x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4	4278-007SR	25	6.01
1	4278-010SR	50	10.70

Adaptor Nipple

Grey CPVC - BSP Male x NPT Male Threaded **

Size	Code	SP	Price
3/4	883-030C	1	4.07
1	884-030CNTBT	1	10.20
1 1/4	885-030CNTBT	1	10.85
1 1/2	886-030CNTBT	1	11.65
2	887-030CNTBT	1	13.64

** Not listed by LPCB, UL or FM

Reducing Bush

Spigot x Metal NPT Female Thread

Size	Code	SP	Price
1 x 1/2	4238-130BR	50	7.63

Making Threaded Joints

We recommend the use of Blue 75 Joint Compound or PTFE tape for all threaded joints on plastic piping. Please check with our technical department before using any other type of pipe joint compounds, as these can cause stress cracking and lead to failure of the system.

When using PTFE tape, follow the following guidelines:

- Always wrap tape clockwise
- Apply 2 to 3 wraps
- Tighten hand-tight plus 1 1/2 to 2 turns
- Do not overtighten



Blue 75

Size	Code	Price
1 Pint	768-301	27.34



PTFE Tape

BS7786



Roll Size mm	Code	Price
2x12x0.075	767-120	1.16

sprinkler adaptor fittings

Sprinkler Tee 90°

Socket x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 3/4 x 1/2	4202-101SR	50	6.40
1 x 3/4 x 1/2	4202-124SR	50	5.65
1 x 1 x 1/2	4202-130SR	50	5.65
1 x 1 x 1	4202-010SR	15	13.62
1 1/4 x 1 x 1/2	4202-156SR	15	9.19
1 1/4 x 1 1/4 x 1/2	4202-166SR	15	9.30
1 1/4 x 1 1/4 x 1	4202-168SR	15	20.00
1 1/2 x 1 1/4 x 1/2	4202-199SR	10	12.12
1 1/2 x 1 1/2 x 1/2	4202-209SR	25	12.12
1 1/2 x 1 1/2 x 1	4202-211SR	10	12.38
2 x 1 1/2 x 1/2	4202-237SR	10	16.99
2 x 2 x 1/2	4202-247SR	10	17.07
2 1/2 x 2 1/2 x 1/2	4202-287SR	10	25.17

Sprinkler Tee 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 3/4 x 1/2*	4202-101	50	7.00
1 x 3/4 x 1/2	4202-124	50	8.46
1 x 1 x 1/2*	4202-130	50	7.60
1 x 1 x 1	4202-010	10	18.03
1 1/4 x 1 x 1/2	4202-156	15	12.20
1 1/4 x 1 1/4 x 1/2	4202-166	15	12.20
1 1/2 x 1 1/4 x 1/2	4202-199	10	15.91
1 1/2 x 1 1/2 x 1/2	4202-209	10	16.18
2 x 1 1/2 x 1/2	4202-237	10	22.28
2 x 2 x 1/2	4202-247	10	22.28

* Also available with TorqueSafe™ connection

Sprinkler Tee 90°

Socket x Reinforced NPT Female Thread

Size	Code	SP	Price
1 x 1/2 x 1	4203-122SR	50	11.85

Sprinkler Tee 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
1 x 1/2 x 1	4203-122A	50	11.85

Sprinkler Elbow 90°

Socket x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4207-101SR	20	4.08
1 x 1/2	4207-130SR	10	4.97
1 x 3/4	4207-131SR	50	5.75
1 1/4 x 1/2	4207-166SR	25	6.11

Sprinkler Elbow 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2*	4207-101	20	4.97
1 x 1/2*	4207-130	15	6.37
1 x 3/4	4207-131	25	7.97
1 1/4 x 1/2	4207-166	10	9.03

* Also available with TorqueSafe™ connection

sprinkler adaptor fittings reinforced plastic thread

Sprinkler Adaptor

Socket x Reinforced NPT Female Thread - Wrench Flats

Size	Code	SP	Price
3/4 x 1/2	W4235-101SR	50	4.80
1 x 1/2	W4235-130SR	50	5.24

Sprinkler Adaptor

Socket x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4235-101SR	25	3.64
1 x 1/2	4235-130SR	25	3.99
1 x 3/4	4235-131SR	10	6.11

Sprinkler Adaptor

Spigot x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4238-101SR	50	3.64
1 x 1/2	4238-130SR	50	3.90

Adjustable Sprinkler Adaptor

Socket x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	42001SR	10	13.89
1 x 1/2	42011SR	10	18.58

Adjustable Sprinkler Adaptor

Spigot x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	42004SR	10	13.89
1 x 1/2	42014SR	10	18.58

Test Plug

Red HDPE - for Standard Head Adaptors

Size	Code	SP	Price
1/2	FTP-005	50	4.55

GripLoc™ Couplings

For quick repairs

GripLoc™ Coupling

Stainless Steel Gripper Ring - EPDM O-Rings

Size	Code	SP	Price
3/4	GL4229-007	1	31.91
1	GL4229-010	1	34.29

For extension of existing systems

GripLoc™ Repair Coupling

Stainless Steel Gripper Ring - EPDM O-Rings

Size	Code	SP	Price
1	SG118-10CO	1	60.52

Expansion joint and repair coupling



GripLoc™

Permanent leak-free connections. Excellent for quick repairs and system extensions. Uses no solvent cement. Eliminates system downtime.

FlameGuard™ fittings

sprinkler adaptor fittings metal thread



TorqueSafe™ Sprinkler Adaptor

Socket x Brass NPT Female Thread
EPDM Seal (No Thread Sealant Required)

Size	Code	SP	Price
3/4 x 1/2	4235-101GS	50	6.56
1 x 1/2	4235-130GS	50	6.64
1 x 3/4	4235-131GS	50	9.78



Sprinkler Adaptor

Size	Code	SP	Price
3/4 x 1/2	4238-101GS	50	4.37
1 x 1/2	4238-130GS	50	4.69



Sprinkler Tee 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 3/4 x 1/2	4202-101GS	50	8.79
1 x 3/4 x 1/2	4202-124GS	50	9.39
1 x 1 x 1/2	4202-130GS	50	9.53
1 1/4 x 1 1/4 x 1/2	4202-166GS	15	12.73
1 1/2 x 1 1/2 x 1/2	4202-209GS	10	17.19
2 x 2 x 1/2	4202-247GS	10	23.23



Sprinkler Elbow 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4207-101GS	20	6.22
1 x 1/2	4207-130GS	15	7.99
1 1/4 x 1/2	4207-166GS	10	9.21



Sprinkler Adaptor

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4235-101	50	5.24
1 x 1/2	4235-130	50	5.30
1 x 3/4	4235-131	50	8.31



Sprinkler Adaptor

Socket x Metal NPT Female Thread

Size	Code	SP	Price
1 x 1/2	L4235-130A	50	6.44

Long Body



Sprinkler Adaptor

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	R4235-101A	50	5.60

With Positioning Ring



Sprinkler Adaptor

Spigot x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4238-101	50	4.97
1 x 1/2	4238-130	50	5.30



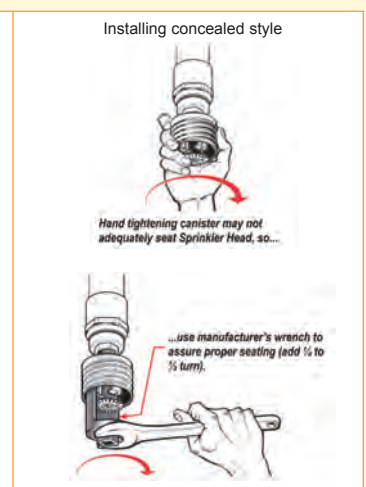
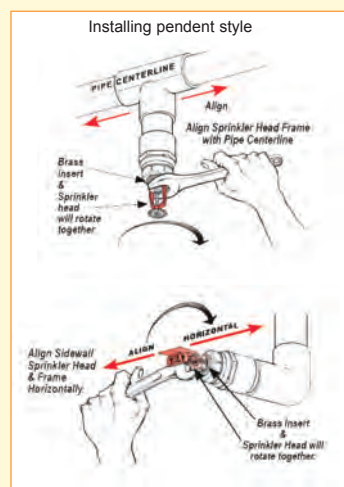
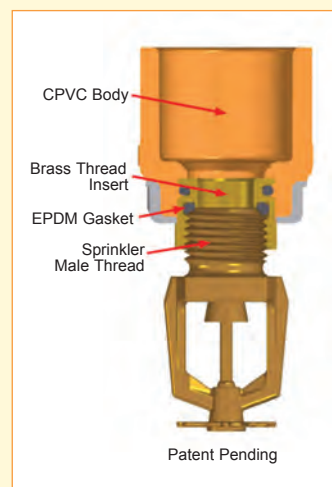
Test Plug

PVC - For TorqueSafe™ Head Adaptors

Size	Code	SP	Price
1/2	FTP-005GS	50	4.78

Torque Safe™ Sprinkler Adaptors

- Eliminates radial stress
- Prevents over tightening
- Requires no thread sealant
- Easy frame alignment
- Saves time and money



Installation is quick and easy:

- Solvent weld fitting and allow to cure
- Fit sprinkler head hand tight - no sealant or tape needed
- Use a wrench to rotate head until aligned

Caution - do not use a back-up wrench on the brass insert flats

sprinkler heads & accessories

Pendent

V2732 V27 K4.9

Room Size	Code	SP	Price
up to 6.1m	S271KCQH4L	50	26.72

Sidewall Pendent

V2738 V27 K4.2

Room Size	Code	SP	Price
up to 6.1x5.0m	S271LCQA41	50	26.83

Concealed Pendent*

V2736 V27 K4.9

Room Size	Code	SP	Price
up to 6.1m	S271NCQH1L	50	20.94

* For use with domed cover

Flush Pendent (Chrome)*

V2902 V29 K4.1

Room Size	Code	SP	Price
up to 6.1m	S291MCQB20	50	38.69

* Also available in white

Concealed Adjustable Pendent*

V3806 V38 K5.6

Room Size	Code	SP	Price
up to 6.1m	S381NCQ41L	50	20.94

* For use with flat cover

Dome Cover

To suit V2736

Colour	Code	SP	Price
White	S2706A0040	50	11.71

Optional Chrome Cover*

To suit V2902

Colour	Code	SP	Price
Chrome	SEF000020	50	16.41

* Also available in white

Flat Cover

To suit V3806

Colour	Code	SP	Price
White	S3806AS040	50	10.44

Single Piece Rosette

Decorative cover for pendent and sidewall pendent

Colour	Code	SP	Price
White	SE2-100-0040	50	5.48

2 Part Rosette

To convert V2732 pendent & V2738 sidewall pendent into a recessed pendent

Colour	Code	SP	Price
White	SE0-100-054B	50	6.32

NEW Concealed Pendent

K Factor	Code	SP	Price
K4.9	RD205CNRES162W	100	26.60
K4.9	RD208CNRES162	50	27.12

NEW Concealed Pendent

Low Flow			
K Factor	Code	SP	Price
K3.0	RD207CNRES162W	50	27.80

NEW Cover Plate - White

To suit RD205 and RD208/RD207

Size	Code	SP	Price
60mm*	RDCNCOV140R9003	100	9.40
68mm	RDRESCV140R9003	100	10.20
83mm	RDRESCV140R900383	50	10.20

* Also available in chrome

tools

NEW Installation Socket

To suit RD205 and RD207/RD208

Size	Code	SP	Price
one size	RDSOCKETFQR	100	80.00
one size	RDSOCKETFQR208	1	80.00

Open Ended Spanner

Model V27 to suit, V2732 and V2738

Size	Code	SP	Price
1/2	ST0-100-0000	1	25.08

Concealed Wrench

Model V39 to suit V2736

Size	Code	SP	Price
1/2	ST6-2J0-0000	1	116.96

Concealed Socket Wrench

Model V38-4 to suit V3806

Size	Code	SP	Price
1/2	ST2-1N0-0000	1	39.04

Flush Wrench

Model V29 to suit V2902

Size	Code	SP	Price
1/2	ST5-1M0-0000	1	116.74

Installation Options



V2736 Concealed pendent with dome cover



V2902 Flush pendent with optional chrome cover



V3806 Concealed pendent with flat cover



V2738 Pendent with recessed rosette

CPVC valves and controls

controls

Resi-Riser Kit

Complete with flow switch,
drain/test point and pressure gauge
Inlet Male BSP Outlet CPVC Socket

Size	Code	SP	Price
1	1119067	1	372.52
1 1/4	1119077*	1	391.87
1 1/2	1119087	1	452.31
2	1119097	1	507.99

* Inlet 1 1/4" solvent socket

Also available left handed, please enquire.

Flow Switch

Potter VSR-SFG - Solvent Cement Spigot

Size	Code	SP	Price
One Size	1144460	1	185.57

Installation Tee Fitting

Size	Code	SP	Price
1	4201-010	1	4.55
1 1/4	4201-168	1	7.42
1 1/2	4201-211	1	8.56
2	4201-249	1	13.86

Replacement Spigot Adaptor - Connects Flow
Switch to Tee

Size	Code	SP	Price
One Size	5180203	1	18.57

F-1000 Flowmeter

Battery Operated

Complete with Male BSP Threaded Installation Tee

Size	Flow Range l/min	Code	SP	Price
1	20-200	RB-100MB-LPM1	1	298.66
1 1/2	25-250	RB-150MB-LPM2	1	353.31
1 1/2	40-400	RB-150MB-LPM3	1	353.31
2	25-250	RB-200MB-LPM2	1	367.28
2	40-400	RB-200MB-LPM3	1	367.28

F-1000 Flowmeter & Totaliser

Battery Operated

Complete with Male BSP Threaded Installation Tee

Size	Flow Range l/min	Code	SP	Price
1	20-200	RT-100MB-LPM1	1	512.20
1 1/2	25-250	RT-150MB-LPM2	1	570.93
1 1/2	40-400	RT-150MB-LPM3	1	570.93
2	25-250	RT-200MB-LPM2	1	585.68
2	40-400	RT-200MB-LPM3	1	585.68

Flowmeter Accessories

Installation Tee Male BSP Threaded

Size	Flow Range l/min	Code	SP	Price
1	20-200	10MB1	1	62.03
1 1/2	25-250	15MB2	1	121.60
1 1/2	40-400	15MB3	1	121.60
2	25-250	20MB2	1	136.78
2	40-400	20MB3	1	136.78

Service Removal Plug*

Size	Code	SP	Price
One Size	F-900K	1	9.00

* Used to blank off unused branch

Resi-Riser Kit



- Compact Design
- BSP male inlet (1 1/4" solvent socket)
- Can monitor Flow as low as 15 litres per minute
- Flow switch included

F-1000 Flowmeter



- Battery powered (2 x AA batteries)
- Easy to read LCD display
- Connections 1", 1 1/2" or 2" male BSP
- Ideal for portable water flow checking

Please Note: All items on this page must be fitted after a WRAS approved check valve when used in residential applications.

valves

Ball Valve

Socket x Socket - For Residential Applications Only

Size	Code	SP	Price
1/2	6622-005CO	10	35.11
3/4	6622-007CO	10	46.70
1	6622-010CO	10	57.95

Lockable Ball Valve

Grey CPVC Body – CPVC Socket x CPVC Socket
For Residential Applications Only

Size	Code	SP	Price
3/4	1822-007CFG	1	83.04
1	1822-010CFG	1	98.86
1 1/4	1822-012CFG	1	157.16
1 1/2	1822-015CFG	1	165.97
2	1822-020CFG	1	221.98

Check Valve

Socket x Socket - For Residential Applications Only

Size	Code	SP	Price
1	S1520-10CO	20	44.25
1 1/4	S1520-12CO	12	49.46
1 1/2	S1520-15CO	12	55.61

NPT Threaded - For Residential Applications Only

Size	Code	SP	Price
1	S1520-10FSRSCO	20	47.93
1 1/4	S1520-12FSRSCO	12	55.34
1 1/2	S1520-15FSRSCO	12	65.64

Pressure Gauge

0-20 Bar (0-300psi) 1/4" back entry

Size	Code	SP	Price
1/4	GAUGE63	1	11.36

pipe clamps

Mupro Single Boss Clamp

Size	Clamping range mm	Code	Price
3/4	26-30	151361	3.20
1	32-38	151362	3.38
1 1/4	40-46	151364	3.89
1 1/2	48-54	151365	4.07
2	60-66	151367	4.58
2 1/2	72-80	151370	7.04
3	88-92	151372	7.39

Base Plate with Combi Nut

Size	Nut with Dual Thread	Code	Price
80x30x3	M8/M10	112397	1.73

Threaded Rod

Size	Length	Code	Price
M8	1000	113639	1.79
M10	1000	113467	2.17

hangers

Fig 22 Strap Hanger

Zinc Plated Carbon Steel

Size	Code	SP	Price
3/4	22-007	100	1.12
1	22-010	100	1.16
1 1/4	22-012	100	1.26
1 1/2	22-015	100	1.35
2	22-020	100	1.58

Fig 23 Strap Hanger

Zinc Plated Carbon Steel

Size	Code	SP	Price
3/4	23-007	100	1.22
1	23-010	100	1.24
1 1/4	23-012	100	1.35
1 1/2	23-015	100	1.42
2	23-020	100	1.67

Fig 24 Side Hanger

Zinc Plated Carbon Steel

Size	Code	SP	Price
3/4	24-007	100	1.43
1	24-010	100	1.49
1 1/4	24-012	100	1.61
1 1/2	24-015	100	1.74
2	24-020	100	2.03

Fig 200 Band Hanger

Zinc Plated Carbon Steel

Size	Code	SP	Price
3/4	200-007M	100	1.00
1	200-010M	100	1.04
1 1/4	200-012M	100	1.06
1 1/2	200-015M	100	1.16
2	200-020M	100	1.18
2 1/2	200-025M	100	2.56
3	200-030M	50	2.49

Fig 25 Surge Restrainer

Zinc Plated Carbon Steel

Size	Code	SP	Price
One Size	25-007020	100	1.50

Requires Fig 200 Band Hanger (see picture)

Offset Hanger

Zinc Plated Carbon Steel

Size	Code	SP	Price
1	514-010	100	3.54
1 1/4	514-012	100	3.74
1 1/2	514-015	100	4.08
2	514-020	100	4.37

CPVC tools and accessories

tools



Quick Release Cutter

Size	Code	Price
3/4	04114	82.93
3/4 - 2	04124	142.17
3/4 - 3	04134	175.33



Deburring Tools

Type	Size	Code	Price
DEB0	All	04434	10.16
DEB3	All	04437	23.29
DEB2	3/4 - 2	04436	32.20
DEB4	1 1/4 - 3	04430	110.42



Strap Wrench

Coated Polyester Strap

Size	Code	Price
3/4 - 2	02248	56.70
3/4 - 3	02247	64.19



Internal Pipe Cutter

Ideal for cutting sprinkler drop pipes

Size	Code	Price
min 3/4	04507	40.81
min 1 1/4	04505	40.81



Reed Test Pump

Code	Price
08177	627.84

Reed Test Pump



- Driven by either a cordless, or electric drill (not included).
 - 1500 RPM drill recommended; pump range 300 - 2000 rpm
- Ideal for testing commercial and domestic water systems.
- Complete with a 4.5 meter High Pressure Output Hose with quick disconnect coupling. Output pressure can be adjusted easily from 0-34 bar.
- Only 3.9 kg in weight, this compact pump is easily handled and transported.

accessories



Solvent Cement

Size	Code	SP	Price
Pint (473ml)	FS5-020	12	22.05

How Much Cement?

Pipe Size	Joints per Pint
3/4	135
1	90
1 1/4	65
1 1/2	50
2	35
2 1/2	25
3	20



Brush

Size	Code	SP	Price
1	PB-1	100	9.98



Can-Mate Dauber

Size	Code	SP	Price
3/4 Dia*	CM-75	50	6.00
1 1/2 Dia**	CM-150	50	6.00

* Fits Pint or Quart Cans, for pipe size 3/4 - 1 1/4

** Fits Pint or Quart Cans, for pipe size 1 1/2 - 3



Thread Sealants

PTFE Tape

Size	Code	SP	Price
12m x 12mm	767-120	10	1.16



Blue 75 Jointing Compound

Size	Code	SP	Price
1 Pint	768-301	12	27.34



Metacaulk 150+ Firestop Sealant

Size	Code	SP	Price
300ml	66648	12	17.72



Firestop Sealant

Firewise

Size	Code	SP	Price
300ml	TAC-300	12	9.62



Groove Joint Lubricant

EZ Flush

Size	Code	SP	Price
1Pint	87717	24	9.67

Training - Building on Firm Foundations

IPS Flow Systems - Proud to be the first!



- ✓ First to offer training
- ✓ First to have UKAS 3rd Party Accreditation
- ✓ First to offer Skills Cards
- ✓ First to gain BAFSA Training Accreditation



CPVC Fire Sprinkler Piping Systems form part of a life safety system, and must therefore only be installed by suitably qualified and trained personnel. It is mandatory that all installers complete a training course in the installation of CPVC fire sprinkler systems prior to commencing any work. IPS Flow Systems provide UKAS third party accredited training, either on-site, or at our in-house training facility. On completion of the training, a skill card will be issued to fully trained installers. It is recommended that this training be renewed every two years.

Please contact our sales team for further details.



College Training - Investing in the Future

IPS worked alongside BAFSA in the development of the national qualifications and upskilling awards and are proud to support the following colleges in its delivery.



Advantages of Low Pressure Water Mist

Fire suppression systems from Prevent Systems are based on low pressure water mist technology. Low pressure water mist offers a large number of advantages both to specialists and users. Advantages which make the solutions attractive compared to traditional systems.

Efficient Fire Suppression

Comprehensive fire tests speak for themselves: Our water mist systems control and extinguishes fires at least as good, or better then, traditional suppression systems in tests performed. By exploiting the water more efficiently considerably smaller amounts of water is required compared to traditional sprinklers.

Tested and Certified

Prevent water mist systems are fully tested in accredited fire laboratories according to international standards. Our water mist nozzles were the first to be certified by LPCB and listed on RedbookLive.com

Easy and Fast Installation - Discreet and Space-saving Design

Since our systems require less water, the water intake can be smaller, and all pipes and fittings are smaller. This results in easier and space saving installations, a greater architectural advantage, which is very important to builders, architects, contractors and owners.



Prev2exp Pendent

Max coverage area	Code	Price
16m ²	Prev2exp	45.36



Prev4sw Sidewall

Max coverage area	Code	Price
16m ²	Prev4sw	45.36



Prev2up Upright

Max coverage area	Code	Price
16m ²	Prev2up	48.83



Prev5exp Pendent

Max coverage area	Code	Price
16m ²	Prev5exp	48.83



Prev3exp Pendent

Max coverage area	Code	Price
16m ²	Prev3exp	45.36



Prev5exp20 Pendent

Max coverage area	Code	Price
20.25m ²	Prev5exp20	48.83



Prev3con Pendent

Max coverage area	Code	Price
16m ²	Prev3con	48.83

Nozzles

Nozzles from Prevent Systems are available both as ceiling and wall models. The nozzles are approved for protecting residential, light and ordinary hazard applications.

The nozzles have been tested to the following standards: BS 8458, BS 8489, BS 9252, INSTA 900-3, IMO Res. 265(84) Public Space and CEN Test Protocol Parking V1.

10 year product guarantee on all nozzles.



Prev2exp

For light and ordinary hazard applications, including offices, schools, retail and general public space areas in hospitals, hotels, care home institutions, etc.

Type of nozzle: Pendent
Max coverage area: 16m²
Water pressure: 8.4 bar
K-factor: 13.4



Prev2up

For light and ordinary hazard applications, including parking car garages, offices, schools, retail and general public space areas in hospitals, hotels, care home institutions, etc.

Type of nozzle: Upright
Max coverage area: 16m²
Water pressure: 8.4 bar
K-factor: 13.4



Prev3exp

For residential and domestic applications including homes, care institutions, apartment buildings, and sleeping areas in hospitals, hotels etc.

Type of nozzle: Pendent
Max coverage area: 16m²
Water pressure: 5.2 bar
K-factor: 14



Prev3con

For residential and domestic applications including homes, care institutions, apartment buildings, and sleeping areas in hospitals, hotels etc.

Type of nozzle: Pendent
Max coverage area: 16m²
Water pressure: 5.2 bar
K-factor: 14



Prev4sw

For residential and domestic applications including homes, care institutions, apartment buildings, and sleeping areas in hospitals, hotels etc.

Type of nozzle: Sidewall
Max coverage area: 16m²
Water pressure: 8 bar
K-factor: 12.4



Prev5exp

For light and ordinary hazard applications, including offices, schools, retail and general public space areas in hospitals, hotels, care home institutions etc.

Type of nozzle: Pendent
Max coverage area: 16m²
Water pressure: 2.4 bar
K-factor: 30



Prev5exp20

For residential and domestic applications including homes, care institutions, apartment buildings, and sleeping areas in hospitals, hotels etc.

Type of nozzle: Pendent
Max coverage area: 20.25m²
Water pressure: 2.2 bar
K-factor: 29

Inoxpres Press Fittings



Inoxpres press fittings are manufactured from high-alloyed austenitic stainless Cr-Ni-Mo steel n 1.4404 (AISI 316 L). The fittings are marked with laser recording the manufacturers name, diameter, DVGW test symbol and internal code. The formed ends of the press fittings are fitted with a black EPDM seal ring as standard for potable water applications.

Inoxpres applications include:-

- Fire Sprinkler Systems
- Potable water - WRAS approved product
- Hot and cold water
- Gas
- RO systems

**Now available
in 139.7mm &
168.3mm Sizes**

Temperature range -20°C to +120°C. Maximum pressure PN16



Sprinkler Systems



Cooling



Potable Water



Compressed Air



Heating



Solar



Pipe 316L 116/200

Metres

Size	Code	Price/m
15 x 1	116015200	7.80
22 x 1.2	116022200	12.36
28 x 1.2	116028200	15.58
35 x 1.5	116035200	23.55
42 x 1.5	116042200	28.12
54 x 1.5	116054200	36.15
76.1 x 2.0	116076200	69.01
88.9 x 2.0	116088200	77.03
108 x 2.0	116108200	94.75
139.7 x 2.0	116139200	157.53
168.3 x 2.0	116168200	172.84

NEW
NEW

Please note: Pipe is sold in 6m lengths. (3m available to order).

Pipe 304 114/200

Metres

Size	Code	Price/m
15 x 1	114015200	5.55
22 x 1.2	114022200	9.21
28 x 1.2	114028200	11.84
35 x 1.5	114035200	17.86
42 x 1.5	114042200	21.98
54 x 1.5	114054200	29.13
76.1 x 2.0	114076200	55.54
88.9 x 2.0	114088200	58.53
108 x 2.0	114108200	63.22

Please note: Pipe is sold in 6m lengths.
304 Grade Stainless available to special order only.

90° Elbow FxF 181/900

Double Socket

Size	Code	Price
15	181015900	9.60
22	181022900	13.27
28	181028900	17.66
35	181035900	27.66
42	181042900	47.47
54	181054900	66.25
76.1	181076900	156.34
88.9	181088900	190.17
108	181108900	259.39
139.7	181139900	508.80
168.3	181168900	657.20

NEW
NEW

90° Elbow MxF 181/901

Socket x Spigot

Size	Code	Price
15	181015901	10.07
22	181022901	13.74
28	181028901	17.20
35	181035901	25.33
42	181042901	45.99
54	181054901	66.63
76.1	181076901	160.80
88.9	181088901	195.60
108	181108901	266.80
139.7	181139901	508.80
168.3	181168901	657.20

NEW
NEW

45° Elbow FxF 181/450

Double Socket

Size	Code	Price
15	181015450	12.59
22	181022450	16.17
28	181028450	19.47
35	181035450	22.23
42	181042450	36.01
54	181054450	46.23
76.1	181076450	153.66
88.9	181088450	183.10
108	181108450	249.66
139.7	181139450	500.32
168.3	181168450	648.72

NEW
NEW

45° Elbow MxF 181/451

Socket x Spigot

Size	Code	Price
15	181015451	12.59
22	181022451	15.27
28	181028451	18.18
35	181035451	20.70
42	181042451	34.66
54	181054451	44.46
76.1	181076451	141.00
88.9	181088451	168.32
108	181108451	229.88
139.7	181139451	500.32
168.3	181168451	648.72

NEW
NEW

90° Adaptor Elbow 197

Socket x Male Thread

Size	Code	Price
15 x 1/2	197102015	17.74
22 x 1/2	197102022	19.45
22 x 3/4	197304022	24.66
28 x 1	197100028	31.84
35 x 1 1/4	197114035	45.73
42 x 1 1/2	197112042	81.30
54 x 2	197200054	103.28

90° Adaptor Elbow 198

Socket x Female Thread

Size	Code	Price
15 x 1/2	198102015	20.32
15 x 3/4	198304015	27.26
22 x 1/2	198102022	26.03
22 x 3/4	198304022	28.49
28 x 1/2	198102028	27.76
28 x 1	198100028	37.17
35 x 1 1/4	198114035	61.29

90° Elbow 186

Socket x Female BSP Thread

Size	Code	Price
15 x 1/2	186102015	28.99
22 x 3/4	186304022	35.53
28 x 1	186100028	42.09
35 x 1	186100035	49.78
35 x 1 1/4	186114035	53.31
42 x 1 1/4	186114042	62.20
42 x 1 1/2	186112042	63.13
54 x 2	186200054	72.04

Equal Tee 182

Socket x Socket x Socket

Size	Code	Price
15	182015000	15.62
22	182022000	19.59
28	182028000	23.89
35	182035000	29.80
42	182042000	42.11
54	182054000	50.25
76.1	182076000	283.96
88.9	182088000	310.91
108	182108000	383.22



Reducing Tee 192

Socket x Socket x Socket

Size	Code	Price
22 x 15 x 22	192022015	16.41
22 x 18 x 22	192022018	17.26
28 x 15 x 28	192028015	19.84
28 x 18 x 28	192028018	20.74
28 x 22 x 28	192028022	22.12
35 x 15 x 35	192035015	25.82
35 x 18 x 35	192035018	26.17
35 x 22 x 35	192035022	27.00
35 x 28 x 35	192035035	28.08
42 x 22 x 42	192042022	39.69
42 x 28 x 42	192042028	39.56
42 x 35 x 42	192042035	40.46
54 x 22 x 54	192054022	42.68
54 x 28 x 54	192054028	44.46
54 x 35 x 54	192054035	45.34
54 x 42 x 54	192054042	47.57
76.1 x 22 x 76.1	192076022	222.07
76.1 x 28 x 76.1	192076028	240.08
76.1 x 35 x 76.1	192076035	258.12
76.1 x 42 x 76.1	192076042	278.49
76.1 x 54 x 76.1	192076054	296.54
88.9 x 22 x 88.9	192088022	240.77
88.9 x 28 x 88.9	192088028	249.11
88.9 x 35 x 88.9	192088035	271.49
88.9 x 42 x 88.9	192088042	286.68
88.9 x 54 x 88.9	192088054	303.55
88.9 x 76.1 x 88.9	192088076	323.75
108 x 22 x 108	192108022	253.12
108 x 28 x 108	192108028	265.13
108 x 35 x 108	192108035	293.69
108 x 42 x 108	192108042	303.55
108 x 54 x 108	192108054	330.42
108 x 76.1 x 108	192108076	346.61
108 x 88.9 x 108	192108088	400.36
139.7 x 76.1 x 139.7	192139076	648.72
139.7 x 88.9 x 139.7	192139088	665.68
139.7 x 108 x 139.7	192139108	678.40
168.3 x 76.1 x 168.3	192168076	784.40
168.3 x 88.9 x 168.3	192168088	805.60
168.3 x 108 x 168.3	192168108	826.80
168.3 x 139.7 x 168.3	192168139	890.40

NEW
NEW
NEW
NEW
NEW
NEW

Equal Tee Female BSP 189

Socket x Female BSP



Size	Code	Price
15 x 1/2 x 15	189102015	17.49
22 x 1/2 x 22	189102022	19.75
22 x 3/4 x 22	189304022	22.53
28 x 1/2 x 28	189102028	21.72
28 x 3/4 x 28	189304028	25.82
28 x 1 x 28	189100028	40.83
35 x 1/2 x 35	189102035	26.03
35 x 3/4 x 35	189304035	31.57
35 x 1 x 35	189100035	50.43
42 x 1/2 x 42	189102042	31.57
42 x 3/4 x 42	189304042	34.59
54 x 1/2 x 54	189102054	38.14
54 x 3/4 x 54	189304054	41.35
54 x 2 x 54	189200054	83.11
76.1 x 3/4 x 76.1	189304076	246.12
76.1 x 2 x 76.1	189200076	269.16
88.9 x 3/4 x 88.9	189304088	265.52
88.9 x 2 x 88.9	189200088	279.50
108 x 3/4 x 108	189304108	325.43
108 x 2 x 108	189200108	345.01



Coupling 183/000

Socket x Socket

Size	Code	Price
15	183015000	6.53
22	183022000	8.55
28	183028000	9.78
35	183035000	12.40
42	183042000	16.78
54	183054000	20.38
76.1	183076000	98.91
88.9	183088000	113.04
108	183108000	143.82
139.7	183139000	254.40
168.3	183168000	318.00

NEW
NEW

Slip Coupling 183/001

Socket x Socket

Size	Code	Price
15	183015001	12.14
22	183022001	14.69
28	183028001	17.20
35	183035001	19.72
42	183042001	22.93
54	183054001	29.32
76.1	183076001	264.28
88.9	183088001	300.31
108	183108001	371.48



Valve Connector 183/002

Socket x Female BSP

Size	Code	Price
15 x 1/2	183015012	18.44
15 x 3/4	183015002	19.01
22 x 3/4	183022012	24.44
22 x 1	183022002	24.44
28 x 1	183028012	30.34
28 x 1 1/4	183028002	30.34
35 x 1 1/4	183035012	34.43
35 x 1 1/2	183035002	34.43
42 x 1 1/2	183042022	46.47
42 x 1 3/4	183042012	46.47
42 x 2	183042002	61.10
54 x 2	183054022	55.95
54 x 2 3/8	183054012	62.50
54 x 2 1/2	183054002	87.38



Stop End 183/003

Socket x Stop End

Size	Code	Price
15	183015003	7.81
22	183022003	9.09
28	183028003	13.02
35	183035003	14.83
42	183042003	24.00
54	183054003	28.01
76.1	183076003	47.16
88.9	183088003	58.38
108	183108003	71.82
139.7	183139003	203.52
168.3	183168003	233.20

NEW
NEW

Wall Plate Elbow 90° 185/000

Socket x Female Thread

Size	Code	Price
15 x 1/2	185102015	23.13
22 x 3/4	185304022	34.53



Extension Wall Plate Elbow 90° 185/001

Socket x Female Thread



Size	Code	Price
15 x 1/2	185102115	24.66
22 x 3/4	185304122	35.10

Wall Plate Elbow 90° 185/000M

Spigot x Male Thread



Size	Code	Price
15 x 1/2	185102015M	23.13
22 x 3/4	185304022M	34.53

Wall Plate Elbow 90° 185/001M

Spigot x Female Thread



Size	Code	Price
15 x 1/2	185102115M	24.66
22 x 3/4	185304122M	35.10

Wall Plate Elbow 90° 185/002

Socket x Male Thread



Size	Code	Price
18 x 3/4	185304218	29.97

Male Adaptor 187

Socket x Male BSP



Size	Code	Price
15 x 3/8	187308015	13.17
15 x 1/2	187102015	16.11
15 x 3/4	187304015	16.37
22 x 1/2	187102022	19.06
22 x 3/4	187304022	19.74
22 x 1	187100022	23.49
28 x 1/2	187102028	24.58
28 x 3/4	187304028	26.78
28 x 1	187100028	30.73
28 x 1 1/4	187114028	35.46
35 x 1	187100035	32.34
35 x 1 1/4	187114035	37.62
35 x 1 1/2	187112035	44.34
42 x 1 1/4	187114042	50.38
42 x 1 1/2	187112042	54.65
54 x 1 1/2	187112054	63.44
54 x 2	187200054	67.92
76.1 x 2 1/2	187212076	315.68
88.9 x 3	187300088	471.65
108 x 4	187400108	542.94

Female Adaptor 190

Socket x Female BSP



Size	Code	Price
15 x 1/2	190102015	17.35
15 x 3/4	190304015	18.09
22 x 1/2	190102022	19.45
22 x 3/4	190304022	22.77
22 x 1	190100022	26.92
28 x 3/4	190304028	26.00
28 x 1	190100028	35.65
28 x 1 1/4	190114028	39.56
35 x 1	190100035	34.25
35 x 1 1/4	190114035	38.88
35 x 1 1/2	190112035	44.47
42 x 1 1/4	190114042	43.97
42 x 1 1/2	190112042	60.62
54 x 1 1/2	190112054	66.00
54 x 2	190200054	90.26

Conical Union 184/000

Socket x Socket



Size	Code	Price
15	184015000	31.09
22	184022000	41.28
28	184028000	53.54
35	184035000	67.58
42	184042000	83.77
54	184054000	158.32

Flat Faced Union 184/001

Socket x Socket



Size	Code	Price
15	184015001	31.09
22	184022001	41.28
28	184028001	53.54
35	184035001	67.58
42	184042001	83.77
54	184054001	158.32

Male Adaptor Union 184/002

Socket x Male Brass BSP Thread



Size	Code	Price
15 x 1/2	184015002	30.34
22 x 1/2	184022122	35.57
22 x 3/4	184022002	35.57
28 x 3/4	184028342	60.66
28 x 1	184028002	60.66
35 x 1 1/4	184035002	77.40
42 x 1 1/2	184042002	88.88
54 x 2	184054002	156.03

Female Adaptor Union 184/003

Socket x Female Brass BSP Thread



Size	Code	Price
15 x 1/2	184015003	30.34
22 x 1/2	184022123	39.75
22 x 3/4	184022003	39.75
28 x 3/4	184028343	52.30
28 x 1	184028003	52.30
35 x 1 1/4	184035003	64.85
42 x 1 1/2	184042003	80.56
54 x 2	184054003	153.72

Male Adaptor Union 184/002 INOX

Socket x Male S/S BSP Thread



Size	Code	Price
15 x 1/2	184015002I	37.93
22 x 3/4	184022002I	44.47
28 x 1	184028002I	75.82
35 x 1 1/4	184035002I	96.76
42 x 1 1/2	184042002I	102.24
54 x 2	184054002I	175.59

Female Adaptor Union 184/003 INOX

Socket x Female S/S BSP Thread



Size	Code	Price
15 x 1/2	184015003I	38.75
22 x 3/4	184022003I	49.70
28 x 1	184028003I	65.37
35 x 1 1/4	184035003I	81.07
42 x 1 1/2	184042003I	92.64
54 x 2	184054003I	176.80

Reducer 191

Spigot x Socket



Size	Code	Price
22 x 15	191022015	8.26
28 x 15	191028015	9.44
28 x 22	191028022	9.96
35 x 15	191035015	36.70
35 x 22	191035022	12.05
35 x 28	191035028	14.94
42 x 15	191042015	37.94
42 x 22	191042022	39.39
42 x 28	191042028	40.28
42 x 35	191042035	16.56
54 x 15	191054015	42.07
54 x 22	191054022	44.36
54 x 28	191054028	46.18
54 x 35	191054035	57.52
54 x 42	191054042	18.10
76.1 x 42	191076042	83.61
76.1 x 54	191076054	85.44
88.9 x 54	191088054	92.94
88.9 x 76.1	191088076	126.29
108 x 54	191108054	100.19
108 x 76.1	191108076	130.05
108 x 88.9	191108088	144.85
139.7 x 88.9	191139088	445.20
139.7 x 108	191139108	424.00
168.3 x 88.9	191168088	508.80
168.3 x 108	191168108	487.60
168.3 x 139.7	191168139	466.40

Pipe Bridge 179

Male x Male



Size	Code	Price
15	179015000	13.91
22	179022000	16.21
28	179028000	19.65

Compressed Air Drop Pipe 178

Male x Male



Size	Code	Price
15	178015316	32.79
22	178022316	39.78
28	178028316	60.85

90° Elbow 194/900

Plain x Plain



Size	Code	Price
15	194015900	15.31
22	194022900	17.08
28	194028900	18.26
35	194035900	37.09
42	194042900	45.92
54	194054900	57.69

60° Elbow 194/600

Plain x Plain



Size	Code	Price
28	194028600	30.51
35	194035600	49.05
42	194042600	72.41
54	194054600	93.38

30° Elbow 194/300

Plain x Plain



Size	Code	Price
28	194028300	29.26
35	194035300	47.10
42	194042300	69.44
54	194054300	88.99

15° Elbow 194/150

Plain x Plain



Size	Code	Price
28	194028150	28.62
35	194035150	46.21
42	194042150	68.04
54	194054150	86.76

Adaptor Flange 193/000

PN16 Drilling



Size	Code	Price
15	193015000	58.30
22	193022000	70.90
28	193028000	86.69
35	193035000	122.36
42	193042000	143.53
54	193054000	177.01
76.1	193076000	288.35
88.9	193088000	344.08
108	193108000	409.57

Adaptor Flange 193/001

PN10 Drilling



Size	Code	Price
54	193054001	114.77
76.1	193076001	148.70
88.9	193088001	174.56
108	193108001	192.64
139.7	193139001	445.20
168.3	193168001	508.80

Gasket

Fasit® 202



Size	Code	Price
15	434015000	0.54
22	434020000	0.78
28	434025000	1.07
35	434032000	1.48
42	434040000	2.11
54	434050000	2.89
76.1	434065000	3.98
88.9	434080000	4.72
108	434100000	5.42

Hexagonal Bolt + Nut 435

St. St.



Size	Code	Price
M12 x 50	435012001	2.23
M16 x 65	435016001	4.81

Ball Valve 195/003

Socket x Socket



Size	Code	Price
15	195015003	89.29
22	195022003	103.22
28	195028003	131.32
35	195035003	207.52
42	195042003	264.06
54	195054003	327.19
76.1	195076003	631.95
88.9	195088003	883.15
108	195108003	1596.42

Pressing Tools and Accessories

Pressing Tools and Accessories

Making a pressfit joint is simple, but using the correct tools is essential to ensure a perfect joint.

Battery operated, portable pressing tools are available to buy or hire, and a full range of cutters and pipe preparation tools are also provided. For further details, including prices and hire charges, please contact our sales team.

We offer installer training, and would be pleased to provide this either on site or at our in-house training facility.



Novopress ECO 203

Electrohydraulic pressing tool with case

Size	Voltage	Code
12-54mm	240v	196000013
12-54mm	110v	196000015



Novopress ACO 203

Pressing tool with battery, charger and case

Size	Voltage	Code
12-54mm	240v	196000012



Novopress ACO 401

Pressing tool with 2 batteries, charger and case

Size	Voltage	Code
76-108mm	240v	196000009



Novopress ACO/ECO 202/203

Jaw

Size	Code
12	19601200N
15	19601500N
18	19601800N
22	19602200N
28	19602800N
35	19602800N



Novopress ACO/ECO 202/203

Pressing collar

Size	Code
42	19604200N
54	19605400N



Novopress ACO/ECO 202/203

Adaptor for collars

Size	Code
42-54	196042054N



Novopress ACO 401 Pressing Collars

76-108mm King Size

Size	Code
76.1	196076002
88.9	196088002
108	196108002



Novopress Fast Charger

ACO 202/203 - ACO 401

Size	Voltage	Code
	240v	19600300N



Novopress Battery

ACO 202/203/401

Code	Code
19600204N	18V/1.5 Ah Li
19600203N	18V/3.0 Ah Li

AFP 201

Code	Code
19600200N	14.4V/2.4 Ah Ni-Cd

AFP 202

Code	Code
19600201N	14.4V/2. Ah Ni-Cd
19600202N	18V/3.0 Ah Li



Novopress Case

Case for collars

Size	Code
	196042054V



Pipe Cutter

Size	Code
12-67	116000011



Cutting Wheel

Size	Code
12-67	116000012



20 Years of Pressfitting: Ready for BIM!

Equal Tee up to 54mm

Seamless
No more leaks!

Tools

Pipe Deburrer

Size	Code
10-54	116000000



Pipe Deburrer

Size	Code
63-110	116000003



Dismantling Tool

Size	Code
15-22	116000006
18-28	116000016
35-42	116000026
54	116000036



Depth Marker

Size	Code
15-54	274000000



Bandage Protection

For SteelPres Fittings

Size	Code
5cm x 9.15m	850NS000000



Important Note - Training

Correct installation of systems is important, especially where they provide 'life safety'. IPS offer training in the use of RM Pressfit.

On completion of the training, a skill card will be issued to fully trained installers. It is recommended that this training be renewed every two years.

Please contact our sales team on 0800 975 7971 for further details.



O-Ring EPDM - Black

Sanitary, Heating and Cooling

Size	Code
15	11501525N
18	11501825N
22	11502230N
28	11502830N
35	11503530N
42	11504240N
54	11505440N
76.1	11507770N
88.9	11509070N
108	11510909N
76.1*	11507770NM
88.9*	11509070NM
108*	11510909NM

* Profile M

**EPDM Gasket**

Size	Code
15-18-22	115683304E
18-22-28	115683100E
28-35	115683114E
35	115683112E
42	115183134E
42	115683134E
54	115183540E
54	115183154E

**FKM Gasket**

Size	Code
15-18	115683304F
22	115683100F
28	115683114F
35	115183112F

**Unique Sealing Ring Profile**

Traditional press fitting systems use round sealing rings, which can easily be damaged by careless fitting. RM on the other hand uses a patented sealing ring with a lenticular profile which fits the press crimp groove.

This provides the following advantages:

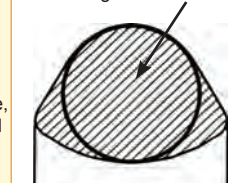
- A 20% enlargement of the sealing surface area
- Major reduction of the risk of the sealing ring being pressed out or damaged
- Fit makes the pipes insertion easier

The black EPDM sealing ring from 15 - 54mm is supplied with an additional safety feature, leak on test, which ensures accidentally unpressed joints are identified at test stage instead of during service.

Typical uses of O-rings:-

Black EPDM - Normally associated with water

+20% enlargement of sealing surface area



FM approved pipe and electrofusion fittings



PE100-RC Pipe FM218 PN15

6m Lengths *



Pipe Size	Code	Price/m
63	25 705 0063 11FM	10.53
75	25 705 0075 11FM	14.67
90	25 705 0090 11FM	21.03
110	25 705 0110 11FM	31.37
125	25 705 0125 11FM	40.38
140	25 705 0140 11FM	50.56
160	25 705 0160 11FM	66.53
180	25 705 0180 11FM	83.63
200	25 705 0200 11FM	123.05
225	25 705 0225 11FM	130.41
250	25 705 0250 11FM	161.25
280	25 705 0280 11FM	201.26
315	25 705 0315 11FM	255.58
355	25 705 0355 11FM	324.12
400	25 705 0400 11FM	410.60
450	25 705 0450 11FM	on application
500	25 705 0500 11FM	on application
560	25 705 0560 11FM	on application
630	25 705 0630 11FM	on application

* 12m lengths to order

- Factory Mutual (FM) approved for underground fire service
- Fully tested and audited by FM
- Suitable for service use at pressures up to 12 bar
- Electrofusion or butt fusion welding
- Welding equipment for sale or hire



Standard PE 100 also available - contact our sales team for further details

Electrofusion Coupling



Size	Code	Price
63	25 173 0063 11FM	15.07
75	25 173 0075 11FM	21.48
90	25 173 0090 11FM	28.65
110	25 173 0110 11FM	34.45
125	25 173 0125 11FM	48.43
140	25 173 0140 11FM	54.54
160	25 173 0160 11FM	66.77
180	25 173 0180 11FM	95.77
200	25 173 0200 11FM	113.13
225	25 173 0225 11FM	145.72
250	25 173 0250 11FM	214.75
280	25 173 0280 11FM	290.17
315	25 173 0315 11FM	350.05
355	25 173 0355 11FM	639.92
400	25 173 0400 11FM	802.39

Electrofusion Tee 90°

Fusion Spigot Branch



Size	Code	Price
63	25 176 0063 11FM	35.79
75	25 176 0075 11FM	50.39
90	25 176 0090 11FM	63.82
110	25 176 0110 11FM	102.27
125	25 176 0125 11FM	128.77
160	25 176 0160 11FM	238.53
180	25 176 0180 11FM	on application
225	25 176 0225 11FM	650.52

Electrofusion Elbow 90°



Size	Code	Price
63	25 171 0063 11FM	35.79
75	25 171 0075 11FM	51.24
90	25 171 0090 11FM	63.82
110	25 171 0110 11FM	102.27
125	25 171 0125 11FM	128.77
160	25 171 0160 11FM	238.53
180	25 171 0180 11FM	on application
225	25 171 0225 11FM	650.52

Electrofusion Elbow 45°



Size	Code	Price
63	25 170 0063 11FM	35.79
75	25 170 0075 11FM	51.24
90	25 170 0090 11FM	63.82
110	25 170 0110 11FM	102.35
125	25 170 0125 11FM	128.77
160	25 170 0160 11FM	238.53
180	25 170 0180 11FM	429.38
225	25 170 0225 11FM	650.52

Electrofusion Reducer



Size	Code	Price
90x63	25 177 9063 11FM	48.10
110x63	25 177 1163 11FM	78.41
110x90	25 177 1190 11FM	78.41
125x90	25 177 1290 11FM	on application
160x90	25 177 1690 11FM	136.73
160x110	25 177 1611 11FM	140.22
180x125	25 177 1812 11FM	on application
225x160	25 177 2216 11FM	318.24

Automatic Electrofusion Welding Machine

- Barcode or manual entry
 - Welding is fully monitored throughout
 - Illuminated display
 - Fault messages displayed plus warning signal
 - Memory records weld information
 - Data output to PC or printer
 - 110v or 230v supply
- Available for sale or hire



Electrofusion Cap



Size	Code	Price
63	25 174 0063 11FM	31.07
75	25 174 0075 11FM	49.13
90	25 174 0090 11FM	69.41
110	25 174 0110 11FM	89.06
125	25 174 0125 11FM	109.44
140	25 174 0140 11FM	143.64
160	25 174 0160 11FM	153.73
180	25 174 0180 11FM	201.87
200	25 174 0200 11FM	238.68
225	25 174 0225 11FM	281.35
250	25 174 0250 11FM	452.54
280	25 174 0280 11FM	621.79
315	25 174 0315 11FM	773.39

Tee 90°

Short Spigots

Size	Code	Price
63	25 006 0063 11FM	14.55
75	25 006 0075 11FM	29.28
90	25 006 0090 11FM	43.73
110	25 006 0110 11FM	64.24
125	25 006 0125 11FM	88.43
140	25 006 0140 11FM	112.07
160	25 006 0160 11FM	188.54
180	25 006 0180 11FM	241.59
200	25 006 0200 11FM	346.35
225	25 006 0225 11FM	411.81
250	25 006 0250 11FM	523.92
280	25 006 0280 11FM	705.74
315	25 006 0315 11FM	1006.24
355	25 006 0355 11FM	1175.99
400	25 006 0400 11FM	1755.93

Tee 90°

Elongated

Size	Code	Price
63	25 066 0063 11FM	19.59
75	25 066 0075 11FM	32.55
90	25 066 0090 11FM	46.27
110	25 066 0110 11FM	67.70
125	25 066 0125 11FM	92.95
140	25 066 0140 11FM	149.36
160	25 066 0160 11FM	193.82
180	25 066 0180 11FM	254.33
200	25 066 0200 11FM	364.50
225	25 066 0225 11FM	433.00
250	25 066 0250 11FM	559.08
280	25 066 0280 11FM	836.04
315	25 066 0315 11FM	1073.65

Reducing Tee 90°

Short Spigots

Size	Code	Price
125x63	25 016 1263 11FM	85.45
125x90	25 016 1290 11FM	85.45
140x63	25 016 1463 11FM	107.19
140x90	25 016 1490 11FM	108.95
140x110	25 016 1411 11FM	108.95
160x125	25 016 1612 11FM	180.77
180x63	25 016 1863 11FM	224.44
180x110	25 016 1811 11FM	224.44
180x125	25 016 1812 11FM	231.65
225x125	25 016 2212 11FM	390.80
250x110	25 016 2511 11FM	515.79
250x160	25 016 2516 11FM	526.45

Reducing Tee 90°

Elongated

Size	Code	Price
63x50	25 065 6350 11FM	20.45
90x63	25 065 9063 11FM	45.63
110x63	25 065 1163 11FM	67.67
110x90	25 065 1190 11FM	68.64
125x90	25 065 1290 11FM	94.13
125x110	25 065 1211 11FM	94.13
160x63	25 065 1663 11FM	185.04
160x90	25 065 1690 11FM	186.63
160x110	25 065 1611 11FM	191.33
180x90	25 065 1890 11FM	256.53
180x110	25 065 1811 11FM	250.40
180x160	25 065 1816 11FM	256.53
225x90	25 065 2290 11FM	433.69
225x110	25 065 2211 11FM	435.42
225x160	25 065 2216 11FM	436.99
225x180	25 065 2218 11FM	438.49
315x110	25 065 3111 11FM	1181.01
315x160	25 065 3116 11FM	1181.01
315x225	25 065 3122 11FM	1234.65
315x250	25 065 3125 11FM	1234.65

Reducer

Concentric

Size	Code	Price
90x63	25 009 9063 11FM	23.80
110x63	25 009 1163 11FM	30.25
110x90	25 009 1190 11FM	30.25
125x63	25 009 1263 11FM	38.87
125x90	25 009 1290 11FM	38.87
125x110	25 009 1211 11FM	38.87
140x90	25 009 1490 11FM	47.04
140x110	25 009 1411 11FM	47.04
140x125	25 009 1412 11FM	55.00
160x90	25 009 1690 11FM	55.00
160x110	25 009 1611 11FM	55.00
160x125	25 009 1612 11FM	55.00
160x140	25 009 1614 11FM	55.00
180x90	25 009 1890 11FM	86.37
180x110	25 009 1811 11FM	81.32
180x125	25 009 1812 11FM	74.99
180x140	25 009 1814 11FM	71.20
180x160	25 009 1816 11FM	67.92
225x140	25 009 2214 11FM	232.43
225x160	25 009 2216 11FM	199.51
225x180	25 009 2218 11FM	189.98
250x160	25 009 2516 11FM	266.35
250x180	25 009 2518 11FM	246.47
250x225	25 009 2522 11FM	215.03
280x200	25 009 2820 11FM	310.31
280x225	25 009 2822 11FM	289.32
280x250	25 009 2825 11FM	278.57
315x225	25 009 3122 11FM	334.91
315x250	25 009 3125 11FM	306.13

Reducer

Concentric - Elongated

Size	Code	Price
90x63	25 067 9063 11FM	24.30
110x63	25 067 1163 11FM	32.70
110x90	25 067 1190 11FM	32.70
125x63	25 067 1263 11FM	39.26
125x90	25 067 1290 11FM	39.26
125x110	25 067 1211 11FM	39.31
140x125	25 067 1412 11FM	56.50
160x90	25 067 1690 11FM	75.43
160x110	25 067 1611 11FM	75.66
160x125	25 067 1612 11FM	75.66
160x140	25 067 1614 11FM	73.16
180x125	25 067 1812 11FM	98.05
180x160	25 067 1816 11FM	98.05
225x160	25 067 2216 11FM	172.84
250x160	25 067 2516 11FM	233.72
250x225	25 067 2522 11FM	244.48
280x250	25 067 2825 11FM	325.80
315x225	25 067 3122 11FM	419.18
315x250	25 067 3125 11FM	419.18

Cap

Elongated

Size	Code	Price
63	25 064 0063 11FM	14.52
75	25 064 0075 11FM	22.37
90	25 064 0090 11FM	34.13
110	25 064 0110 11FM	46.27
125	25 064 0125 11FM	49.99
140	25 064 0140 11FM	62.53
160	25 064 0160 11FM	70.07
180	25 064 0180 11FM	91.07
200	25 064 0200 11FM	114.00
225	25 064 0225 11FM	135.47
250	25 064 0250 11FM	202.94
280	25 064 0280 11FM	287.50
315	25 064 0315 11FM	387.63

Cap

Short Spigot

Size	Code	Price
355	25 004 0355 11FM	288.29
400	25 004 0400 11FM	387.63

FM approved fusion spigot fittings

Bend 90°

Short Spigots



Size	Code	Price
250	25 001 0250 11FM	386.96
280	25 001 0280 11FM	501.27
315	25 001 0315 11FM	694.55
355	25 001 0355 11FM	1015.98
400	25 001 0400 11FM	1395.23

Elbow 90°

Elongated



Size	Code	Price
250	25 061 0250 11FM	409.75
280	25 061 0280 11FM	616.98
315	25 061 0315 11FM	774.17

Elbow 45°

Elongated



Size	Code	Price
63	25 060 0063 11FM	21.28
75	25 060 0075 11FM	27.46
90	25 060 0090 11FM	33.13
110	25 060 0110 11FM	63.53
125	25 060 0125 11FM	78.47
140	25 060 0140 11FM	102.66
160	25 060 0160 11FM	118.67
180	25 060 0180 11FM	129.90
200	25 060 0200 11FM	177.54
225	25 060 0225 11FM	211.55
250	25 060 0250 11FM	409.75
280	25 060 0280 11FM	616.96
315	25 060 0315 11FM	774.17

Multi-Bend 90°

Elongated



Size	Code	Price
63	25 068 0063 11FM	12.85
75	25 068 0075 11FM	17.70
90	25 068 0090 11FM	25.71
110	25 068 0110 11FM	48.91
125	25 068 0125 11FM	68.91
140	25 068 0140 11FM	92.16
160	25 068 0160 11FM	112.28
180	25 068 0180 11FM	132.96
200	25 068 0200 11FM	198.10
225	25 068 0225 11FM	236.27

Bend 60°

Elongated



Size	Code	Price
90	25 398 0090 11FM	
110	25 398 0110 11FM	
125	25 398 0125 11FM	
140	25 398 0140 11FM	
160	25 398 0160 11FM	
180	25 398 0180 11FM	on application
200	25 398 0200 11FM	
225	25 398 0225 11FM	
250	25 398 0250 11FM	
280	25 398 0280 11FM	
315	25 398 0315 11FM	

Bend 45°

Elongated



Size	Code	Price
90	25 397 0090 11FM	92.45
110	25 397 0110 11FM	175.98
125	25 397 0125 11FM	on application
140	25 397 0140 11FM	on application
160	25 397 0160 11FM	261.01
180	25 397 0180 11FM	315.49
200	25 397 0200 11FM	on application
225	25 397 0225 11FM	404.19
250	25 397 0250 11FM	632.19
280	25 397 0280 11FM	on application
315	25 397 0315 11FM	on application

Bend 30°

Elongated



Size	Code	Price
90	25 396 0090 11FM	92.45
110	25 396 0110 11FM	175.98
125	25 396 0125 11FM	on application
140	25 396 0140 11FM	on application
160	25 396 0160 11FM	279.17
180	25 396 0180 11FM	315.49
200	25 396 0200 11FM	on application
225	25 396 0225 11FM	404.19
250	25 396 0250 11FM	614.46
280	25 396 0280 11FM	on application
315	25 396 0315 11FM	on application

Bend 22°

Elongated



Size	Code	Price
90	25 395 0090 11FM	92.45
110	25 395 0110 11FM	175.98
125	25 395 0125 11FM	on application
140	25 395 0140 11FM	on application
160	25 395 0160 11FM	261.01
180	25 395 0180 11FM	315.49
200	25 395 0200 11FM	on application
225	25 395 0225 11FM	404.19
250	25 395 0250 11FM	632.19
280	25 395 0280 11FM	on application
315	25 395 0315 11FM	on application

Bend 11°

Elongated



Size	Code	Price
90	25 394 0090 11FM	92.45
110	25 394 0110 11FM	175.98
125	25 394 0125 11FM	on application
140	25 394 0140 11FM	on application
160	25 394 0160 11FM	261.01
180	25 394 0180 11FM	315.49
200	25 394 0200 11FM	on application
225	25 394 0225 11FM	404.19
250	25 394 0250 11FM	632.19
280	25 394 0280 11FM	on application
315	25 394 0315 11FM	on application



Pressure Ratings

FM approved polyethylene fittings are suitable for use handling fluids at pressures up to 12 bar at 20°C.

FM approved fusion spigot fittings

Stub Flange

Short Spigots

Size	Code	Price
63	25 012 0063 11FM	8.53
75	25 012 0075 11FM	10.05
90	25 012 0090 11FM	14.41
110	25 012 0110 11FM	18.53
125	25 012 0125 11FM	22.35
140	25 012 0140 11FM	26.15
160	25 012 0160 11FM	32.94
180	25 012 0180 11FM	51.18
200	25 012 0200 11FM	56.32
225	25 012 0225 11FM	62.76
250	25 012 0250 11FM	95.24
280	25 012 0280 11FM	103.79
315	25 012 0315 11FM	122.61
355	25 012 0355 11FM	217.64
400	25 012 0400 11FM	428.77

Backing Ring

Polypropylene with Steel Core

Size	Code	Price
63	14 014 0063 11	22.81
75	14 014 0075 11	25.33
90	14 014 0090 11	29.93
110	14 014 0110 11	35.56
125	14 014 0125 11	35.56
140	14 014 0140 11	54.78
160	14 014 0160 11	62.74
180	14 014 0180 11	62.74
200	14 014 0200 11	89.31
225	14 014 0225 11	89.31
250	14 014 0250 11	142.62
280	14 014 0280 11	142.62
315	14 014 0315 11	179.21
355	14 014 0355 11	377.49
400	14 014 0400 11	427.67

Stub Flange

Elongated

Size	Code	Price
63	25 062 0063 11FM	11.49
75	25 062 0075 11FM	14.92
90	25 062 0090 11FM	19.38
110	25 062 0110 11FM	24.74
125	25 062 0125 11FM	30.12
140	25 062 0140 11FM	38.85
160	25 062 0160 11FM	44.40
180	25 062 0180 11FM	68.41
200	25 062 0200 11FM	78.06
225	25 062 0225 11FM	84.04
250	25 062 0250 11FM	129.24
280	25 062 0280 11FM	195.12
315	25 062 0315 11FM	248.42

Blind Flange

Polypropylene with steel insert

Size	Code	Price
63	14 045 0063 11	91.16
75	14 045 0075 11	106.69
90	14 045 0090 11	117.46
110	14 045 0110 11	160.34
125	14 045 0125 11	160.34
140	14 045 0140 11	197.04
160	14 045 0160 11	248.58
180	14 045 0180 11	248.58
200	14 045 0200 11	276.58
225	14 045 0225 11	276.58
250	14 045 0250 11	361.52
280	14 045 0280 11	261.52
315	14 045 0315 11	527.24
355	14 045 0355 11	1029.64
400	14 045 0400 11	1176.72

Stub Flange

To adapt to cast iron flanges

Size	Code	Price
63	25 912 0063 11FM	
90	25 912 0090 11FM	
110	25 912 0110 11FM	
125	25 912 0125 11FM	
140	25 912 0140 11FM	
160	25 912 0160 11FM	on application
180	25 912 0180 11FM	
225	25 912 0225 11FM	
250	25 912 0250 11FM	
280	25 912 0280 11FM	
315	25 912 0315 11FM	
355	25 912 0355 11FM	
400	25 912 0400 11FM	

Stub Gasket

EPDM

Size	Code	Price
63	861-ISO-020	2.29
75	861-ISO-075	2.81
90	861-ISO-031	3.02
110	861-ISO-041	4.40
125	861-ISO-040	4.40
140	861-ISO-051	5.65
160	861-ISO-061	6.48
180	861-ISO-180	12.86
200	861-ISO-080	12.86
225	861-ISO-082	12.86
250	861-ISO-100	15.79
280	861-ISO-101	15.79
315	861-ISO-121	17.89
355	861-ISO-141	25.22
400	861-ISO-161	27.79



Connection to other materials

Connecting to metal pipe systems, particularly cast or ductile iron, requires care as the pipe diameters differ widely. We can advise on the selection of the correct flange components.

International Plastic Systems Limited

Terms and Conditions of Business

1 INTERPRETATION

- 1.1 In these Conditions the following expressions will have the following meanings unless inconsistent with the context:
Business Day: any day excluding Saturday, Sunday or a bank or public holiday in England
Contract: any contract between IPS and the Customer for the sale and purchase of the Goods formed in accordance with clause 3
Contract Price: the total value excluding VAT of the Goods specified in the Order Confirmation
Customer: the customer as stated on the Order Confirmation
Delivery Date: the date upon which the Goods are delivered to the Delivery Point
Delivery Note: the document accompanying the Goods on delivery and to be signed by the Customer or on behalf of the Customer to acknowledge receipt, whether or not such document is produced by IPS
Delivery Point: IPS's Premises or such other location as specified on an Order Confirmation at which delivery of the Goods is to take place
Due Date: the date by which payment of an invoice is due which shall be as specified by IPS, at IPS's discretion, either 30 days after the date of the invoice or prior to dispatch of the Goods
Fabricated and Custom Made Goods: Goods manufactured, fabricated or modified by IPS or on its behalf pursuant to designs, drawings or specifications provided by the Customer
Goods: the items purchased by the Customer from IPS as specified in an Order Confirmation
Intellectual Property Rights: all intellectual and industrial property rights including patents, know-how, registered trade marks, registered designs, utility models, applications for and rights to apply for any of the foregoing, unregistered design rights, unregistered trade marks, rights to prevent passing off for unfair competition and copyright, database rights, topography rights, domain names and any other rights in any invention, discovery or process, in each case in the United Kingdom and all other countries in the world and together with all renewals and extensions
IPS: International Plastic Systems Limited and where the context so admits, any reference to "IPS" shall include its employees, agents, subcontractors and other persons acting on behalf of IPS
IPS's Premises: Seaham Grange Industrial Estate, Seaham, Co. Durham SR7 0PT
Order: an order for Goods or acceptance of a quotation submitted by the Customer to IPS by email, fax, post or telephone
Order Confirmation: an order confirmation document sent by IPS to the Customer, agreeing to fulfil the Order.
1.2 Words in the singular include the plural and in the plural include the singular.
1.3 A reference to a person includes an incorporated or unincorporated body.
1.4 A reference to a statute or statutory provision is a reference to it as it is in force for the time being taking account of any amendment, extension, or re-enactment and includes any subordinate legislation for the time being in force made under it.
1.5 Unless the context otherwise requires, the words including and include and words of similar effect shall not be deemed to limit the general effect of the words which precede them.
1.6 The headings in the Contract are for ease of reference only and shall not affect its construction or interpretation.

2 GENERAL APPLICABILITY

- 2.1 The Contract shall be on these Conditions to the exclusion of all other terms and conditions (including any terms or conditions which the Customer purports to apply under any Order, confirmation of order, specification or other document).
2.2 These Conditions shall only be varied or amended where such variations or amendments have been confirmed in writing by IPS.

3 ACCEPTANCE OF ORDER

- 3.1 Each Order shall be deemed to be an offer by the Customer to buy the Goods subject to these Conditions.
3.2 The Customer shall ensure that the terms of its Order and any applicable specification are complete and accurate.
3.3 The Contract is formed when the Customer's Order is accepted by IPS, by way of a written or e-mailed Order Confirmation. In the absence of such Order Confirmation, delivery of the Goods will be deemed conclusive evidence of IPS's acceptance of the Customer's Order.
3.4 The Customer may not cancel the Contract once IPS has given its Order Confirmation.
3.5 Any quotation is valid for a period of 30 days only from its date (unless otherwise agreed by IPS in writing), provided that IPS has not previously withdrawn it. All quotations are made subject to the availability of products or materials.

4 THE GOODS

- 4.1 All samples, drawings, descriptive matter, illustrations, specifications and advertising issued by IPS (or the manufacturer of the Goods) and any descriptions or illustrations contained in IPS's catalogues, brochures and website are issued or published for the sole purpose of giving an approximate idea of the Goods represented or described in them. They will not form part of the Contract and this is not a sale by sample.
4.2 IPS may make changes to the specification, design, materials or finish of the Goods which:
4.2.1 - are required to conform with any applicable safety or other statutory or regulatory requirements; or
4.2.2 - do not materially affect their quality or performance.
4.3 Where a Customer orders goods or materials of a type, size or quality not produced by IPS in the ordinary course of business, IPS will use all reasonable endeavours to execute the Order. If it subsequently proves impossible, impracticable or uneconomical to carry out or complete the Order, IPS reserves the right to cancel the Contract or the incomplete balance thereof, in which event the Customer will only be liable to pay the Contract Price for such part of the Contract as has been performed (if any).

5 PRICES

- Unless otherwise expressly stated the Contract Price is exclusive of Value Added Tax and any other tax or duty relating to the performance of the Contract and does not include delivery costs, handling costs or insurance.

6 TERMS OF PAYMENT

- 6.1 The Contract Price is payable on or prior to the Due Date and time for payment is of the essence.
6.2 If the Customer fails to make payment to IPS by the Due Date then without prejudice to any other rights which IPS may have, IPS may without liability suspend future deliveries of Goods on the same Contract and on any other Contract for the Customer until such time as payment is made or satisfactory security for payments has been provided. IPS also reserves the right to charge interest on overdue accounts at the rate of 3% per annum over the Base Lending Rate of National Westminster Bank Limited from time to time. Such interest shall accrue on a daily basis from the Due Date until the date of actual payment of the overdue amount. Notwithstanding this clause 6.2 IPS may in the alternative claim interest at its discretion under the Late Payment of Commercial Debts (Interest) Act 1998.
6.3 All payments payable to IPS under the Contract shall become due immediately upon termination of the Contract despite any other provision.
6.4 The Customer shall make all payments due under the Contract without any deduction whether by way of set off, counter claim or otherwise unless the Customer has a valid court order requiring an amount equal to such deduction to be paid by IPS to the Customer.
6.5 IPS may deliver the Goods by separate instalments. Each separate instalment will be invoiced and paid for separately.

7 DELIVERY DATES

- 7.1 All Delivery Dates quoted or specified in the Contract are estimated only and, unless otherwise agreed by IPS in writing, time for delivery shall be of essence of the Contract. Lead times shall be computed from the date of IPS's despatch of the Order Confirmation.
7.2 Without prejudice to the generality of clause 7.1, IPS shall not be liable in any circumstances for delay caused by any act or omission of the Customer, including a failure to give detailed or adequate instructions, a failure to take delivery of the Goods when they are ready for delivery, variations requested by the Customer or delays on the part of the third parties supplying goods and/or materials to IPS (whether or not nominated by the Customer).

8 DELIVERY

- 8.1 Delivery will take place in one of the following ways as specified in the Order Confirmation and at the Customer's expense:
8.1.1 - the Customer will collect the Goods from the Delivery Point and risk in the Goods passes to the Customer upon signature of the Delivery Note by or on behalf of the Customer;
8.1.2 - the Goods are delivered by IPS to the Delivery Point and risk in the Goods passes upon signature of the Delivery Note by the Customer; or
8.1.3 - the Goods are delivered by a courier to the Delivery Point and risk in the Goods passes upon signature of the Delivery Note by the Customer.
8.2 Where goods are delivered by IPS it is done so on the understanding that the Delivery Point is accessible by metalled roads and that the Customer is responsible for off-loading and storage thereof.

9 IMPORT AND EXPORT LICENCES

- The Customer is responsible for obtaining, at its own cost, such import licences and other documents, licences and consents in relation to the Goods as are required from time to time and, if required by IPS, the Customer shall make those licences and consents available to IPS prior to despatch of the Goods.

10 ASSIGNMENT AND SUB-CONTRACTING

- The Customer may not assign or transfer or sub-contract any of its rights, benefits or obligations under the Contract without the prior written consent of IPS.

11 FORCE MAJEURE

- IPS will be deemed not to be in breach of the Contract or otherwise liable to the Customer in any manner whatsoever for any failure or delay in performing its obligations under the Contract due to circumstances beyond the reasonable control of IPS including acts of God, fire, governmental actions, war or national emergency, acts or threat of terrorism, protests, riot, civil commotion, fire, explosion, flood, epidemic, lock-outs, official or unofficial strikes or other labour disputes relating to a manufacturer or IPS, restraints or delays affecting carriers or inability or delay in obtaining supplies of adequate or suitable materials, inclement, or exceptional weather conditions, shortage of labour, materials, power or the Goods or in the case of Fabricated and Custom Made Goods, stocks or supplies necessary to manufacture such Fabricated and Custom Made Goods, or any other cause whatever beyond IPS's control or of an unexpected or exceptional nature. If the event in question continues for a continuous period in excess of 28 days, the Customer shall be entitled to give notice in writing to IPS to terminate the Contract. The notice to terminate must specify the termination date which must not be less than 14 days after the date on which the notice is served.

12 WARRANTY

- 12.1 IPS will, free of charge, within a period of 12 months from the date of delivery of Goods which are proved to the reasonable satisfaction of IPS to be defective due to defects in material, workmanship or design (other than a design made, furnished or specified by the Customer), repair, or at IPS's option, replace, such Goods. This obligation will not apply where:
12.1.1 - the Goods have been improperly altered in any way whatsoever, or have been subject to misuse or unauthorised repair;
12.1.2 - the Goods have been improperly installed or connected;
12.1.3 - any maintenance requirements or instructions as to storage relating to the Goods have not been complied with;
12.1.4 - the Customer has failed to notify IPS of any defect or suspected defect within 14 days of delivery where the defect should be apparent on reasonable inspection; or within 14 days of the cause coming to the knowledge of the Customer where the defect is not one which should be apparent on reasonable inspection, and in any event no later than 12 months from the date of delivery of the Goods.
12.2 Any Goods which have been replaced will belong to IPS. Any repaired or replacement Goods will have the benefit of the warranty in clause 12.1 for the unexpired portion of the 12 month period from the date of delivery of the original Goods.

- 12.3 In relation to Goods not manufactured by IPS (including parts and components supplied by others for Fabricated and Custom Made Goods) IPS shall, in so far as it is able to do so, transfer to the Customer the benefit of any express guarantee or warranty by the manufacturer or supplier of such Goods.
12.4 A claim in relation to any Goods in accordance with clauses 12.1 and 12.2 will not entitle a Customer to terminate the Contract or any part thereof or to refuse to take delivery of or pay for the Goods or any other goods (whether under the same or any other contract with IPS).
12.5 This clause sets out the entire liability of IPS to the Customer in respect of any defects in the Goods.

13 LIMITATION OF LIABILITY

- 13.1 Nothing in these Conditions excludes or limits the liability of IPS for death or personal injury caused by IPS's negligence, fraudulent misrepresentation or for any other matter for which it would be illegal for IPS to exclude or attempt to exclude its liability.
13.2 Subject to clause 13.1, IPS shall not be liable to the Customer for pure economic loss, loss of profit, loss of business, or depletion of goodwill howsoever arising in each case whether direct, indirect or consequential, or any claims for consequential loss whatsoever (howsoever caused including those caused by the negligence of IPS) which arise out of or in connection with the Contract.
13.3 Subject to clauses 13.1 and 13.2, IPS's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation or otherwise, arising in connection with the performance or contemplated performance of the Contract shall be limited to the lesser of the Contract Price or £1,000,000.
13.4 IPS hereby excludes to the fullest extent permissible in law all conditions, warranties and stipulations, express (other than those set out in the Contract) or implied, statutory, customary or otherwise which, but for such exclusion, would or might subsist in favour of the Customer.

14 RETURN OF UNUSED GOODS

- 14.1 Goods purchased from IPS may, at IPS's sole discretion, be accepted by IPS for return to stock subject to notice of the return being given to IPS, the Goods being returned to IPS's Premises within 7 Business Days of the Delivery Date, the Goods being in the opinion of IPS in "as new" condition and in original packaging, provided always that such Goods were originally purchased from IPS. This clause 14.1 shall not apply to Fabricated and Custom Made Goods.
14.2 IPS will issue credit in full for the proportion of the Contract Price to which the Goods returned relate (excluding any carriage or extra costs incurred by IPS in the return of the Goods).
14.3 In the event that the Goods to be returned are delivered to IPS after 7 days from the Delivery Date, IPS may, at its sole discretion, accept return of the Goods and reserve the right to apply a minimum handling charge of 15% to any credit issued. The Customer shall in all cases be obliged to provide full details of the Delivery Date and associated documentation.
14.4 In relation to clauses 14.1 and 14.3 the Customer shall bear the cost of physical delivery of the Goods to IPS's Premises. Risk and title to the Goods will pass to IPS upon the issue of a Returns Receipt Form by IPS to the Customer.
14.5 In all cases IPS reserves the right to refuse to re-purchase Goods.

15 LOSS OR DAMAGE IN TRANSIT

- 15.1 Risk of damage to or loss of the Goods will pass to the Customer upon delivery in accordance with clause 8.1.
15.2 Claims for any damage, shortage or loss in transit must be made by the Customer as soon as practicable and in any case in writing within 48 hours of the Customer signing the Delivery Note.

16 TITLE TO GOODS

- 16.1 Title to the Goods will not pass to the Customer until IPS has received in full (in cash or cleared funds) all sums due to it in respect of the Goods and all other sums which are or which become due to IPS from the Customer on any account. Until such time the Customer shall hold the Goods as bailee for IPS and shall store the Goods in such a way that they are separately identifiable from other goods of the Customer.
16.2 The Customer shall be entitled to use the Goods in the normal course of business or to resell the Goods to third parties in the normal course of business.
16.3 The Customer's rights under clause 16.2 regarding the Goods or any article manufactured from or incorporating the Goods will terminate immediately upon the occurrence of any of the circumstances set out in clause 17.1.
16.4 IPS will be entitled to recover payment for the Goods notwithstanding that title in any of the Goods has not passed from IPS.
16.5 Until title to the Goods has passed to the Customer in accordance with clause 16.1, the Customer grants IPS an irrevocable licence at any time to enter any premises where such Goods are or may be stored in order to inspect them, or, where the Customer's right to possession has terminated, to recover them.

17 TERMINATION

- 17.1 IPS may by notice in writing terminate the Contract immediately upon the happening of any one or more of the following events or where IPS reasonably anticipates that one of the more of the following events is about to occur:
17.1.1 - the Customer has a bankruptcy order made against him, becomes insolvent, or makes an arrangement or composition with his creditors, otherwise takes the benefit of any act for the time being in force for the relief of insolvent debtors, has a receiver appointed under the Mental Health Act 1983 or dies; or
17.1.2 - the Customer, being a body corporate convenes a meeting of creditors (whether formal or informal) or enters into liquidation (whether voluntary or compulsory) except a solvent voluntary liquidation for the purpose only of reconstruction or amalgamation, has a receiver, manager, administrator or administrative receiver appointed of its undertaking or any part thereof; or
17.1.3 - a resolution is passed or a petition presented to any court for the winding-up of the Customer or for the granting of an administration order in respect of the Customer; or
17.1.4 - the Customer has any disclaim, execution or other process levied or enforced on any of its property; or
17.1.5 - the Customer ceases to trade; or
17.1.6 - the Customer has a change in its senior management and/or control as defined by section 840 Income and Corporation Taxes Act 1988; or
17.1.7 - the Customer is in material breach of any of the terms of the Contract and, where the breach is capable of remedy, the Customer fails to remedy such breach within 14 days' service of a written notice from IPS, specifying the breach and requiring it to be remedied. For the avoidance of doubt, a failure to pay any sums due under the Contract on the Due Date shall be a material breach of the terms of the Contract which is not capable of remedy.
17.2 The termination of the Contract howsoever arising shall be without prejudice to the rights and duties of either the Customer or IPS accrued prior to termination and the clauses which expressly or impliedly have effect after termination will continue to be enforceable notwithstanding termination.

18 INTELLECTUAL PROPERTY RIGHTS

- 18.1 The Customer agrees to indemnify, keep indemnified and hold harmless IPS from and against all costs (including the costs of enforcement), expenses, liabilities, injuries, direct, indirect and consequential loss (all three of which terms include pure economic loss, loss of profits, loss of business, depletion of goodwill and like loss), damages, claims, demands, proceedings or legal costs (on a full indemnity basis) and judgments which IPS incurs or suffers as a consequence of or in connection with any claim made against IPS for actual or alleged infringement of a third party's Intellectual Property Rights arising out of or in connection with compliance by IPS with the Customer's instructions, including use of drawings, designs or specifications supplied by the Customer.
18.2 IPS gives no warranty and makes no representation that the manufacture, use, sale or supply of the Goods does not or will not infringe the rights of any third party or any other Intellectual Property Rights of any third party.

19 PRIVACY POLICY

- 19.1 Information provided by the Customer relating to individuals will be held by IPS in accordance with the Data Protection Act 1998 and added to IPS's marketing databases. It may be used for internal statistical analysis, to fulfil any requests from the Customer for further information and services and to contact the Customer by mail, telephone or (if the Customer gives IPS contact email address) electronic communication about other products or services offered by IPS. IPS may transfer the Customer's details to any successor to the business of IPS (or relevant part of it). This applies to all information that IPS holds about the Customer.
19.2 If the Customer does not wish to receive further information about products or services offered by IPS or if the Customer wishes to have access to, modify, correct or object to the further processing of information then the Customer should either write to the Sales Manager, IPS Flow Systems, Seaham Grange Industrial Estate, Seaham, Co Durham, SR7 0PT, England or send an email to info@ipsflowsystems.com

20 REMEDIES

- The rights and remedies provided under the Contract are in addition to, and not exclusive of, any rights or remedies provided by law.

21 NOTICES

- 21.1 Any notice or other communication to be given under the Contract shall be in writing and in the English language and may be delivered or sent by pre-paid first-class post, fax or electronic mail to the party to be served at the party's registered office or last-known trading address, fax number or e-mail address (as the case may be).
21.2 Any notice or document shall be deemed served:
21.2.1 - if delivered by hand, at the time of delivery;
21.2.2 - if posted, 48 hours after posting;
21.2.3 - if sent by fax, at the time of transmission printed on the transmission confirmation sheet; and
21.2.4 - if delivered by electronic mail, at the time of transmission provided that an automated bounce-back is not received; provided that, where in the case of delivery by hand, fax or electronic mail, such delivery or transmission occurs either after 4.00pm on a Business Day or on a day other than a Business Day, service will be deemed to occur at 9.00am on the next following Business Day.

22 SEVERANCE

- 22.1 If any provision of the Contract (or part of a provision) is found by any court or administrative body of competent jurisdiction to be invalid, unenforceable or illegal, the other provisions shall remain in force.
22.2 If any invalid, unenforceable or illegal provision would be valid, enforceable or legal if some part of it were deleted, the provision shall apply with the minimum modification necessary to make it legal, valid and enforceable.

23 WAIVER

- No failure or delay by a party to exercise any right or remedy provided under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor shall it preclude or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall preclude or restrict the further exercise of that or any other right or remedy.

24 RIGHTS OF THIRD PARTIES

- It is not intended that any of the terms of the Contract will be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person not a party to it.

25 APPLICABLE LAW

- The Contract shall in all respects be governed by and construed in accordance with the Laws of England and the Customer hereby agrees to submit to the exclusive jurisdiction of the English Courts.



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