

# 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 £13.50 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 using the IPS account application form. Download at [www.ips-blazemaster.com](http://www.ips-blazemaster.com). 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 9001-2008 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 9001-2008 accreditation, and is recognised as an Investor in People. IPS also operates an environmental management system that is accredited to ISO 14001:2004.

## 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,  
unique solutions"

## CPVC pipe and fittings

### Advantages

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.

CPVC Fire Sprinkler piping 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

CPVC fire sprinkler systems manufactured by Harvel Plastics, Inc., and 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

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.



## Pipe

3 Metre Lengths

Size		Code	SP	Price per length
Inch	mm			
3/4	20	CP-007-3	20	12.52
1	25	CP-010-3	20	20.10
1 1/4	32	CP-012-3	10	31.04
1 1/2	40	CP-015-3	10	42.79
2	50	CP-020-3	6	62.93
2 1/2	65	CP-025-3	3	100.44
3	80	CP-030-3	3	145.84

\*4.57m available to order - enquire for details



## fittings

### Socket

Socket x Socket

Size	Code	SP	Price
3/4	4229-007	25	1.50
1	4229-010	25	2.02
1 1/4	4229-012	10	3.05
1 1/2	4229-015	10	4.70
2	4229-020	20	6.39
2 1/2	4229-025	5	9.66
3	4229-030	5	12.50

### Reducing Socket

Socket x Socket

Size	Code	SP	Price
1 x 3/4	4229-131	15	2.09
1 1/4 x 3/4	4229-167	25	3.17
1 1/4 x 1	4229-168	10	3.17
1 1/2 x 3/4	4229-210	25	4.59
1 1/2 x 1	4229-211	10	4.59
1 1/2 x 1 1/4	4229-212	10	4.36
2 x 3/4	4229-248	10	6.21
2 x 1	4229-249	10	6.14
2 x 1 1/4	4229-250	10	6.14
2 x 1 1/2	4229-251	10	5.96
2 1/2 x 1 1/2	4229-291	10	9.18
2 1/2 x 2	4229-292	10	9.42

### Reducing Bush

Spigot x Socket

Size	Code	SP	Price
1 x 3/4	4237-131	50	1.21
1 1/4 x 3/4	4237-167	25	2.02
1 1/4 x 1	4237-168	25	1.95
1 1/2 x 3/4	4237-210	25	2.43
1 1/2 x 1	4237-211	25	2.34
1 1/2 x 1 1/4	4237-212	25	2.18
2 x 3/4	4237-248	10	3.38
2 x 1	4237-249	10	3.53
2 x 1 1/4	4237-250	10	3.49
2 x 1 1/2	4237-251	10	3.22
2 1/2 x 1 1/4	4237-290	10	6.05
2 1/2 x 1 1/2	4237-291	10	6.05
2 1/2 x 2	4237-292	15	5.48
3 x 2	4237-338	10	8.94
3 x 2 1/2	4237-339	10	8.31

### Elbow 90°

Socket x Socket

Size	Code	SP	Price
3/4	4206-007	30	1.55
1	4206-010	20	3.47
1 x 3/4	4206-131	20	3.32
1 1/4	4206-012	10	4.41
1 1/2	4206-015	10	6.15
2	4206-020	25	8.43
2 1/2	4206-025	5	16.11
3	4206-030	5	23.03

### Street Elbow 90°

Socket x Spigot

Size	Code	SP	Price
3/4	4209-007	50	3.32
1	4209-010	50	4.95
1 1/4	4209-012	25	7.90
1 1/2	4209-015	10	9.78
2	4209-020	25	14.97

### Side Outlet Elbow 90°

Socket x Socket x Socket

Size	Code	SP	Price
3/4	4213-007	50	4.97
1	4213-010	50	6.90

### Elbow 45°

Socket x Socket

Size	Code	SP	Price
3/4	4217-007	20	2.26
1	4217-010	15	2.58
1 1/4	4217-012	10	3.95
1 1/2	4217-015	10	5.48
2	4217-020	10	7.07
2 1/2	4217-025	5	12.88
3	4217-030	5	18.20

### Street Elbow 45°

Socket x Spigot

Size	Code	SP	Price
1	4227-010	50	2.59
1 1/4	4227-012	50	4.02
1 1/2	4227-015	25	5.50
2	4227-020	20	7.15

### Elbow 22 1/2°

Socket x Socket

Size	Code	SP	Price
3/4	4216-007	20	2.58
1	4216-010	20	3.38
1 1/4	4216-012	20	4.59
1 1/2	4216-015	20	6.28
2	4216-020	20	7.77
2 1/2	4216-025	5	16.92
3	4216-030	5	24.19

### Street Elbow 22 1/2°

Socket x Spigot

Size	Code	SP	Price
3/4	4242-007	50	2.67
1	4242-010	50	3.49
1 1/4	4242-012	20	4.83
1 1/2	4242-015	25	6.59
2	4242-020	20	8.31
2 1/2	4242-025	5	11.70
3	4242-030	5	15.96



## CPVC fittings



## Tee 90°

Socket x Socket x Socket

Size	Code	SP	Price
3/4	4201-007	20	2.20
1	4201-010	15	4.33
1 1/4	4201-012	10	6.46
1 1/2	4201-015	10	10.08
2	4201-020	10	14.95
2 1/2	4201-025	10	25.46
3	4201-030	5	32.37



## Street Tee 90°

Socket x Spigot x Socket

Size	Code	SP	Price
3/4	4244-007	15	3.71
1	4244-010	15	5.08
1 1/4	4244-012	10	9.05
1 1/2	4244-015	10	11.76
2	4244-020	10	17.57



## Reducing Tee 90°

Socket x Socket x Socket

Size	Code	SP	Price
3/4 x 3/4 x 1	4201-102	15	3.86
1 x 3/4 x 3/4	4201-125	15	3.71
1 x 3/4 x 1	4201-126	15	4.04
1 x 1 x 3/4	4201-131	20	3.71
1 1/4 x 1 x 3/4	4201-157	20	6.92
1 1/4 x 1 x 1	4201-158	15	6.77
1 1/4 x 1 x 1 1/4	4201-159	15	7.16
1 1/4 x 1 1/4 x 3/4	4201-167	15	6.70
1 1/4 x 1 1/4 x 1	4201-168	15	7.07
1 1/4 x 1 1/4 x 1 1/2	4201-169	10	8.71
1 1/2 x 1 1/4 x 3/4	4201-201	10	8.38
1 1/2 x 1 1/4 x 1	4201-202	10	8.47
1 1/2 x 1 1/2 x 3/4	4201-210	15	8.31
1 1/2 x 1 1/2 x 1	4201-211	10	8.15
1 1/2 x 1 1/2 x 1 1/4	4201-212	10	8.87
1 1/2 x 1 1/2 x 2	4201-213	10	13.52
2 x 2 x 3/4	4201-248	10	12.98
2 x 2 x 1	4201-249	10	13.20
2 x 2 x 1 1/4	4201-250	10	13.42
2 x 2 x 1 1/2	4201-251	10	13.88
2 1/2 x 2 1/2 x 1	4201-289	10	18.70
2 1/2 x 2 1/2 x 1 1/4	4201-290	10	19.17
2 1/2 x 2 1/2 x 1 1/2	4201-291	10	19.36
2 1/2 x 2 1/2 x 2	4201-292	10	19.36
3 x 3 x 1	4201-335	5	23.03
3 x 3 x 1 1/4	4201-336	5	23.03
3 x 3 x 1 1/2	4201-337	5	23.03
3 x 3 x 2	4201-338	5	23.03
3 x 3 x 2 1/2	4201-339	5	24.18

## Cross 90°

Socket x Socket x Socket x Socket

Size	Code	SP	Price
3/4	4220-007	20	3.17
1 x 3/4	4220-131	20	4.27
1	4220-010	15	4.04
1 1/4	4220-012	10	5.64
1 1/4 x 3/4	4220-167	25	6.59
1 1/2	4220-015	10	8.06
2	4220-020	8	12.88
2 1/2	4220-025	5	27.54
2 1/2 x 1	4220-289	15	19.30
3	4220-030	5	39.95



## Cap

Socket

Size	Code	SP	Price
3/4	4247-007	25	0.98
1	4247-010	25	1.37
1 1/4	4247-012	10	2.43
1 1/2	4247-015	10	3.17
2	4247-020	10	4.70
2 1/2	4247-025	5	7.07
3	4247-030	5	11.76



## Union

Socket x Socket

Size	Code	SP	Price
3/4	4257-007	10	4.70
1	4257-010	10	8.06
1 1/4	4257-012	5	10.50
1 1/2	4257-015	5	12.50
2	4257-020	5	20.46



## Transition Union

Socket x Metal NPT Female Thread

Size	Code	SP	Price
1	4259-010BR	10	21.56
1 1/4	4259-012BR	5	32.00
1 1/2	4259-015BR	5	44.13
2	4259-020BR	5	65.36



## Socket Flange

Socket - Drilled ASA 150

Size	Code	SP	Price
3/4	4251-007	25	3.86
1	4251-010	15	4.95
1 1/4	4251-012	15	6.28
1 1/2	4251-015	15	7.35
2	4251-020	10	11.52
2 1/2	4251-025	10	18.85
3	4254-030	10	23.20



## Spigot Flange

Spigot - Drilled ASA 150

Size	Code	SP	Price
3/4	4256-007	25	3.86
1	4256-010	15	5.48
1 1/4	4256-012	15	6.92
1 1/2	4256-015	15	7.99
2	4256-020	10	12.82
2 1/2	4256-025	10	20.62
3	4256-030	10	23.71



## Blind Flange

Drilled ASA 150

Size	Code	SP	Price
3/4	4253-007	25	3.80
1	4253-010	15	5.25
1 1/4	4253-012	15	6.54
1 1/2	4253-015	15	8.15
2	4253-020	10	12.34
2 1/2	4253-025	10	20.62
3	4253-030	10	22.40



## Flange Gasket

EPDM

Size	Code	SP	Price
3/4	863-ASA-007	1	2.47
1	863-ASA-010	1	2.95
1 1/4	863-ASA-012	1	3.52
1 1/2	863-ASA-015	1	4.17
2	863-ASA-020	1	5.12
2 1/2	863-ASA-025	1	7.06
3	863-ASA-030	1	7.22

## Free Estimating Software



- Installed cost estimating tool
- Works with MS Excel v5+
- Can be adjusted for labour rates
- Free on request or apply online at [www.ips-blazemaster.com](http://www.ips-blazemaster.com)

## adaptor fittings

### Grooved Coupling Adaptor

Socket x Brass Groove Joint

Size	Code	SP	Price
1 1/4	4233-012BR	10	27.32
1 1/2	4233-015BR	10	28.90
2	4233-020BR	10	33.46
2 1/2 x 73.0mm	4233-025BR	5	40.92
2 1/2 x 76.1mm	4233-025M	1	40.92
3	4233-030BR	5	57.70



**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	5.55
1	4235-010SR	25	9.61
1 1/4	4235-012SR	10	15.59

### Female Adaptor

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4	4235-007	15	7.59
1	4235-010	15	12.81
1 1/4	4235-012A	15	20.21
1 1/2	4235-015A	10	26.94
2	4235-020A	5	33.84

### Female Adaptor

Socket x Reinforced BSP Female Thread

Size	Code	SP	Price
3/4	4235-007SRBS	25	5.55
1	4235-010SRBS	25	9.61
1 1/4	4235-012SRBS	10	15.59
1 1/2	4235-015SRBS	10	26.94
2	4235-020SRBS	10	33.84

### Female Adaptor

Socket x Metal BSP Female Thread \*\*

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

### Male Adaptor

Socket x Metal NPT Male Thread

Size	Code	SP	Price
3/4	4236-007	40	9.21
1	4236-010	10	13.51
1 1/4	4236-012	10	20.69
1 1/2	4236-015	10	34.47
2	4236-020	5	39.12

### Male Adaptor

Socket x Metal BSP Male Thread

Size	Code	SP	Price
3/4	4236-007	40	9.21
1	4236-010BT	10	14.70
1 1/2	4236-015BT	10	36.70
2	4236-020BT	5	47.12

### Spigot Adaptor

Spigot x Metal NPT Female Thread

Size	Code	SP	Price
3/4	4278-007	15	7.91
1	4278-010	15	13.96

### Spigot Adaptor

Spigot x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4	4278-007SR	25	5.72
1	4278-010SR	50	10.19

### Adaptor Nipple

Grey CPVC - BSP Male x NPT Male Threaded \*\*

Size	Code	SP	Price
3/4	883-030C	1	3.88
1	884-030CNTBT	1	7.05
1 1/4	885-030CNTBT	1	7.51
1 1/2	886-030CNTBT	1	8.13
2	887-030CNTBT	1	10.00

\*\* 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	7.27

## 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.

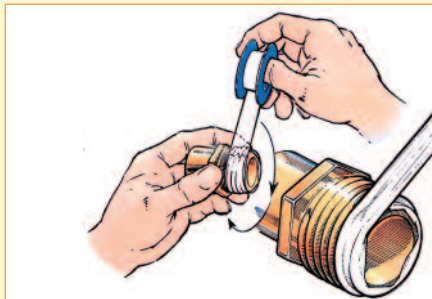
When using PTFE tape, follow the following guidelines:

- 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	24.80



### PTFE Tape

BS7786

Roll Size mm	Code	Price
12x12x0.075	767-120	1.05



## CPVC fittings

### 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	4.87
1 x 3/4 x 1/2	4202-124SR	50	5.38
1 x 1 x 1/2	4202-130SR	50	5.38
1 x 1 x 1	4202-010SR	15	12.97
1 1/4 x 1 x 1/2	4202-156SR	15	8.75
1 1/4 x 1 1/4 x 1/2	4202-166SR	15	8.86
1 1/4 x 1 1/4 x 1	4202-168SR	15	19.05
1 1/2 x 1 1/4 x 1/2	4202-199SR	10	11.54
1 1/2 x 1 1/2 x 1/2	4202-209SR	25	11.54
1 1/2 x 1 1/2 x 1	4202-211SR	10	11.79
2 x 1 1/2 x 1/2	4202-237SR	10	16.18
2 x 2 x 1/2	4202-247SR	10	16.26
2 1/2 x 2 1/2 x 1/2	4202-287SR	10	23.97

#### Sprinkler Tee 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 3/4 x 1/2*	4202-101	50	6.67
1 x 3/4 x 1/2	4202-124	50	7.24
1 x 1 x 1/2*	4202-130	50	7.24
1 x 1 x 1	4202-010	10	17.17
1 1/4 x 1 x 1/2	4202-156	15	11.62
1 1/4 x 1 1/4 x 1/2	4202-166	15	11.62
1 1/2 x 1 1/4 x 1/2	4202-199	10	15.15
1 1/2 x 1 1/2 x 1/2	4202-209	10	15.41
2 x 1 1/2 x 1/2	4202-237	10	21.22
2 x 2 x 1/2	4202-247	10	21.22

\* 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	5.82

#### Sprinkler Tee 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
1 x 1/2 x 1	4203-122A	50	11.29

#### Sprinkler Elbow 90°

Socket x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4207-101SR	20	3.37
1 x 1/2	4207-130SR	10	4.73
1 x 3/4	4207-131SR	50	5.48
1 1/4 x 1/2	4207-166SR	25	5.82

#### Sprinkler Elbow 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2*	4207-101	20	4.73
1 x 1/2*	4207-130	15	6.07
1 x 3/4	4207-131	25	7.59
1 1/4 x 1/2	4207-166	10	8.60

\* 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	4.57
1 x 1/2	W4235-130SR	50	4.99

#### Sprinkler Adaptor

Socket x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4235-101SR	25	3.47
1 x 1/2	4235-130SR	25	3.80
1 x 3/4	4235-131SR	10	5.82

#### Sprinkler Adaptor

Spigot x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4238-101SR	50	3.47
1 x 1/2	4238-130SR	50	3.71

#### Adjustable Sprinkler Adaptor

Socket x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	42001SR	10	9.29
1 x 1/2	42011SR	10	9.29

#### Adjustable Sprinkler Adaptor

Spigot x Reinforced NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	42004SR	10	9.29
1 x 1/2	42014SR	10	9.29

#### Test Plug

Red HDPE - for Standard Head Adaptors

Size	Code	SP	Price
1/2	FTP-005	50	4.33

### GripLoc™ Couplings

#### GripLoc™ Coupling

Stainless Steel Gripper Ring - EPDM O-Rings

Size	Code	SP	Price
3/4	GL4229-007	1	30.39
1	GL4229-010	1	32.66

For extension of existing systems

#### GripLoc™ Repair Coupling

Stainless Steel Gripper Ring - EPDM O-Rings

Size	Code	SP	Price
1	SG118-10CO	1	57.64

Expansion joint and repair coupling

NEW!



#### GripLoc™

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

## 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	6.25
1 x 1/2	4235-130GS	50	6.32
1 x 3/4	4235-131GS	50	9.31

### Sprinkler Adaptor

Spigot x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4238-101GS	50	4.16
1 x 1/2	4238-130GS	50	4.47

### Sprinkler Tee 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 3/4 x 1/2	4202-101GS	50	8.37
1 x 3/4 x 1/2	4202-124GS	50	8.94
1 x 1 x 1/2	4202-130GS	50	9.08
1 1/4 x 1 1/4 x 1/2	4202-166GS	15	12.12
1 1/2 x 1 1/2 x 1/2	4202-209GS	10	16.37
2 x 2 x 1/2	4202-247GS	10	22.12

### Sprinkler Elbow 90°

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4207-101GS	20	5.92
1 x 1/2	4207-130GS	15	7.61
1 1/4 x 1/2	4207-166GS	10	8.77

### Sprinkler Adaptor

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4235-101	50	4.99
1 x 1/2	4235-130	50	5.05
1 x 3/4	4235-131	50	7.91

### Sprinkler Adaptor

Socket x Metal NPT Female Thread

Size	Code	SP	Price
1 x 1/2	L4235-130A	50	3.80

Long Body

### Sprinkler Adaptor

Socket x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	R4235-101A	50	4.62

With Positioning Ring

### Sprinkler Adaptor

Spigot x Metal NPT Female Thread

Size	Code	SP	Price
3/4 x 1/2	4238-101	50	4.73
1 x 1/2	4238-130	50	5.05

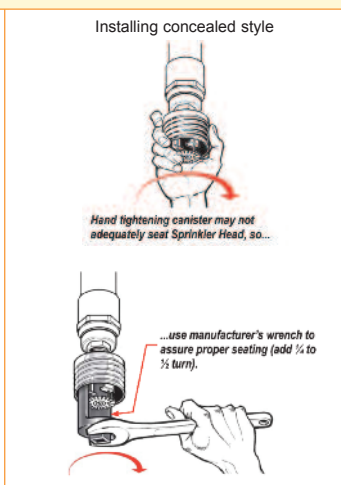
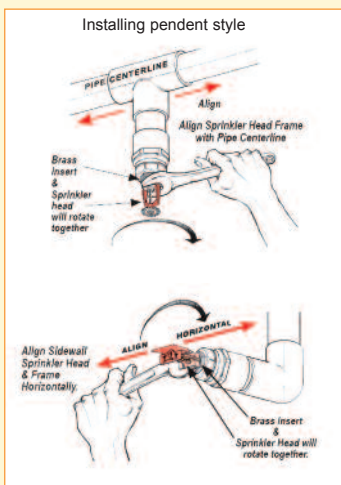
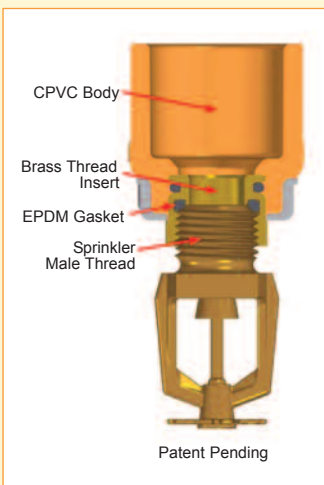
### Test Plug

PVC - For TorqueSafe™ Head Adaptors

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

## Torque Safe™ Sprinkler Adaptors

- Eliminates radial stress
- Prevents over tightening
- Requires no thread sealant
- Easy frame alignment



### 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



# Residential sprinkler heads

## sprinkler heads & accessories

### Pendent

V2732 V27 K4.9

Room Size	Code	SP	Price
up to 6.1m	S271KCQH4L	50	25.45

### Sidewall Pendent

V2738 V27 K4.2

Room Size	Code	SP	Price
up to 6.1x5.0m	S271LCQA41	50	25.55

### Concealed Pendent\*

V2736 V27 K4.9

Room Size	Code	SP	Price
up to 6.1m	S271NCQH1L	50	19.94

\* For use with domed cover

### Flush Pendent (Chrome)\*

V2902 V29 K4.1

Room Size	Code	SP	Price
up to 6.1m	S291MCQB20	50	36.85

\* Also available in white

### Concealed Adjustable Pendent\*

V3806 V38 K5.6

Room Size	Code	SP	Price
up to 6.1m	S381NCQ41L	50	19.94

\* For use with flat cover

### Dome Cover

To suit V2736

Colour	Code	SP	Price
White	S2706A0040	50	11.15

### Optional Chrome Cover\*

To suit V2902

Colour	Code	SP	Price
Chrome	SEF000020	50	15.63

\* Also available in white

### Flat Cover

To suit V3806

Colour	Code	SP	Price
White	S3806AS040	50	9.94

### Single Piece Rosette

Decorative cover for pendent and sidewall pendent

Colour	Code	SP	Price
White	SE2-100-0040	50	5.22

### 2 Part Rosette

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

Colour	Code	SP	Price
White	SE0-100-054B	50	6.02

## tools

### Open Ended Spanner

Model V27 to suit, V2732 and V2738

Size	Code	SP	Price
1/2	ST0-100-0000	1	23.89

### Concealed Wrench

Model V39 to suit V2736

Size	Code	SP	Price
1/2	ST6-2J0-0000	1	111.39

### Concealed Socket Wrench

Model V38-4 to suit V3806

Size	Code	SP	Price
1/2	ST2-1N0-0000	1	37.18

### Flush Wrench

Model V29 to suit V2902

Size	Code	SP	Price
1/2	ST5-1M0-0000	1	111.18

## 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

## 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	354.78
1 1/4	1119077*	1	373.21
1 1/2	1119087	1	430.77
2	1119097	1	483.80

\* 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	176.73

Installation Tee Fitting

Pipe Size	Code	SP	Price
1	4201-010	1	4.33
1 1/4	4201-168	1	7.07
1 1/2	4201-211	1	8.15
2	4201-249	1	13.20

Spigot Adaptor - Connects Flow Switch to Tee

Size	Code	SP	Price
One Size	5180203	1	17.69

### 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	284.44
1 1/2	25-250	RB-150MB-LPM2	1	336.49
1 1/2	40-400	RB-150MB-LPM3	1	336.49
2	25-250	RB-200MB-LPM2	1	349.79
2	40-400	RB-200MB-LPM3	1	349.79

### 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	453.78
1 1/2	25-250	RT-150MB-LPM2	1	505.84
1 1/2	40-400	RT-150MB-LPM3	1	505.84
2	25-250	RT-200MB-LPM2	1	519.11
2	40-400	RT-200MB-LPM3	1	519.11

### Flowmeter Accessories

Installation Tee Male BSP Threaded

Size	Flow Range l/min	Code	SP	Price
1	20-200	10MB1	1	59.08
1 1/2	25-250	15MB2	1	115.81
1 1/2	40-400	15MB3	1	115.81
2	25-250	20MB2	1	130.27
2	40-400	20MB3	1	130.27

Service Removal Plug\*

Size	Code	SP	Price
One Size	F-900K	1	8.57

\* 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.

# CPVC valves, clamps and hangers

## valves

### Ball Valve

Socket x Socket - For Residential Applications Only



Size	Code	SP	Price
1/2	6622-005CO	10	33.44
3/4	6622-007CO	10	44.48
1	6622-010CO	10	55.19

### Lockable Ball Valve

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



Size	Code	SP	Price
3/4	1822-007CFG	1	65.90
1	1822-010CFG	1	78.46
1 1/4	1822-012CFG	1	124.73
1 1/2	1822-015CFG	1	131.72
2	1822-020CFG	1	176.17

### Check Valve

Socket x Socket - For Residential Applications Only



Size	Code	SP	Price
1	S1520-10CO	20	42.14
1 1/4	S1520-12CO	12	47.10
1 1/2	S1520-15CO	12	52.96

NPT Threaded - For Residential Applications Only



Size	Code	SP	Price
1	S1520-10FSRSCO	20	45.65
1 1/4	S1520-12FSRSCO	12	52.70
1 1/2	S1520-15FSRSCO	12	62.51

### Pressure Gauge

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



Size	Code	SP	Price
1/4	GAUGE63	1	10.82

## pipe clamps

### Mupro Single Boss Clamp



	Clamping range		
Size	mm	Code	Price
3/4	26-30	151361	2.82
1	32-38	151362	2.98
1 1/4	40-46	151364	3.43
1 1/2	48-54	151365	4.04
2	60-66	151367	4.04
2 1/2	72-80	127261	6.21
3	88-92	127311	6.51

### Base Plate with Combi Nut



Size	Nut with Dual Thread	Code	Price
80x30x3	M8/M10	112397	1.52

### Threaded Rod



Size	Length	Code	Price
M8	1000	113639	1.58
M10	1000	113467	1.91

## hangers

### Fig 22 Strap Hanger

Zinc Plated Carbon Steel



Size	Code	SP	Price
3/4	22-007	100	1.07
1	22-010	100	1.10
1 1/4	22-012	100	1.20
1 1/2	22-015	100	1.29
2	22-020	100	1.50

### Fig 23 Strap Hanger

Zinc Plated Carbon Steel



Size	Code	SP	Price
3/4	23-007	100	1.16
1	23-010	100	1.18
1 1/4	23-012	100	1.29
1 1/2	23-015	100	1.35
2	23-020	100	1.59

### Fig 24 Side Hanger

Zinc Plated Carbon Steel



Size	Code	SP	Price
3/4	24-007	100	1.36
1	24-010	100	1.42
1 1/4	24-012	100	1.53
1 1/2	24-015	100	1.66
2	24-020	100	1.93

### Fig 200 Band Hanger

Zinc Plated Carbon Steel



Size	Code	SP	Price
3/4	200-007M	100	0.95
1	200-010M	100	0.99
1 1/4	200-012M	100	1.01
1 1/2	200-015M	100	1.10
2	200-020M	100	1.12
2 1/2	200-025M	100	2.44
3	200-030M	50	2.37

### Fig 25 Surge Restrainer

Zinc Plated Carbon Steel



Size	Code	SP	Price
One Size	25-007020	100	1.43

Requires Fig 200 Band Hanger (see picture)

### Offset Hanger

Zinc Plated Carbon Steel



Size	Code	SP	Price
1	514-010	100	3.37
1 1/4	514-012	100	3.56
1 1/2	514-015	100	3.89
2	514-020	100	4.16

## CPVC tools and accessories

## tools

## Quick Release Cutter



Pipe Size	Code	Price
3/4	04114	75.22
3/4 - 2	04124	128.95
3/4 - 3	04134	159.03

## Deburring Tools



Type	Size	Code	Price
DEB0	All	04434	9.22
DEB3	All	04437	21.12
DEB2	3/4 - 2	04436	29.21
DEB4	1 1/4 - 3	04430	100.15

## Strap Wrench

Coated Polyester Strap



Pipe Size	Code	Price
3/4 - 2	02248	51.43
3/4 - 3	02247	58.22

## Internal Pipe Cutter

Ideal for cutting sprinkler drop pipes



Pipe Size	Code	Price
min 3/4	04507	37.02
min 1 1/4	04505	37.02

## accessories

## Solvent Cement



Size	Code	SP	Price
Pint (473ml)	FS5-020	12	21.00

## 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	9.05

## Can-Mate Dauber



Size	Code	SP	Price
3/4 Dia*	CM-75	50	5.44
1 1/2 Dia**	CM-150	50	5.44

\* 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	1.05

Blue 75 Jointing Compound



Size	Code	SP	Price
1 Pint	768-301	12	24.80

## Intumescent Sealant

Firewise



Size	Code	SP	Price
300ml	TAC-300	12	8.72

## Groove Joint Lubricant

EZ Flush



Size	Code	SP	Price
1 Pint	87717	24	8.77

## Important Note - Training



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.





# FM approved pipe and electrofusion fittings



## PE100 FM Approved Pipe - PN12

6m Lengths \*

Pipe Size		Code	Price/m
DN	OD		
50	63	25 705 0063 11FM	9.55
65	75	25 705 0075 11FM	13.30
75	90	25 705 0090 11FM	19.08
100	110	25 705 0110 11FM	28.46
110	125	25 705 0125 11FM	36.63
125	140	25 705 0140 11FM	45.86
150	160	25 705 0160 11FM	60.34
165	180	25 705 0180 11FM	75.86
175	200	25 705 0200 11FM	111.61
200	225	25 705 0225 11FM	118.29
225	250	25 705 0250 11FM	146.26
250	280	25 705 0280 11FM	182.55
300	315	25 705 0315 11FM	231.82
350	355	25 705 0355 11FM	293.99
370	400	25 705 0400 11FM	372.43

\* 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	13.67
75	25 173 0075 11FM	19.49
90	25 173 0090 11FM	25.99
110	25 173 0110 11FM	31.25
125	25 173 0125 11FM	43.92
140	25 173 0140 11FM	49.46
160	25 173 0160 11FM	60.56
180	25 173 0180 11FM	86.87
200	25 173 0200 11FM	102.61
225	25 173 0225 11FM	132.17
250	25 173 0250 11FM	194.78
280	25 173 0280 11FM	263.19
315	25 173 0315 11FM	317.50
355	25 173 0355 11FM	580.43
400	25 173 0400 11FM	727.79



## Electrofusion Tee 90°

Fusion Spigot Branch

Size	Code	Price
63	25 176 0063 11FM	32.47
75	25 176 0075 11FM	45.70
90	25 176 0090 11FM	57.89
110	25 176 0110 11FM	92.76
125	25 176 0125 11FM	116.80
160	25 176 0160 11FM	216.35
180	25 176 0180 11FM	on application
225	25 176 0225 11FM	590.04



## Electrofusion Elbow 90°

Size	Code	Price
63	25 171 0063 11FM	32.47
75	25 171 0075 11FM	46.48
90	25 171 0090 11FM	57.89
110	25 171 0110 11FM	92.76
125	25 171 0125 11FM	116.80
160	25 171 0160 11FM	216.35
180	25 171 0180 11FM	on application
225	25 171 0225 11FM	590.04



## Electrofusion Elbow 45°

Size	Code	Price
63	25 170 0063 11FM	32.47
75	25 170 0075 11FM	46.48
90	25 170 0090 11FM	57.89
110	25 170 0110 11FM	92.84
125	25 170 0125 11FM	116.80
160	25 170 0160 11FM	216.35
180	25 170 0180 11FM	389.46
225	25 170 0225 11FM	590.04

## Electrofusion Reducer

Size	Code	Price
90x63	25 177 9063 11FM	43.63
110x63	25 177 1163 11FM	71.12
110x90	25 177 1190 11FM	71.12
125x90	25 177 1290 11FM	on application
160x90	25 177 1690 11FM	124.02
160x110	25 177 1611 11FM	127.18
180x125	25 177 1812 11FM	on application
225x160	25 177 2216 11FM	288.66



## 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	28.18
75	25 174 0075 11FM	44.56
90	25 174 0090 11FM	62.95
110	25 174 0110 11FM	80.78
125	25 174 0125 11FM	99.27
140	25 174 0140 11FM	130.29
160	25 174 0160 11FM	139.44
180	25 174 0180 11FM	183.10
200	25 174 0200 11FM	216.48
225	25 174 0225 11FM	255.19
250	25 174 0250 11FM	410.47
280	25 174 0280 11FM	563.98
315	25 174 0315 11FM	701.49





## Tee 90°

### Short Spigots

Size	Code	Price
63	25 006 0063 11FM	13.20
75	25 006 0075 11FM	26.56
90	25 006 0090 11FM	39.67
110	25 006 0110 11FM	58.27
125	25 006 0125 11FM	80.21
140	25 006 0140 11FM	101.65
160	25 006 0160 11FM	171.01
180	25 006 0180 11FM	219.13
200	25 006 0200 11FM	314.15
225	25 006 0225 11FM	373.52
250	25 006 0250 11FM	475.21
280	25 006 0280 11FM	640.12
315	25 006 0315 11FM	912.69
355	25 006 0355 11FM	1066.66
400	25 006 0400 11FM	1592.68

## Tee 90°

### Elongated

Size	Code	Price
63	25 066 0063 11FM	17.77
75	25 066 0075 11FM	29.52
90	25 066 0090 11FM	41.97
110	25 066 0110 11FM	61.41
125	25 066 0125 11FM	84.30
140	25 066 0140 11FM	135.48
160	25 066 0160 11FM	175.80
180	25 066 0180 11FM	230.69
200	25 066 0200 11FM	330.61
225	25 066 0225 11FM	392.74
250	25 066 0250 11FM	507.10
280	25 066 0280 11FM	758.31
315	25 066 0315 11FM	973.83

## Reducing Tee 90°

### Short Spigots

Size	Code	Price
125x63	25 016 1263 11FM	77.50
125x90	25 016 1290 11FM	77.50
140x63	25 016 1463 11FM	97.23
140x90	25 016 1490 11FM	98.82
140x110	25 016 1411 11FM	98.82
160x125	25 016 1612 11FM	163.96
180x63	25 016 1863 11FM	203.57
180x110	25 016 1811 11FM	203.57
180x125	25 016 1812 11FM	210.11
225x125	25 016 2212 11FM	354.47
250x110	25 016 2511 11FM	467.84
250x160	25 016 2516 11FM	477.50

## Reducing Tee 90°

### Elongated

Size	Code	Price
63x50	25 065 6350 11FM	18.55
90x63	25 065 9063 11FM	41.39
110x63	25 065 1163 11FM	61.38
110x90	25 065 1190 11FM	62.26
125x90	25 065 1290 11FM	85.38
125x110	25 065 1211 11FM	85.38
160x63	25 065 1663 11FM	167.84
160x90	25 065 1690 11FM	169.28
160x110	25 065 1611 11FM	173.54
180x90	25 065 1890 11FM	232.68
180x110	25 065 1811 11FM	227.12
180x160	25 065 1816 11FM	232.68
225x90	25 065 2290 11FM	393.37
225x110	25 065 2211 11FM	394.94
225x160	25 065 2216 11FM	396.36
225x180	25 065 2218 11FM	397.72
315x110	25 065 3111 11FM	1071.21
315x160	25 065 3116 11FM	1071.21
315x225	25 065 3122 11FM	1119.87
315x250	25 065 3125 11FM	1119.87

# FM approved fusion spigot fittings

## Reducer

### Concentric

Size	Code	Price
90x63	25 009 9063 11FM	21.59
110x63	25 009 1163 11FM	27.44
110x90	25 009 1190 11FM	27.44
125x63	25 009 1263 11FM	35.26
125x90	25 009 1290 11FM	35.26
125x110	25 009 1211 11FM	35.26
140x90	25 009 1490 11FM	42.67
140x110	25 009 1411 11FM	42.67
140x125	25 009 1412 11FM	49.89
160x90	25 009 1690 11FM	49.89
160x110	25 009 1611 11FM	49.89
160x125	25 009 1612 11FM	49.89
160x140	25 009 1614 11FM	49.89
180x90	25 009 1890 11FM	78.34
180x110	25 009 1811 11FM	73.76
180x125	25 009 1812 11FM	68.02
180x140	25 009 1814 11FM	64.58
180x160	25 009 1816 11FM	61.61
225x140	25 009 2214 11FM	210.82
225x160	25 009 2216 11FM	180.96
225x180	25 009 2218 11FM	172.31
250x160	25 009 2516 11FM	241.59
250x180	25 009 2518 11FM	223.55
250x225	25 009 2522 11FM	195.04
280x200	25 009 2820 11FM	281.46
280x225	25 009 2822 11FM	262.42
280x250	25 009 2825 11FM	252.67
315x225	25 009 3122 11FM	303.77
315x250	25 009 3125 11FM	277.67

## Reducer

### Concentric - Elongated

Size	Code	Price
90x63	25 067 9063 11FM	22.04
110x63	25 067 1163 11FM	29.66
110x90	25 067 1190 11FM	29.66
125x63	25 067 1263 11FM	35.61
125x90	25 067 1290 11FM	35.61
125x110	25 067 1211 11FM	35.66
140x125	25 067 1412 11FM	51.25
160x90	25 067 1690 11FM	68.42
160x110	25 067 1611 11FM	68.63
160x125	25 067 1612 11FM	68.63
160x140	25 067 1614 11FM	66.36
180x125	25 067 1812 11FM	88.93
180x160	25 067 1816 11FM	88.93
225x160	25 067 2216 11FM	156.77
250x160	25 067 2516 11FM	211.99
250x225	25 067 2522 11FM	221.75
280x250	25 067 2825 11FM	295.51
315x225	25 067 3122 11FM	380.21
315x250	25 067 3125 11FM	380.21

## Cap

### Elongated

Size	Code	Price
63	25 064 0063 11FM	13.17
75	25 064 0075 11FM	20.28
90	25 064 0090 11FM	30.95
110	25 064 0110 11FM	41.97
125	25 064 0125 11FM	45.34
140	25 064 0140 11FM	56.71
160	25 064 0160 11FM	63.55
180	25 064 0180 11FM	82.60
200	25 064 0200 11FM	103.40
225	25 064 0225 11FM	122.88
250	25 064 0250 11FM	184.08
280	25 064 0280 11FM	260.77
315	25 064 0315 11FM	351.59

## Cap

### Short Spigot

Size	Code	Price
355	25 004 0355 11FM	261.49
400	25 004 0400 11FM	351.59

# FM approved fusion spigot fittings

## Bend 90°

Short Spigots

Size	Code	Price
250	25 001 0250 11FM	350.98
280	25 001 0280 11FM	454.67
315	25 001 0315 11FM	629.98
355	25 001 0355 11FM	921.52
400	25 001 0400 11FM	1265.51



## Elbow 90°

Elongated

Size	Code	Price
250	25 061 0250 11FM	371.66
280	25 061 0280 11FM	559.62
315	25 061 0315 11FM	702.19



## Elbow 45°

Elongated

Size	Code	Price
63	25 060 0063 11FM	19.30
75	25 060 0075 11FM	24.91
90	25 060 0090 11FM	30.05
110	25 060 0110 11FM	57.62
125	25 060 0125 11FM	71.17
140	25 060 0140 11FM	93.11
160	25 060 0160 11FM	107.64
180	25 060 0180 11FM	117.82
200	25 060 0200 11FM	161.04
225	25 060 0225 11FM	191.89
250	25 060 0250 11FM	371.66
280	25 060 0280 11FM	559.60
315	25 060 0315 11FM	702.19



## Multi-Bend 90°

Elongated

Size	Code	Price
63	25 068 0063 11FM	11.66
75	25 068 0075 11FM	16.06
90	25 068 0090 11FM	23.32
110	25 068 0110 11FM	44.36
125	25 068 0125 11FM	62.50
140	25 068 0140 11FM	83.59
160	25 068 0160 11FM	101.84
180	25 068 0180 11FM	120.60
200	25 068 0200 11FM	179.69
225	25 068 0225 11FM	214.30



## 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	on application
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	83.86
110	25 397 0110 11FM	159.62
125	25 397 0125 11FM	on application
140	25 397 0140 11FM	on application
160	25 397 0160 11FM	236.74
180	25 397 0180 11FM	286.16
200	25 397 0200 11FM	on application
225	25 397 0225 11FM	366.61
250	25 397 0250 11FM	573.42
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	83.86
110	25 396 0110 11FM	159.62
125	25 396 0125 11FM	on application
140	25 396 0140 11FM	on application
160	25 396 0160 11FM	253.22
180	25 396 0180 11FM	286.16
200	25 396 0200 11FM	on application
225	25 396 0225 11FM	366.61
250	25 396 0250 11FM	557.33
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	83.86
110	25 395 0110 11FM	159.62
125	25 395 0125 11FM	on application
140	25 395 0140 11FM	on application
160	25 395 0160 11FM	236.74
180	25 395 0180 11FM	286.16
200	25 395 0200 11FM	on application
225	25 395 0225 11FM	366.61
250	25 395 0250 11FM	573.42
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	83.86
110	25 394 0110 11FM	159.62
125	25 394 0125 11FM	on application
140	25 394 0140 11FM	on application
160	25 394 0160 11FM	236.74
180	25 394 0180 11FM	286.16
200	25 394 0200 11FM	on application
225	25 394 0225 11FM	366.61
250	25 394 0250 11FM	573.42
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.

## Stub Flange

Short Spigots

Size	Code	Price
63	25 012 0063 11FM	7.73
75	25 012 0075 11FM	9.11
90	25 012 0090 11FM	13.07
110	25 012 0110 11FM	16.81
125	25 012 0125 11FM	20.28
140	25 012 0140 11FM	23.71
160	25 012 0160 11FM	29.88
180	25 012 0180 11FM	46.42
200	25 012 0200 11FM	51.09
225	25 012 0225 11FM	56.92
250	25 012 0250 11FM	86.38
280	25 012 0280 11FM	94.14
315	25 012 0315 11FM	111.21
355	25 012 0355 11FM	197.41
400	25 012 0400 11FM	388.90

## Stub Flange

Elongated

Size	Code	Price
63	25 062 0063 11FM	10.42
75	25 062 0075 11FM	13.53
90	25 062 0090 11FM	17.58
110	25 062 0110 11FM	22.44
125	25 062 0125 11FM	27.32
140	25 062 0140 11FM	35.24
160	25 062 0160 11FM	40.28
180	25 062 0180 11FM	62.05
200	25 062 0200 11FM	70.80
225	25 062 0225 11FM	76.23
250	25 062 0250 11FM	117.23
280	25 062 0280 11FM	176.98
315	25 062 0315 11FM	225.32

## 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	

## Backing Ring

Polypropylene with Steel Core

Size	Code	Price
63	14 014 0063 11	20.69
75	14 014 0075 11	22.97
90	14 014 0090 11	27.14
110	14 014 0110 11	32.26
125	14 014 0125 11	32.26
140	14 014 0140 11	49.69
160	14 014 0160 11	56.90
180	14 014 0180 11	56.90
200	14 014 0200 11	81.01
225	14 014 0225 11	81.01
250	14 014 0250 11	129.36
280	14 014 0280 11	129.36
315	14 014 0315 11	162.55
355	14 014 0355 11	342.39
400	14 014 0400 11	387.90

## Blind Flange

Polypropylene with steel insert

Size	Code	Price
63	14 045 0063 11	82.69
75	14 045 0075 11	96.77
90	14 045 0090 11	106.54
110	14 045 0110 11	145.43
125	14 045 0125 11	145.43
140	14 045 0140 11	178.72
160	14 045 0160 11	225.47
180	14 045 0180 11	225.47
200	14 045 0200 11	250.87
225	14 045 0225 11	250.87
250	14 045 0250 11	327.90
280	14 045 0280 11	327.90
315	14 045 0315 11	478.22
355	14 045 0355 11	933.91
400	14 045 0400 11	1067.32

## Stub Gasket

EPDM

Size	Code	Price
63	861-ISO-020	2.08
75	861-ISO-075	2.55
90	861-ISO-031	2.74
110	861-ISO-041	3.99
125	861-ISO-040	3.99
140	861-ISO-051	5.12
160	861-ISO-061	5.88
180	861-ISO-180	11.67
200	861-ISO-080	11.67
225	861-ISO-082	11.67
250	861-ISO-100	14.32
280	861-ISO-101	14.32
315	861-ISO-121	16.23
355	861-ISO-141	22.88
400	861-ISO-161	25.21



### 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.



## do's and don'ts

## do's and don'ts

**Do's**

- ✓ Read and follow the manufacturer's installation instructions at all times.
- ✓ Follow recommended safe work practices.
- ✓ Make certain that thread sealants, gasket lubricants, or fire stop materials are compatible with CPVC.
- ✓ If painting is required, use only water-based or latex paints
- ✓ Keep pipe and fittings in original packaging until needed.
- ✓ Cover pipe and fittings with an opaque tarpaulin if stored outdoors.
- ✓ Follow proper handling procedures.
- ✓ Use tools specifically designed for use with plastic pipe and fittings.
- ✓ Use the proper solvent cement and follow application instructions.
- ✓ Use a drop cloth to protect interior finishes.
- ✓ Cut the pipe ends square.
- ✓ Deburr and bevel the pipe end with a chamfering tool.
- ✓ Rotate the pipe/turn when bottoming pipe in fitting socket.
- ✓ Avoid puddling of cement in fittings and pipe.
- ✓ Make certain no solvent cement is on sprinkler head and adapter threads.
- ✓ Make certain that solvent cement does not run and plug the sprinkler head orifice.
- ✓ Follow the manufacturer's recommended cure times prior to pressure testing.
- ✓ Flush the entire system including drops to remove pipe shavings, dirt and debris left from installation.
- ✓ Fill lines slowly and bleed the air from the system prior to flushing and pressure testing.
- ✓ Support sprinkler head properly to prevent lift up of the head through the ceiling when activated.
- ✓ Keep threaded rod within 1.5mm of the pipe or use a surge arrestor fitting.
- ✓ Install CPVC fire sprinkler products in wet systems only.
- ✓ Allow for movement due to expansion and contraction.
- ✓ Renew your CPVC fire sprinkler products installation training every two years.

**Don'ts**

- ✗ Do not use edible oils as a gasket lubricant.
- ✗ Do not use petroleum or solvent-based sealants, lubricants, or fire-stop materials.
- ✗ Do not use anti-freeze solutions.
- ✗ Do not use PTFE tape and thread sealants on the same threaded joint.
- ✗ Do not install tape, insulated wire or cable in direct contact with CPVC.
- ✗ Do not use solvent cement that exceeds its shelf life or has become discoloured or gelled.
- ✗ Do not allow solvent cement to plug the sprinkler head orifice.
- ✗ Do not connect rigid metal couplers to CPVC grooved adapters.
- ✗ Do not thread, groove, or drill CPVC pipe.
- ✗ Do not use solvent cement near sources of heat, open flame, or when smoking.
- ✗ Do not pressure test until recommended cure times are met.
- ✗ Do not cut pipe with dull or broken cutting-tool blades.
- ✗ Do not use ratchet cutters below 10°C.
- ✗ Do not use CPVC pipe that has been stored outdoors, unprotected and is faded in colour.
- ✗ Do not allow threaded rod to come in contact with the pipe.
- ✗ Do not install CPVC fire sprinkler products in cold weather without allowing for expansion.

# 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 not 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 same 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 or 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 restraint, 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 a 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.



**IPS Flow Systems**

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