

ips

fire protection
piping systems



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"We promise you the best..."

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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 | BS9251-2021 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, 3 and 4 |
| 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

| Size | Size mm | Code | SP | Price per length |
|------|---------|----------|----|------------------|
| ¾ | 20 | CP-007-3 | 26 | 16.93 |
| 1 | 25 | CP-010-3 | 17 | 27.16 |
| 1¼ | 32 | CP-012-3 | 9 | 41.95 |
| 1½ | 40 | CP-015-3 | 7 | 57.82 |
| 2 | 50 | CP-020-3 | 5 | 85.05 |
| 2½ | 65 | CP-025-3 | 4 | 147.95 |
| 3 | 80 | CP-030-3 | 3 | 214.83 |

fittings

Socket

Socket x Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4229-007 | 25 | 2.22 |
| 1 | 4229-010 | 25 | 2.98 |
| 1¼ | 4229-012 | 10 | 4.50 |
| 1½ | 4229-015 | 10 | 6.94 |
| 2 | 4229-020 | 20 | 9.42 |
| 2½ | 4229-025 | 5 | 14.24 |
| 3 | 4229-030 | 5 | 18.44 |

Reducing Socket

Socket x Socket

| Size | Code | SP | Price |
|-------|----------|----|-------|
| 1x¾ | 4229-131 | 15 | 3.08 |
| 1¼x¾ | 4229-167 | 25 | 4.68 |
| 1¼x1 | 4229-168 | 10 | 4.68 |
| 1½x¾ | 4229-210 | 25 | 6.77 |
| 1½x1 | 4229-211 | 10 | 6.77 |
| 1½x1¼ | 4229-212 | 10 | 6.43 |
| 2x¾ | 4229-248 | 10 | 9.16 |
| 2x1 | 4229-249 | 10 | 9.06 |
| 2x1¼ | 4229-250 | 10 | 9.06 |
| 2x1½ | 4229-251 | 10 | 8.79 |
| 2½x1½ | 4229-291 | 10 | 13.54 |
| 2½x2 | 4229-292 | 10 | 13.89 |

Reducing Bush

Spigot x Socket

| Size | Code | SP | Price |
|-------|----------|----|-------|
| 1x¾ | 4237-131 | 50 | 1.78 |
| 1¼x¾ | 4237-167 | 25 | 2.98 |
| 1¼x1 | 4237-168 | 25 | 2.88 |
| 1½x¾ | 4237-210 | 25 | 3.58 |
| 1½x1 | 4237-211 | 25 | 3.45 |
| 1½x1¼ | 4237-212 | 25 | 3.22 |
| 2x¾ | 4237-248 | 10 | 5.00 |
| 2x1 | 4237-249 | 10 | 5.23 |
| 2x1¼ | 4237-250 | 10 | 4.76 |
| 2x1½ | 4237-251 | 10 | 4.75 |
| 2½x1¼ | 4237-290 | 10 | 8.92 |
| 2½x1½ | 4237-291 | 10 | 8.92 |
| 2½x2 | 4237-292 | 15 | 8.08 |
| 3x2 | 4237-338 | 10 | 13.19 |
| 3x2½ | 4237-339 | 0 | 12.26 |

Elbow 90°

Socket x Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4206-007 | 30 | 2.29 |
| 1 | 4206-010 | 20 | 5.11 |
| 1x¾ | 4206-131 | 20 | 6.54 |
| 1¼ | 4206-012 | 10 | 6.50 |
| 1½ | 4206-015 | 10 | 9.07 |
| 2 | 4206-020 | 25 | 12.43 |
| 2½ | 4206-025 | 5 | 23.76 |
| 3 | 4206-030 | 5 | 33.96 |

Street Elbow 90°

Socket x Spigot

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4209-007 | 50 | 5.63 |
| 1 | 4209-010 | 50 | 8.24 |
| 1¼ | 4209-012 | 25 | 13.68 |
| 1½ | 4209-015 | 10 | 16.63 |
| 2 | 4209-020 | 25 | 24.44 |

Side Outlet Elbow 90°

Socket x Socket x Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4213-007 | 50 | 7.33 |
| 1 | 4213-010 | 50 | 10.18 |

Elbow 45°

Socket x Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4217-007 | 20 | 3.33 |
| 1 | 4217-010 | 15 | 3.81 |
| 1¼ | 4217-012 | 10 | 5.84 |
| 1½ | 4217-015 | 10 | 8.08 |
| 2 | 4217-020 | 10 | 10.42 |
| 2½ | 4217-025 | 5 | 18.99 |
| 3 | 4217-030 | 5 | 26.84 |

Street Elbow 45°

Socket x Spigot

| Size | Code | SP | Price |
|------|----------|----|-------|
| 1 | 4227-010 | 50 | 4.85 |
| 1¼ | 4227-012 | 50 | 6.28 |
| 1½ | 4227-015 | 25 | 8.40 |
| 2 | 4227-020 | 50 | 12.25 |

Elbow 22½°

Socket x Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4216-007 | 20 | 3.81 |
| 1 | 4216-010 | 20 | 5.00 |
| 1¼ | 4216-012 | 20 | 6.77 |
| 1½ | 4216-015 | 20 | 9.25 |
| 2 | 4216-020 | 20 | 11.46 |
| 2½ | 4216-025 | 5 | 42.72 |
| 3 | 4216-030 | 5 | 54.14 |

Street Elbow 22½°

Socket x Spigot

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4242-007 | 50 | 8.97 |
| 1 | 4242-010 | 50 | 11.57 |
| 1¼ | 4242-012 | 20 | 15.73 |
| 1½ | 4242-015 | 25 | 21.55 |
| 2 | 4242-020 | 20 | 26.67 |
| 2½ | 4242-025 | 5 | 37.37 |
| 3 | 4242-030 | 5 | 23.54 |



Tee 90°

Socket x Socket x Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4201-007 | 20 | 3.25 |
| 1 | 4201-010 | 15 | 6.39 |
| 1¼ | 4201-012 | 10 | 9.52 |
| 1½ | 4201-015 | 10 | 14.86 |
| 2 | 4201-020 | 10 | 22.06 |
| 2½ | 4201-025 | 10 | 37.54 |
| 3 | 4201-030 | 5 | 47.73 |



Street Tee 90°

Spigot x Socket x Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4244-007 | 15 | 6.34 |
| 1 | 4244-010 | 15 | 8.50 |
| 1¼ | 4244-012 | 10 | 15.38 |
| 1½ | 4244-015 | 10 | 18.19 |
| 2 | 4244-020 | 10 | 26.63 |



Reducing Tee 90°

Socket x Socket x Socket

| Size | Code | SP | Price |
|----------|----------|----|-------|
| ¾x¾x1 | 4201-102 | 15 | 5.68 |
| 1x¾x¾ | 4201-125 | 15 | 5.50 |
| 1x¾x1 | 4201-126 | 15 | 5.94 |
| 1x1x¾ | 4201-131 | 20 | 5.68 |
| 1¼x1x¾ | 4201-157 | 20 | 10.20 |
| 1¼x1x1 | 4201-158 | 15 | 10.42 |
| 1¼x1x1¼ | 4201-159 | 15 | 10.58 |
| 1¼x1¼x¾ | 4201-167 | 15 | 10.42 |
| 1¼x1¼x1 | 4201-168 | 15 | 10.42 |
| 1¼x1¼x1½ | 4201-169 | 10 | 12.85 |
| 1½x1¼x¾ | 4201-201 | 10 | 12.36 |
| 1½x1¼x1 | 4201-202 | 10 | 12.49 |
| 1½x1½x¾ | 4201-210 | 15 | 12.48 |
| 1½x1½x1 | 4201-211 | 10 | 12.48 |
| 1½x1½x1¼ | 4201-212 | 10 | 13.07 |
| 1½x1½x2 | 4201-213 | 10 | 21.07 |
| 2x2x¾ | 4201-248 | 10 | 21.41 |
| 2x2x1 | 4201-249 | 10 | 21.41 |
| 2x2x1¼ | 4201-250 | 10 | 21.41 |
| 2x2x1½ | 4201-251 | 10 | 20.46 |
| 2½x2½x1 | 4201-289 | 10 | 27.58 |
| 2½x2½x1¼ | 4201-290 | 10 | 28.28 |
| 2½x2½x1½ | 4201-291 | 10 | 28.56 |
| 2½x2½x2 | 4201-292 | 10 | 28.56 |
| 3x3x1 | 4201-335 | 5 | 33.96 |
| 3x3x1¼ | 4201-336 | 5 | 33.96 |
| 3x3x1½ | 4201-337 | 5 | 33.96 |
| 3x3x2 | 4201-338 | 5 | 33.96 |
| 3x3x2½ | 4201-339 | 5 | 35.66 |

Cross 90°

Socket x Socket x Socket x Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4220-007 | 20 | 5.57 |
| 1x¾ | 4220-131 | 20 | 7.49 |
| 1 | 4220-010 | 15 | 6.97 |
| 1¼ | 4220-012 | 10 | 9.66 |
| 1¼x¾ | 4220-167 | 25 | 9.72 |
| 1½ | 4220-015 | 10 | 12.30 |
| 2 | 4220-020 | 8 | 20.02 |
| 2½ | 4220-025 | 5 | 47.17 |
| 2½x1 | 4220-289 | 15 | 33.92 |
| 3 | 4220-030 | 5 | 68.43 |

Cap

Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4247-007 | 25 | 1.45 |
| 1 | 4247-010 | 25 | 2.02 |
| 1¼ | 4247-012 | 10 | 3.58 |
| 1½ | 4247-015 | 10 | 4.68 |
| 2 | 4247-020 | 10 | 6.94 |
| 2½ | 4247-025 | 5 | 10.42 |
| 3 | 4247-030 | 5 | 17.34 |



Union

Socket x Socket

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4257-007 | 10 | 6.94 |
| 1 | 4257-010 | 10 | 11.88 |
| 1¼ | 4257-012 | 5 | 15.49 |
| 1½ | 4257-015 | 5 | 18.44 |
| 2 | 4257-020 | 5 | 30.16 |



Transition Union

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|------|------------|----|--------|
| 1 | 4259-010BR | 10 | 35.64 |
| 1¼ | 4259-012BR | 5 | 52.24 |
| 1½ | 4259-015BR | 5 | 74.21 |
| 2 | 4259-020BR | 5 | 109.46 |

Socket Flange

Socket - Drilled ASA 150

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4251-007 | 25 | 5.68 |
| 1 | 4251-010 | 15 | 7.30 |
| 1¼ | 4251-012 | 15 | 9.25 |
| 1½ | 4251-015 | 15 | 10.86 |
| 2 | 4251-020 | 10 | 17.01 |
| 2½ | 4251-025 | 10 | 27.79 |
| 3 | 4254-030 | 10 | 34.21 |

Spigot Flange

Spigot - Drilled ASA 150

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4256-007 | 25 | 5.68 |
| 1 | 4256-010 | 15 | 8.08 |
| 1¼ | 4256-012 | 15 | 10.20 |
| 1½ | 4256-015 | 15 | 11.78 |
| 2 | 4256-020 | 10 | 18.90 |
| 2½ | 4256-025 | 10 | 30.41 |
| 3 | 4256-030 | 10 | 34.98 |

Blind Flange

Drilled ASA 150

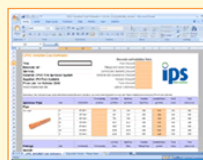
| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4253-007 | 25 | 12.41 |
| 1 | 4253-010 | 15 | 9.77 |
| 1¼ | 4253-012 | 15 | 9.65 |
| 1½ | 4253-015 | 15 | 12.02 |
| 2 | 4253-020 | 10 | 18.20 |
| 2½ | 4253-025 | 10 | 30.41 |
| 3 | 4253-030 | 10 | 33.05 |

Flange Gasket

EPDM

| Size | Code | SP | Price |
|------|-------------|----|-------|
| ¾ | 863-ASA-007 | 1 | 2.97 |
| 1 | 863-ASA-010 | 1 | 3.55 |
| 1¼ | 863-ASA-012 | 1 | 4.24 |
| 1½ | 863-ASA-015 | 1 | 5.02 |
| 2 | 863-ASA-020 | 1 | 6.17 |
| 3 | 863-ASA-030 | 1 | 8.69 |

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

FlameGuard™ fittings

adaptor fittings

Grooved Coupling Adaptor

Socket x Brass Groove Joint

| Size | Code | SP | Price |
|------|------------|----|-------|
| 1¼ | 4233-012BR | 10 | 46.84 |
| 1½ | 4233-015BR | 10 | 49.50 |
| 2 | 4233-020BR | 10 | 55.28 |
| 2½ | 4233-025BR | 5 | 70.08 |
| 2½ | 4233-025M | 1 | 70.09 |
| 3 | 4233-030BR | 5 | 92.20 |

Female Adaptor

Socket x Reinforced NPT Female Thread

| Size | Code | SP | Price |
|------|------------|----|-------|
| ¾ | 4235-007SR | 25 | 8.19 |
| ¾x½ | 4235-101SR | 25 | 5.11 |
| 1¼ | 4235-012SR | 10 | 22.99 |

Female Adaptor

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|------|-----------|----|-------|
| ¾ | 4235-007 | 15 | 11.19 |
| 1 | 4235-010 | 15 | 18.89 |
| 1¼ | 4235-012A | 15 | 29.80 |
| 1½ | 4235-015A | 10 | 39.73 |
| 2 | 4235-020A | 5 | 59.41 |

Female Adaptor

Socket x Reinforced BSP Female Thread

| Size | Code | SP | Price |
|------|--------------|----|-------|
| ¾ | 4235-007SRBS | 25 | 10.79 |
| 1 | 4235-010SRBS | 25 | 17.89 |
| 1¼ | 4235-012SRBS | 10 | 28.73 |
| 1½ | 4235-015SRBS | 10 | 39.73 |
| 2 | 4235-020SRBS | 10 | 61.79 |

Female Adaptor

Socket x Metal BSP Female Thread **

| Size | Code | SP | Price |
|------|------------|----|----------------|
| 1½ | 4235-015BS | | on application |
| 2 | 4235-020BS | | on application |

Male Adaptor

Socket x Metal NPT Male Thread

| Size | Code | SP | Price |
|------|----------|----|--------|
| ¾ | 4236-007 | 40 | 13.58 |
| 1 | 4236-010 | 10 | 19.93 |
| 1¼ | 4236-012 | 10 | 30.51 |
| 1½ | 4236-015 | 10 | 79.54 |
| 2 | 4236-020 | 5 | 122.38 |

Male Adaptor

Socket x Metal BSP Male Thread

| Size | Code | SP | Price |
|------|------------|----|--------|
| ¾ | 4236-007 | 40 | 13.58 |
| 1 | 4236-010BT | 10 | 21.68 |
| 1¼ | 4236-012BT | 10 | 38.86 |
| 1½ | 4236-015BT | 10 | 83.91 |
| 2 | 4236-020BT | 5 | 122.38 |

Spigot Adaptor

Spigot x Metal NPT Female Thread

| Size | Code | SP | Price |
|------|----------|----|-------|
| ¾ | 4278-007 | 15 | 11.68 |
| 1 | 4278-010 | 15 | 20.59 |

Spigot Adaptor

Spigot x Reinforced NPT Female Thread

| Size | Code | SP | Price |
|------|------------|----|-------|
| ¾ | 4278-007SR | 25 | 8.44 |
| 1 | 4278-010SR | 50 | 15.03 |

Adaptor Nipple

Grey CPVC - BSP Male x NPT Male Threaded **

| Size | Code | SP | Price |
|------|--------------|----|-------|
| ¾ | 883-030C | 1 | 6.52 |
| 1 | 884-030CNTBT | 1 | 14.32 |
| 1¼ | 885-030CNTBT | 1 | 15.24 |
| 1½ | 886-030CNTBT | 1 | 16.36 |
| 2 | 887-030CNTBT | 1 | 19.16 |

** Not listed by LPCB, UL or FM

Reducing Bush

Spigot x Metal NPT Female Thread

| Size | Code | SP | Price |
|------|------------|----|-------|
| 1x½ | 4238-130BR | 50 | 10.72 |

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 1½ to 2 turns
- Do not overtighten



Blue 75

| Size | Code | Price |
|--------|---------|-------|
| 1 Pint | 768-301 | 34.49 |



PTFE Tape

BS7786

| Size | Code | Price |
|------------|---------|-------|
| 2x12x0.075 | 767-120 | 1.33 |



sprinkler adaptor fittings

Sprinkler Tee 90°

Socket x Reinforced NPT Female Thread

| Size | Code | SP | Price |
|---------|------------|----|-------|
| ¾x¾x½ | 4202-101SR | 50 | 8.99 |
| 1x¾x½ | 4202-124SR | 50 | 7.93 |
| 1x1x½ | 4202-130SR | 50 | 7.93 |
| 1x1x1 | 4202-010SR | 15 | 19.13 |
| 1¼x1x½ | 4202-156SR | 15 | 12.91 |
| 1¼x1¼x½ | 4202-166SR | 15 | 13.06 |
| 1¼x1¼x1 | 4202-168SR | 15 | 28.09 |
| 1½x1¼x½ | 4202-199SR | 10 | 17.03 |
| 1½x1½x½ | 4202-209SR | 25 | 17.03 |
| 1½x1½x1 | 4202-211SR | 10 | 17.39 |
| 2x1½x½ | 4202-237SR | 10 | 23.86 |
| 2x2x½ | 4202-247SR | 10 | 23.97 |
| 2½x2½x½ | 4202-287SR | 10 | 35.35 |

Sprinkler Tee 90°

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|---------|----------|----|-------|
| *¾x¾x½ | 4202-101 | 50 | 9.84 |
| 1x¾x½ | 4202-124 | 50 | 11.88 |
| *1x1x½ | 4202-130 | 50 | 10.67 |
| 1x1x1 | 4202-010 | 10 | 25.32 |
| 1¼x1x½ | 4202-156 | 15 | 17.13 |
| 1¼x1¼x½ | 4202-166 | 15 | 17.13 |
| 1½x1¼x½ | 4202-199 | 10 | 22.36 |
| 1½x1½x½ | 4202-209 | 10 | 22.72 |
| 2x1½x½ | 4202-237 | 10 | 31.29 |
| 2x2x½ | 4202-247 | 10 | 31.29 |

* Also available with TorqueSafe™ connection

Sprinkler Tee 90°

Socket x Reinforced NPT Female Thread

| Size | Code | SP | Price |
|------|------------|----|-------|
| 1x½ | 4203-122SR | 50 | 16.64 |

Sprinkler Tee 90°

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|-------|-----------|----|-------|
| 1x½x1 | 4203-122A | 50 | 16.63 |

Sprinkler Elbow 90°

Socket x Reinforced NPT Female Thread

| Size | Code | SP | Price |
|--------|------------|----|-------|
| ¾x½ | 4207-101SR | 20 | 5.71 |
| 1x½x90 | 4207-130SR | 10 | 6.98 |
| 1x¾ | 4207-131SR | 50 | 8.08 |
| 1¼x½ | 4207-166SR | 25 | 8.59 |

Sprinkler Elbow 90°

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|------|----------|----|-------|
| *¾x½ | 4207-101 | 20 | 6.98 |
| *1x½ | 4207-130 | 15 | 8.95 |
| 1x¾ | 4207-131 | 25 | 11.19 |
| 1¼x½ | 4207-166 | 10 | 12.68 |

* 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 |
|------|-------------|----|-------|
| ¾x½ | W4235-101SR | 50 | 6.74 |
| 1x½ | W4235-130SR | 50 | 7.36 |

Sprinkler Adaptor

Socket x Reinforced NPT Female Thread

| Size | Code | SP | Price |
|------|------------|----|-------|
| ¾x½ | 4235-101SR | 25 | 5.11 |
| 1x½ | 4235-130SR | 25 | 5.60 |
| 1x¾ | 4235-131SR | 10 | 8.59 |

Sprinkler Adaptor

Spigot x Reinforced NPT Female Thread

| Size | Code | SP | Price |
|------|------------|----|-------|
| ¾x½ | 4238-101SR | 50 | 5.11 |
| 1x½ | 4238-130SR | 50 | 5.50 |

Adjustable Sprinkler Adaptor

Socket x Reinforced NPT Female Thread

| Size | Code | SP | Price |
|------|---------|----|-------|
| ¾x½ | 42001SR | 10 | 19.51 |
| 1x½ | 42011SR | 10 | 26.10 |

Adjustable Sprinkler Adaptor

Spigot x Reinforced NPT Female Thread

| Size | Code | SP | Price |
|------|---------|----|-------|
| ¾x½ | 42004SR | 10 | 19.51 |
| 1x½ | 42014SR | 10 | 26.10 |

Test Plug

Red HDPE - for Standard Head Adaptors

| Size | Code | SP | Price |
|------|---------|----|-------|
| ½ | FTP-005 | 50 | 7.83 |

GripLoc™ Couplings

For quick repairs

GripLoc™ Coupling

Stainless Steel Gripper Ring - EPDM O-Rings

| Size | Code | SP | Price |
|------|------------|----|-------|
| ¾ | GL4229-007 | 1 | 44.83 |
| 1 | GL4229-010 | 1 | 48.15 |

For extension of existing systems

GripLoc™ Repair Coupling

Stainless Steel Gripper Ring - EPDM O-Rings

| Size | Code | SP | Price |
|------|------------|----|-------|
| 1 | SG118-10CO | 1 | 85.01 |

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 |
|---------|------------|----|-------|
| 3/4x1/2 | 4235-101GS | 50 | 9.21 |
| 1x1/2 | 4235-130GS | 50 | 9.33 |
| 1.1/4 | 4235-131GS | 50 | 13.73 |



Sprinkler Adaptor

| Size | Code | SP | Price |
|---------|------------|----|-------|
| 3/4x1/2 | 4238-101GS | 50 | 6.14 |
| 1x1/2 | 4238-130GS | 50 | 6.59 |



Sprinkler Tee 90°

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|-----------------|------------|----|-------|
| 3/4x3/4x1/2 | 4202-101GS | 50 | 12.34 |
| 1x3/4x1/2 | 4202-124GS | 50 | 13.19 |
| 1x1x1/2 | 4202-130GS | 50 | 13.40 |
| 1.1/4x1.1/4x1/2 | 4202-166GS | 15 | 17.89 |
| 1.1/2x1.1/2x1/2 | 4202-209GS | 10 | 24.14 |
| 2x2x1/2 | 4202-247GS | 10 | 32.62 |



Sprinkler Elbow 90°

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|-----------|------------|----|-------|
| 3/4x1/2 | 4207-101GS | 20 | 8.74 |
| 1x1/2 | 4207-130GS | 15 | 11.22 |
| 1.1/4x1/2 | 4207-166GS | 10 | 12.93 |



Sprinkler Adaptor

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|---------|----------|----|-------|
| 3/4x1/2 | 4235-101 | 50 | 7.36 |
| 1x1/2 | 4235-130 | 50 | 7.44 |
| 1x3/4 | 4235-131 | 50 | 11.68 |



Sprinkler Adaptor

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|-------|------------|----|-------|
| 1x1/2 | L4235-130A | 50 | 9.04 |

Long Body



Sprinkler Adaptor

Socket x Metal NPT Female Thread

| Size | Code | SP | Price |
|---------|------------|----|-------|
| 3/4x1/2 | R4235-101A | 50 | 7.86 |

With Positioning Ring



Sprinkler Adaptor

Spigot x Metal NPT Female Thread

| Size | Code | SP | Price |
|---------|----------|----|-------|
| 3/4x1/2 | 4238-101 | 50 | 6.98 |
| 1x1/2 | 4238-130 | 50 | 7.44 |



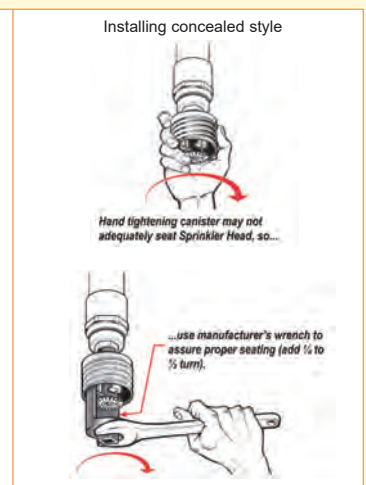
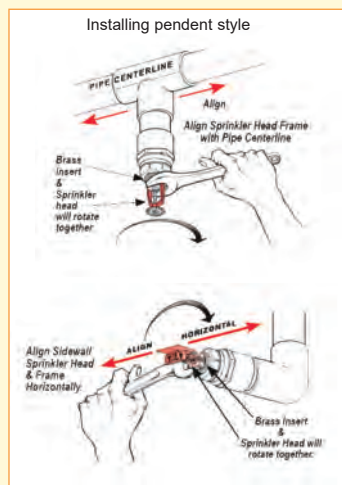
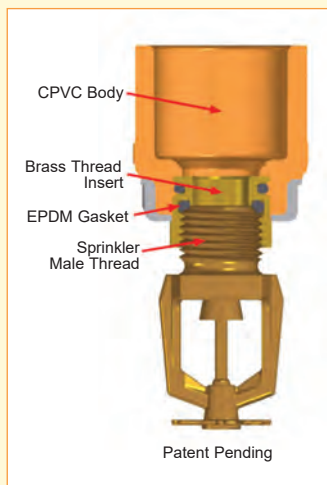
Test Plug

PVC - For TorqueSafe™ Head Adaptors

| Size | Code | SP | Price |
|------|-----------|----|-------|
| 1/2 | FTP-005GS | 50 | 8.22 |

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

Residential sprinkler heads

sprinkler heads & accessories

Pendent

V2732 V27 K4.9

| Room Size | Code | SP | Price |
|------------|------------|----|-------|
| up to 6.1m | S271KCQH40 | 50 | 39.21 |

Sidewall Pendent

V2738 V27 K4.2

| Room Size | Code | SP | Price |
|----------------|------------|----|-------|
| up to 6.1x5.0m | S271LCQA41 | 50 | 37.95 |

Concealed Pendent*

V2736 V27 K4.9

| Room Size | Code | SP | Price |
|------------|------------|----|-------|
| up to 6.1m | S271NCQH1L | 50 | 27.05 |

* For use with domed cover

Concealed Adjustable Pendent*

V3806 V38 K5.6

| Room Size | Code | SP | Price |
|------------|------------|----|-------|
| up to 6.1m | S381NCQ41L | 50 | 29.62 |

* For use with flat cover

Dome Cover

To suit V2736

| Colour | Code | SP | Price |
|--------|------------|----|-------|
| White | S2706A0040 | 50 | 19.49 |

Flat Cover

To suit V3806

| Colour | Code | SP | Price |
|--------|------------|----|-------|
| White | S3806AS040 | 50 | 14.76 |

Single Piece Rosette

Decorative cover for pendent and sidewall pendent

| Colour | Code | SP | Price |
|--------|--------------|----|-------|
| White | SE2-100-0040 | 50 | 7.75 |

2 Part Rosette

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

| Colour | Code | SP | Price |
|--------|--------------|----|-------|
| White | SE0-100-054B | 50 | 8.95 |

Concealed Adjustable Pendant

| K Factor | Code | SP | Price |
|----------|-------------|-----|-------|
| K4.9 | LY490615501 | 100 | 32.59 |

Cover Plate

To suit LY490615501

| Colour | Code | SP | Price |
|--------|-------------|-----|-------|
| White | LY000332892 | 100 | 12.25 |

NEW Concealed Pendent

| K Factor | Code | SP | Price |
|----------|----------------|-----|-------|
| K4.9 | RD205CNRES162W | 100 | 32.34 |
| K4.9 | RD208CNRES162 | 50 | 32.96 |

NEW Concealed Pendent

Low Flow

| K Factor | Code | SP | Price |
|----------|----------------|----|-------|
| K3.0 | RD207CNRES162W | 50 | 33.79 |

NEW Cover Plate - White

To suit RD205 and RD208/RD207

| Size | Code | SP | Price |
|-------|-------------------|-----|-------|
| *60mm | RDCNCOV140R9003 | 100 | 11.42 |
| 68mm | RDRESCV140R9003 | 100 | 12.39 |
| 83mm | RDRESCV140R900383 | 50 | 12.39 |

* Also available in chrome

tools

NEW Installation Socket

To suit RD205 and RD207/RD208

| Size | Code | SP | Price |
|----------|----------------|-----|--------|
| one size | RDSOCKETFQR | 100 | 106.50 |
| one size | RDSOCKETFQR208 | 1 | 106.50 |

Open Ended Spanner

Model V27 to suit, V2732 and V2738

| Size | Code | SP | Price |
|------|--------------|----|-------|
| 1/2 | ST0-100-0000 | 1 | 35.46 |

Concealed Wrench

Model V39 to suit V2736

| Size | Code | SP | Price |
|------|--------------|----|--------|
| 1/2 | ST6-2J0-0000 | 1 | 165.43 |

Model V38-4 to suit V3806

| Size | Code | SP | Price |
|------|--------------|----|-------|
| 1/2 | ST2-1N0-0000 | | 55.21 |

Installation Socket

To suit LY490615501

| Colour | Code | SP | Price |
|--------|-------------|----|-------|
| White | LY000332765 | 1 | 86.96 |

Installation Options



V2736 Concealed pendent with dome 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 | 448.50 |
| 1.¼ | 1119077 | 1 | 471.79 |
| 1.½ | 1119087 | 1 | 544.56 |
| 2 | 1119097 | 1 | 611.59 |

* Inlet 1¼" solvent socket

Also available left handed, please enquire.

Flow Switch

Potter VSR-SFG - Solvent Cement Spigot

| Size | Code | SP | Price |
|----------|---------|----|--------|
| One Size | 1144460 | 1 | 229.79 |

Installation Tee Fitting

| Size | Code | SP | Price |
|-----------|----------|----|-------|
| 1 | 4201-010 | 1 | 6.39 |
| 1.¼x1.¼x1 | 4201-168 | 1 | 10.42 |
| 1.½x1.½x1 | 4201-211 | 1 | 12.48 |
| 2x2x1 | 4201-249 | 1 | 21.41 |

Replacement Spigot Adaptor - Connects Flow
Switch to Tee

| Size | Code | SP | Price |
|----------|---------|----|-------|
| One Size | 5180203 | 1 | 24.14 |

Compact Resi-Riser

Dual Port, complete with gauge, lockable valve,
BSP female inlet/outlet

| Size | Code | SP | Price |
|------|-------------|----|--------|
| 1 | RDRESI-25DP | 1 | 100.76 |
| 1.¼ | RDRESI-32DP | 1 | 143.96 |
| 1.½ | RDRESI-40DP | 1 | 315.98 |
| 2 | RDRESI-50DP | 1 | 360.45 |

Compact Flow Switch

Complete with full set of paddles, male BSP
connection

| Size | Code | SP | Price |
|----------|---------|----|-------|
| One Size | DRS021G | 1 | 80.40 |

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 | 419.35 |
| 1.¼ | 25-250 | RB-150MB-LPM2 | 1 | 496.11 |
| 1.½ | 40-400 | RB-150MB-LPM3 | 1 | 496.11 |
| 2 | 25-250 | RB-200MB-LPM2 | 1 | 515.72 |
| 2 | 40-400 | RB-200MB-LPM3 | 1 | 515.72 |

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 | 816.95 |
| 1.¼ | 25-250 | RT-150MB-LPM2 | 1 | 816.95 |
| 1.½ | 40-400 | RT-150MB-LPM3 | 1 | 816.95 |
| 2 | 25-250 | RT-200MB-LPM2 | 1 | 838.05 |
| 2 | 40-400 | RT-200MB-LPM3 | 1 | 838.05 |

Flowmeter Accessories

Installation Tee Male BSP Threaded

| Size | Flow Range l/min | Code | SP | Price |
|------|---------------------|-------|----|--------|
| 1 | 20-200 | 10MB1 | 1 | 87.11 |
| 1.¼ | 25-250 | 15MB2 | 1 | 170.75 |
| 1.½ | 40-400 | 15MB3 | 1 | 170.75 |
| 2 | 25-250 | 20MB3 | 1 | 192.05 |
| 2 | 40-400 | 20MB2 | 1 | 192.05 |

Service Removal Plug*

| Size | Code | SP | Price |
|----------|--------|----|-------|
| One Size | F-900K | 1 | 12.65 |

* Used to blank off unused branch

Resi-Riser Kit



- Compact Design
- BSP male inlet (1¼" 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", 1½" 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 | 48.84 |
| 3/4 | 6622-007CO | 10 | 64.97 |
| 1 | 6622-010CO | 10 | 80.60 |

Lockable Ball Valve

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

| Size | Code | SP | Price |
|-------|-------------|----|--------|
| 3/4 | 1822-007CFG | 1 | 115.51 |
| 1 | 1822-010CFG | 1 | 137.51 |
| 1 1/4 | 1822-012CFG | 1 | 218.61 |
| 1 1/2 | 1822-015CFG | 1 | 230.87 |
| 2 | 1822-020CFG | 1 | 308.78 |

Check Valve*

Socket x Socket - For Residential Applications Only

| Size | Code | SP | Price |
|-------|------------|----|-------|
| 1 | S1520-10CO | 20 | 61.56 |
| 1 1/4 | S1520-12CO | 12 | 68.80 |
| 1 1/2 | S1520-15CO | 12 | 77.37 |

NPT Threaded - For Residential Applications Only

| Size | Code | SP | Price |
|-------|----------------|----|-------|
| 1 | S1520-10FSRSCO | 20 | 66.68 |
| 1 1/4 | S1520-12FSRSCO | 12 | 76.98 |
| 1 1/2 | S1520-15FSRSCO | 12 | 91.30 |

* Not WRAS approved

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 | 4.50 |
| 1 | 32-38 | 151362 | 4.76 |
| 1 1/4 | 40-46 | 151364 | 5.48 |
| 1 1/2 | 48-54 | 151365 | 5.74 |
| 2 | 60-66 | 151367 | 6.47 |
| 2 1/2 | 72-80 | 151370 | 9.93 |
| 3 | 88-92 | 151372 | 10.43 |

Base Plate with Combi Nut

| Size | Nut with Dual Thread | Code | Price |
|---------|-------------------------|--------|-------|
| 80x30x3 | M8/M10 | 112397 | 2.44 |

Threaded Rod

| Size | Length | Code | Price |
|------|--------|--------|-------|
| M8 | 1000 | 113639 | 2.53 |
| M10 | 1000 | 113467 | 3.06 |

hangers

Fig 22 Strap Hanger

Zinc Plated Carbon Steel

| Size | Code | SP | Price |
|-------|--------|-----|-------|
| 3/4 | 22-007 | 100 | 1.45 |
| 1 | 22-010 | 100 | 1.51 |
| 1 1/4 | 22-012 | 100 | 1.62 |
| 1 1/2 | 22-015 | 100 | 1.74 |
| 2 | 22-020 | 100 | 2.03 |

Fig 23 Strap Hanger

Zinc Plated Carbon Steel

| Size | Code | SP | Price |
|-------|--------|-----|-------|
| 3/4 | 23-007 | 100 | 1.57 |
| 1 | 23-010 | 100 | 1.59 |
| 1 1/4 | 23-012 | 100 | 1.74 |
| 1 1/2 | 23-015 | 100 | 1.82 |
| 2 | 23-020 | 100 | 2.14 |

Fig 24 Side Hanger

Zinc Plated Carbon Steel

| Size | Code | SP | Price |
|-------|--------|-----|-------|
| 3/4 | 24-007 | 100 | 1.84 |
| 1 | 24-010 | 100 | 1.93 |
| 1 1/4 | 24-012 | 100 | 2.07 |
| 1 1/2 | 24-015 | 100 | 2.24 |
| 2 | 24-020 | 100 | 2.62 |

Fig 200 Band Hanger

Zinc Plated Carbon Steel

| Size | Code | SP | Price |
|-------|----------|-----|-------|
| 3/4 | 200-007M | 100 | 1.28 |
| 1 | 200-010M | 100 | 1.34 |
| 1 1/4 | 200-012M | 100 | 1.36 |
| 1 1/2 | 200-015M | 100 | 1.50 |
| 2 | 200-020M | 100 | 1.52 |
| 2 1/2 | 200-025M | 100 | 3.31 |
| 3 | 200-030M | 50 | 3.20 |

Fig 25 Surge Restrainer

Zinc Plated Carbon Steel

| Size | Code | SP | Price |
|----------|-----------|-----|-------|
| One Size | 25-007020 | 100 | 1.93 |

Requires Fig 200 Band Hanger (see picture)

Offset Hanger

Zinc Plated Carbon Steel

| Size | Code | SP | Price |
|-------|---------|-----|-------|
| 3/4 | 514-007 | 100 | 3.76 |
| 1 | 514-010 | 100 | 4.56 |
| 1 1/4 | 514-012 | 100 | 4.82 |
| 1 1/2 | 514-015 | 100 | 5.24 |
| 2 | 514-020 | 100 | 5.63 |

FloWatch Sprinkler Monitoring Systems

Flowatch 9251

Flowatch are manufacturers of innovative sprinkler control system solutions that are truly changing the industry.

Ensuring their products are fit for purpose and conform to the ever changing requirements both for consultants and building owners alike are key aspects of their company ethos.

Their products ensure more effective systems and procedures for testing, management and monitoring of fire sprinkler systems, helping to create smarter, safer and more sustainable buildings.

Easy installation and simple commissioning of the system is achieved using the windows compatible Setup Wizard.

The wizard guides the installer through the setup process in four simple steps. Suitable for incorporation within new systems or can be retrofitted to existing installations.

flowatch



A back-lit LED Screen allows the user to browse through the connected elements of the system and clearly displays any alarm occurrence. Colour changing 5mm LED's provide at-a-glance status of the critical elements of the system.



An optional sim card subscription can be purchased allowing remote monitoring of the sprinkler system via any web browser. Providing alerts via email to the end user in the event of an alarm occurrence.

When combined with the FloWatch 9251 Expansion Module(s) the system can monitor upto 132 Flow Switches / Monitored Isolation Valves as a single system. In high-rise residential blocks with multiple cores, we recommend a FloWatch 9251 be installed in each core.

FULLY SUPERVISED CIRCUITS

LED RED = Sprinkler Flow Switch Activation

LED GREEN = No Sprinkler Flow Switch Activation

LED NO ILLUMINATION = System not commissioned
(If Power LED is Green, if Power LED is not illuminated then no mains or battery power present.)

LED ORANGE = Flow Switch with open or short circuit
(further note on whether open or short will be displayed on the screen.)

MONITORED ISOLATION VALVES



Can also be monitored by FloWatch - simply select via drop down menu when setting up inputs via the intuitive windows based PC set up

FloWatch Sprinkler Monitoring Systems



24 HOUR BATTERY BACKUP

A factory fitted AGM rechargeable battery provides the system with 24 hour battery backup in the event of a mains power failure.



AUDIBLE ALARM

A distinguishable audible alarm in the event of a sprinkler activation or fault on the system



TANK LEVEL ALARMS

Monitors low levels of water within a sprinkler or combined tank to raise an alarm indicating in a failure of the water supply



MONITOR FLOW SWITCHES

Flow switches detect that water is flowing in the sprinkler system and must be monitored under current regulations



PUMP FAULT MONITORING

FloWatch ensure any fault in the system is monitored for early detection so preventative measures can be taken



REMOTE BROWSER VIEWING

View the status of the system remotely via a web browser and receive email alerts in the event of an alarm

- Engineered to meet the alarm requirements of BS9251:2014
- Monitors up to 4 sprinkler flow switches as a standard unit
- Monitors up to 132 flow switches with the addition of expansion modules
- Visual alarm clearly identifies location of flow switch that has been activated
- Monitors cold water tank for low water content and alerts if supply is low
- MODBUS compatible for interface with Building Management Systems (BMS)

Flowwatch 9251 Expansion Module

Monitor up to an additional 132 flow switches by adding expansion modules to your Flowwatch 9251 Master Panel.

Each expansion module monitors up to 4 or 8 additional flow switches, has a sleek aesthetic design and is designed for easy installation within a riser cupboard.

There are no requirement for additional 230V power supplies because the expansion units are powered through MODBUS network cabling.

A total number of 16 expansion devices can be added onto 1 master device. By simply selecting and addressing each unit via manual DIP switches located within each unit a total of 132 flow devices can be added onto the system.



Flowwatch 9251

Master Unit

| Monitor No. | Code | Price |
|-----------------|---------|--------|
| 4 Flow Switches | FW9251M | 939.75 |



Flowwatch 9251

Expansion Module

| Monitor No. | Code | Price |
|-----------------|-------------|--------|
| 4 Flow Switches | FW9251EXP | 336.00 |
| 8 Flow Switches | FW9251EXP-8 | 367.50 |

CPVC tools and accessories

tools



Quick Release Cutter

| Size | Code | Price |
|-----------|--------|--------|
| 3/4 | 04114 | 104.14 |
| 10 - 63mm | 290000 | 155.25 |
| 3/4 - 3 | 04134 | 220.18 |



Deburring Tools

| Type | Size | Code | Price |
|------|-----------|-------|--------|
| DEB0 | All | 04434 | 11.65 |
| DEB1 | 1/2 - 1 | 04650 | 140.54 |
| DEB2 | 3/4 - 2 | 04436 | 36.92 |
| DEB3 | 3/4 - 3 | 04437 | 26.70 |
| DEB4 | 1 1/4 - 4 | 04430 | 126.61 |



Strap Wrench

Coated Polyester Strap

| Size | Code | Price |
|---------|-------|-------|
| 3/4 - 2 | 02248 | 61.92 |
| 3/4 - 3 | 02247 | 70.09 |



Internal Pipe Cutter

Ideal for cutting sprinkler drop pipes

| Size | Code | Price |
|-----------|-------|-------|
| min 3/4 | 04507 | 51.25 |
| min 1 1/4 | 04505 | 51.25 |



Reed Test Pump

| Code | Price |
|-------|--------|
| 08177 | 685.60 |

Please note: Drill not included

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 | 31.50 |

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 |
|------|------|-----|-------|
| | PB-1 | 100 | 11.00 |



Can-Mate Dauber

| Size | Code | SP | Price |
|--------------|--------|----|-------|
| *3/4 - 1 1/4 | CM-75 | 50 | 6.61 |
| **1 1/2 - 3 | CM-150 | 50 | 6.61 |

* 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 |
|-------------|---------|----|-------|
| 12mm x 12mm | 767-120 | 10 | 1.33 |



Blue 75 Jointing Compound

| Size | Code | SP | Price |
|--------|---------|----|-------|
| 1 Pint | 768-301 | 12 | 34.49 |



PyroPro HPE Sealant

Grey

| Size | Code | SP | Price |
|-------|----------|----|-------|
| 330ml | FS310HPE | 12 | 19.54 |

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.



Mist nozzles



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 | 52.51 |



Prev4sw Sidewall

| Max coverage area | Code | Price |
|-------------------|---------|-------|
| 16m ² | PREV4SW | 52.51 |



Prev2up Upright

| Max coverage area | Code | Price |
|-------------------|---------|-------|
| 16m ² | PREV2UP | 56.52 |



Prev4swcr Sidewall

| Max coverage area | Code | Price |
|-------------------|-----------|-------|
| 16m ² | PREV4SWCR | 56.52 |



Prev3exp Pendent

| Max coverage area | Code | Price |
|-------------------|----------|-------|
| 16m ² | PREV3EXP | 52.51 |



Prev5exp Pendent

| Max coverage area | Code | Price |
|-------------------|----------|-------|
| 16m ² | PREV5EXP | 56.52 |



Prev3con Pendent

| Max coverage area | Code | Price |
|-------------------|----------|-------|
| 16m ² | PREV3CON | 56.52 |



Prev5exp20 Pendent

| Max coverage area | Code | Price |
|---------------------|------------|-------|
| 20.25m ² | PREV5EXP20 | 56.52 |

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.
Also available with rosette - Prev4swcr

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 |
|-----------|-----------|--------|
| 15x1 | 116015200 | 13.25 |
| 22x1.2 | 116022200 | 21.02 |
| 28x1.2 | 116028200 | 26.50 |
| 35x1.5 | 116035200 | 40.04 |
| 42x1.5 | 116042200 | 47.82 |
| 54x1.5 | 116054200 | 61.46 |
| 76.1x2.0 | 116076200 | 117.31 |
| 88.9x2.0 | 116088200 | 130.94 |
| 108x2.0 | 116108200 | 161.06 |
| 139.7x2.0 | 116139200 | 263.17 |
| 168.3x2.0 | 116168200 | 288.76 |

NEW
NEW

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

Pipe 304 114/200

Metres

| Size | Code | Price |
|----------|-----------|--------|
| 15x1 | 114015200 | 9.43 |
| 22x1.2 | 114022200 | 15.65 |
| 28x1.2 | 114028200 | 20.12 |
| 35x1.5 | 114035200 | 30.35 |
| 42x1.5 | 114042200 | 37.35 |
| 54x1.5 | 114054200 | 49.52 |
| 76.1x2.0 | 114076200 | 94.42 |
| 88.9x2.0 | 114088200 | 99.50 |
| 108x2.0 | 114108200 | 107.47 |

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 | 12.06 |
| 22 | 181022900 | 16.67 |
| 28 | 181028900 | 22.18 |
| 35 | 181035900 | 34.74 |
| 42 | 181042900 | 59.62 |
| 54 | 181054900 | 83.21 |
| 76.1 | 181076900 | 196.37 |
| 88.9 | 181088900 | 238.86 |
| 108 | 181108900 | 325.80 |
| 139.7 | 181139900 | 639.07 |
| 168.3 | 181168900 | 825.46 |

NEW
NEW

90° Elbow MxF 181/901

Socket x Spigot

| Size | Code | Price |
|-------|-----------|--------|
| 15 | 181015901 | 12.65 |
| 22 | 181022901 | 17.27 |
| 28 | 181028901 | 21.61 |
| 35 | 181035901 | 31.82 |
| 42 | 181042901 | 57.77 |
| 54 | 181054901 | 83.69 |
| 76.1 | 181076901 | 201.97 |
| 88.9 | 181088901 | 245.68 |
| 108 | 181108901 | 335.11 |
| 139.7 | 181139901 | 639.07 |
| 168.3 | 181168901 | 825.46 |

NEW
NEW

45° Elbow FxF 181/450

Double Socket

| Size | Code | Price |
|-------|-----------|--------|
| 15 | 181015450 | 15.82 |
| 22 | 181022450 | 20.30 |
| 28 | 181028450 | 24.46 |
| 35 | 181035450 | 27.92 |
| 42 | 181042450 | 45.23 |
| 54 | 181054450 | 58.06 |
| 76.1 | 181076450 | 193.00 |
| 88.9 | 181088450 | 229.98 |
| 108 | 181108450 | 313.58 |
| 139.7 | 181139450 | 628.41 |
| 168.3 | 181168450 | 814.81 |

NEW
NEW

45° Elbow MxF 181/451

Socket x Spigot

| Size | Code | Price |
|-------|-----------|--------|
| 15 | 181015451 | 15.82 |
| 22 | 181022451 | 19.19 |
| 28 | 181028451 | 22.83 |
| 35 | 181035451 | 26.00 |
| 42 | 181042451 | 43.54 |
| 54 | 181054451 | 55.84 |
| 76.1 | 181076451 | 177.10 |
| 88.9 | 181088451 | 211.41 |
| 108 | 181108451 | 288.74 |
| 139.7 | 181139451 | 628.41 |
| 168.3 | 181168451 | 814.81 |

NEW
NEW

90° Adaptor Elbow 197

Socket x Male Thread

| Size | Code | Price |
|-------|-----------|--------|
| 15x½ | 197102015 | 22.29 |
| 22x½ | 197102022 | 24.43 |
| 22x¾ | 197304022 | 30.97 |
| 28x1 | 197100028 | 39.99 |
| 35x1¼ | 197114035 | 57.44 |
| 42x1½ | 197112042 | 102.12 |
| 54x2 | 197200054 | 129.72 |

90° Adaptor Elbow 198

Socket x Female Thread

| Size | Code | Price |
|-------|-----------|-------|
| 15x½ | 198102015 | 25.52 |
| 15x¾ | 198304015 | 34.24 |
| 22x½ | 198102022 | 32.70 |
| 22x¾ | 198304022 | 35.79 |
| 28x½ | 198102028 | 34.87 |
| 28x1 | 198100028 | 46.69 |
| 35x1¼ | 198114035 | 76.98 |

90° Elbow 186

Socket x Female BSP Thread

| Size | Code | Price |
|-------|-----------|-------|
| 15x½ | 186102015 | 36.41 |
| 22x¾ | 186304022 | 44.63 |
| 28x1 | 186100028 | 52.87 |
| 35x1 | 186100035 | 62.52 |
| 35x1¼ | 186114035 | 66.96 |
| 42x1¼ | 186114042 | 78.13 |
| 42x1½ | 186112042 | 79.30 |
| 54x2 | 186200054 | 90.48 |

Equal Tee 182

Socket x Socket x Socket

| Size | Code | Price |
|------|-----------|--------|
| 15 | 182015000 | 19.62 |
| 22 | 182022000 | 24.60 |
| 28 | 182028000 | 30.01 |
| 35 | 182035000 | 37.43 |
| 42 | 182042000 | 52.90 |
| 54 | 182054000 | 63.12 |
| 76.1 | 182076000 | 356.66 |
| 88.9 | 182088000 | 390.51 |
| 108 | 182108000 | 481.34 |



Reducing Tee 192

Socket x Socket x Socket

| Size | Code | Price |
|-------------------|-----------|---------|
| 22x22x15 | 192022015 | 20.61 |
| 22x18x22 | 192022018 | 21.67 |
| 28x28x15 | 192028015 | 24.92 |
| 28x18x28 | 192028018 | 26.06 |
| 28x28x22 | 192028022 | 27.79 |
| 35x35x15 | 192035015 | 32.43 |
| 35x18x35 | 192035018 | 32.87 |
| 35x35x22 | 192035022 | 33.91 |
| 35x28x35 | 192035035 | 35.27 |
| 42x42x22 | 192042022 | 48.60 |
| 42x42x28 | 192042028 | 49.69 |
| 42x42x35 | 192042035 | 50.82 |
| 54x54x22 | 192054022 | 53.60 |
| 54x54x28 | 192054028 | 55.84 |
| 54x54x35 | 192054035 | 56.94 |
| 54x54x42 | 192054042 | 59.75 |
| 76.1x22x76.1 | 192076022 | 278.93 |
| 76.1x28x76.1 | 192076028 | 301.55 |
| 76.1x35x76.1 | 192076035 | 324.21 |
| 76.1x42x76.1 | 192076042 | 349.80 |
| 76.1x54x76.1 | 192076054 | 372.46 |
| 88.9x22x88.9 | 192088022 | 302.41 |
| 88.9x28x88.9 | 192088028 | 312.89 |
| 88.9x35x88.9 | 192088035 | 340.99 |
| 88.9x42x88.9 | 192088042 | 360.07 |
| 88.9x54x88.9 | 192088054 | 381.27 |
| 88.9x76.1x88.9 | 192088076 | 406.63 |
| 108x22x108 | 192108022 | 317.92 |
| 108x28x108 | 192108028 | 333.01 |
| 108x35x108 | 192108035 | 368.89 |
| 108x42x108 | 192108042 | 381.27 |
| 108x54x108 | 192108054 | 415.02 |
| 108x76.1x108 | 192108076 | 435.35 |
| 108x88.9x108 | 192108088 | 502.86 |
| 139.7x76.1x139.7 | 192139076 | 814.81 |
| 139.7x88.9x139.7 | 192139088 | 836.11 |
| 139.7x108x139.7 | 192139108 | 852.09 |
| 168.3x76.1x168.3 | 192168076 | 985.23 |
| 168.3x88.9x168.3 | 192168088 | 1011.85 |
| 168.3x108x168.3 | 192168108 | 1038.48 |
| 168.3x139.7x168.3 | 192168139 | 1118.36 |

NEW
NEW
NEW
NEW
NEW
NEW
NEW

Equal Tee Female BSP 189

Socket x Female BSP



| Size | Code | Price |
|---------------------------|-----------|--------|
| 15x $\frac{1}{2}$ x15 | 189102015 | 21.97 |
| 22x $\frac{1}{2}$ x22 | 189102022 | 24.80 |
| 22x $\frac{3}{4}$ x22 | 189304022 | 28.29 |
| 28x $\frac{1}{2}$ x28 | 189102028 | 27.28 |
| 28x $\frac{3}{4}$ x28 | 189304028 | 32.43 |
| 28x1x28 | 189100028 | 51.28 |
| 35x $\frac{1}{2}$ x35 | 189102035 | 32.70 |
| 35x $\frac{3}{4}$ x35 | 189304035 | 39.65 |
| 35x1x35 | 189100035 | 63.35 |
| 42x $\frac{1}{2}$ x42 | 189102042 | 39.65 |
| 42x $\frac{3}{4}$ x42 | 189304042 | 43.44 |
| 54x $\frac{1}{2}$ x54 | 189102054 | 47.90 |
| 54x $\frac{3}{4}$ x54 | 189304054 | 51.94 |
| 54x2x54 | 189200054 | 104.39 |
| 76.1x $\frac{3}{4}$ x76.1 | 189304076 | 309.13 |
| 76.1x2x76.1 | 189200076 | 338.07 |
| 88.9x $\frac{3}{4}$ x88.9 | 189304088 | 333.50 |
| 88.9x2x88.9 | 189200088 | 351.06 |
| 108x $\frac{3}{4}$ x108 | 189304108 | 408.75 |
| 108x2x108 | 189200108 | 433.34 |



Coupling 183/000

Socket x Socket

| Size | Code | Price |
|-------|-----------|--------|
| 15 | 183015000 | 8.20 |
| 22 | 183022000 | 10.74 |
| 28 | 183028000 | 12.29 |
| 35 | 183035000 | 15.58 |
| 42 | 183042000 | 21.08 |
| 54 | 183054000 | 25.60 |
| 76.1 | 183076000 | 124.23 |
| 88.9 | 183088000 | 141.98 |
| 108 | 183108000 | 180.64 |
| 139.7 | 183139000 | 319.53 |
| 168.3 | 183168000 | 399.42 |

NEW
NEW

Slip Coupling 183/001

Socket x Socket

| Size | Code | Price |
|------|-----------|--------|
| 15 | 183015001 | 15.24 |
| 22 | 183022001 | 18.45 |
| 28 | 183028001 | 21.61 |
| 35 | 183035001 | 24.76 |
| 42 | 183042001 | 28.80 |
| 54 | 183054001 | 36.83 |
| 76.1 | 183076001 | 331.94 |
| 88.9 | 183088001 | 377.19 |
| 108 | 183108001 | 466.58 |



Valve Connector 183/002

Socket x Female BSP

| Size | Code | Price |
|--------------------|-----------|--------|
| 15x $\frac{1}{2}$ | 183015012 | 23.17 |
| 15x $\frac{3}{4}$ | 183015002 | 23.87 |
| 22x $\frac{3}{4}$ | 183022012 | 30.70 |
| 22x1 | 183022002 | 30.70 |
| 28x1 | 183028012 | 38.10 |
| 28x1 $\frac{1}{4}$ | 183028002 | 38.10 |
| 35x1 $\frac{1}{4}$ | 183035012 | 43.24 |
| 35x1 $\frac{1}{2}$ | 183035002 | 43.24 |
| 42x1 $\frac{1}{2}$ | 183042022 | 58.37 |
| 42x1 $\frac{3}{4}$ | 183042012 | 58.37 |
| 42x2 | 183042002 | 76.74 |
| 54x2 | 183054022 | 70.27 |
| 54x2 $\frac{3}{8}$ | 183054012 | 78.50 |
| 54x2 $\frac{1}{2}$ | 183054002 | 109.75 |



Stop End 183/003

Socket x Stop End

| Size | Code | Price |
|-------|-----------|--------|
| 15 | 183015003 | 9.81 |
| 22 | 183022003 | 11.42 |
| 28 | 183028003 | 16.35 |
| 35 | 183035003 | 18.63 |
| 42 | 183042003 | 30.14 |
| 54 | 183054003 | 35.18 |
| 76.1 | 183076003 | 59.23 |
| 88.9 | 183088003 | 73.33 |
| 108 | 183108003 | 90.20 |
| 139.7 | 183139003 | 255.63 |
| 168.3 | 183168003 | 292.90 |

NEW
NEW

Wall Plate Elbow 90° 185/000

Socket x Female Thread

| Size | Code | Price |
|-------------------|-----------|-------|
| 15x $\frac{1}{2}$ | 185102015 | 29.05 |
| 22x $\frac{3}{4}$ | 185304022 | 43.38 |



Extension Wall Plate Elbow 90° 185/001

Socket x Female Thread



| Size | Code | Price |
|------|-----------|-------|
| 15x½ | 185102115 | 30.97 |
| 22x¾ | 185304122 | 44.08 |

Wall Plate Elbow 90° 185/000M

Spigot x Male Thread



| Size | Code | Price |
|------|------------|-------|
| 15x½ | 185102015M | 29.05 |
| 22x¾ | 185304022M | 43.38 |

Wall Plate Elbow 90° 185/001M

Spigot x Female Thread



| Size | Code | Price |
|------|------------|-------|
| 15x½ | 185102115M | 30.97 |
| 22x¾ | 185304122M | 44.08 |

Wall Plate Elbow 90° 185/002

Socket x Male Thread



| Size | Code | Price |
|------|-----------|-------|
| 18x¾ | 185304218 | 37.64 |

Male Adaptor 187

Socket x Male BSP



| Size | Code | Price |
|----------|-----------|--------|
| 15x¾ | 187308015 | 16.54 |
| 15x½ | 187102015 | 20.24 |
| 15x¾ | 187304015 | 20.56 |
| 22x½ | 187102022 | 23.94 |
| 22x¾ | 187304022 | 24.79 |
| 22x1 | 187100022 | 29.50 |
| 28x½ | 187102028 | 30.87 |
| 28x¾ | 187304028 | 33.63 |
| 28x1 | 187100028 | 38.60 |
| 28x1.¼ | 187114028 | 44.53 |
| 35x1 | 187100035 | 40.62 |
| 35x1.¼ | 187114035 | 47.25 |
| 35x1.½ | 187112035 | 55.69 |
| 42x1.¼ | 187114042 | 63.28 |
| 42x1.½ | 187112042 | 68.65 |
| 54x1.½ | 187112054 | 79.68 |
| 54x2 | 187200054 | 85.32 |
| 76.1x2.½ | 187212076 | 396.50 |
| 88.9x3 | 187300088 | 592.40 |
| 108x4 | 187400108 | 681.95 |

Female Adaptor 190

Socket x Female BSP



| Size | Code | Price |
|--------|-----------|--------|
| 15x½ | 190102015 | 21.79 |
| 15x¾ | 190304015 | 22.73 |
| 22x½ | 190102022 | 24.43 |
| 22x¾ | 190304022 | 28.60 |
| 22x1 | 190100022 | 33.82 |
| 28x¾ | 190304028 | 32.66 |
| 28x1 | 190100028 | 44.77 |
| 28x1.¼ | 190114028 | 49.69 |
| 35x1 | 190100035 | 43.02 |
| 35x1.¼ | 190114035 | 48.84 |
| 35x1.½ | 190112035 | 55.85 |
| 42x1.¼ | 190114042 | 55.23 |
| 42x1.½ | 190112042 | 76.14 |
| 54x1.½ | 190112054 | 82.89 |
| 54x2 | 190200054 | 113.37 |

Conical Union 184/000

Socket x Socket



| Size | Code | Price |
|------|-----------|--------|
| 15 | 184015000 | 39.05 |
| 22 | 184022000 | 51.84 |
| 28 | 184028000 | 67.25 |
| 35 | 184035000 | 84.88 |
| 42 | 184042000 | 105.22 |
| 54 | 184054000 | 198.86 |

Flat Faced Union 184/001

Socket x Socket



| Size | Code | Price |
|------|-----------|--------|
| 15 | 184015001 | 39.05 |
| 22 | 184022001 | 51.84 |
| 28 | 184028001 | 67.25 |
| 35 | 184035001 | 84.88 |
| 42 | 184042001 | 105.22 |
| 54 | 184054001 | 198.86 |

Male Adaptor Union 184/002

Socket x Male Brass BSP Thread



| Size | Code | Price |
|--------|-----------|--------|
| 15x½ | 184015002 | 38.10 |
| 22x½ | 184022122 | 44.68 |
| 22x¾ | 184022002 | 44.68 |
| 28x¾ | 184028342 | 76.20 |
| 28x1 | 184028002 | 76.20 |
| 35x1.¼ | 184035002 | 97.22 |
| 42x1.½ | 184042002 | 111.64 |
| 54x2 | 184054002 | 195.98 |

Female Adaptor Union 184/003

Socket x Female Brass BSP Thread



| Size | Code | Price |
|--------|-----------|--------|
| 15x½ | 184015003 | 38.10 |
| 22x½ | 184022123 | 49.93 |
| 22x¾ | 184022003 | 49.93 |
| 28x¾ | 184028343 | 65.69 |
| 28x1 | 184028003 | 65.69 |
| 35x1.¼ | 184035003 | 81.45 |
| 42x1.½ | 184042003 | 101.19 |
| 54x2 | 184054003 | 193.08 |

Male Adaptor Union 184/002 INOX

Socket x Male S/S BSP Thread



| Size | Code | Price |
|--------|------------|--------|
| 15x½ | 184015002I | 47.64 |
| 22x¾ | 184022002I | 55.85 |
| 28x1 | 184028002I | 95.23 |
| 35x1.¼ | 184035002I | 121.53 |
| 42x1.½ | 184042002I | 128.41 |
| 54x2 | 184054002I | 220.54 |

Female Adaptor Union 184/003 INOX

Socket x Female S/S BSP Thread



| Size | Code | Price |
|--------|------------|--------|
| 15x½ | 184015003I | 48.66 |
| 22x¾ | 184022003I | 62.43 |
| 28x1 | 184028003I | 82.11 |
| 35x1.¼ | 184035003I | 101.82 |
| 42x1.½ | 184042003I | 116.36 |
| 54x2 | 184054003I | 222.06 |

Reducer 191

Spigot x Socket



| Size | Code | Price |
|-------------|-----------|--------|
| 22x15 | 191022015 | 10.37 |
| 28x15 | 191028015 | 11.86 |
| 28x22 | 191028022 | 12.52 |
| 35x15 | 191035015 | 46.09 |
| 35x22 | 191035022 | 15.14 |
| 35x28 | 191035028 | 18.76 |
| 42x15 | 191042015 | 47.65 |
| 42x22 | 191042022 | 49.47 |
| 42x28 | 191042028 | 50.59 |
| 42x35 | 191042035 | 20.80 |
| 54x15 | 191054015 | 52.84 |
| 54x22 | 191054022 | 55.72 |
| 54x28 | 191054028 | 58.01 |
| 54x35 | 191054035 | 72.24 |
| 54x42 | 191054042 | 22.74 |
| 76.1x42 | 191076042 | 105.02 |
| 76.1x54 | 191076054 | 107.31 |
| 88.9x54 | 191088054 | 116.74 |
| 88.9x76.1 | 191088076 | 158.62 |
| 108x54 | 191108054 | 125.84 |
| 108x76.1 | 191108076 | 163.35 |
| 108x88.9 | 191108088 | 181.93 |
| 139.7x88.9 | 191139088 | 559.18 |
| 139.7x108 | 191139108 | 532.55 |
| 168.3x88.9 | 191168088 | 639.07 |
| 168.3x108 | 191168108 | 612.44 |
| 168.3x139.7 | 191168139 | 585.81 |

Pipe Bridge 179

Male x Male



| Size | Code | Price |
|------|-----------|-------|
| 15 | 179015000 | 17.47 |
| 22 | 179022000 | 20.36 |
| 28 | 179028000 | 24.68 |

Compressed Air Drop Pipe 178

Male x Male



| Size | Code | Price |
|------|-----------|-------|
| 15 | 178015316 | 41.18 |
| 22 | 178022316 | 49.97 |
| 28 | 178028316 | 76.43 |

90° Elbow 194/900

Plain x Plain



| Size | Code | Price |
|------|-----------|-------|
| 15 | 194015900 | 19.23 |
| 22 | 194022900 | 21.45 |
| 28 | 194028900 | 22.94 |
| 35 | 194035900 | 46.59 |
| 42 | 194042900 | 57.68 |
| 54 | 194054900 | 72.45 |

60° Elbow 194/600

Plain x Plain



| Size | Code | Price |
|------|-----------|--------|
| 28 | 194028600 | 38.32 |
| 35 | 194035600 | 61.60 |
| 42 | 194042600 | 90.95 |
| 54 | 194054600 | 117.28 |

30° Elbow 194/300

Plain x Plain



| Size | Code | Price |
|------|-----------|--------|
| 28 | 194028300 | 36.75 |
| 35 | 194035300 | 59.15 |
| 42 | 194042300 | 87.22 |
| 54 | 194054300 | 111.77 |

15° Elbow 194/150

Plain x Plain



| Size | Code | Price |
|------|-----------|--------|
| 28 | 194028150 | 35.95 |
| 35 | 194035150 | 58.04 |
| 42 | 194042150 | 85.46 |
| 54 | 194054150 | 108.97 |

Adaptor Flange 193/000

PN16 Drilling



| Size | Code | Price |
|-------------|-----------|--------|
| 15 | 193015000 | 73.23 |
| 22 | 193022000 | 89.06 |
| 28 | 193028000 | 108.88 |
| 35 | 193035000 | 153.68 |
| 42 | 193042000 | 180.28 |
| 54 | 193054000 | 222.33 |
| 76.1x2. 1/2 | 193076000 | 362.18 |
| 88.9x3 | 193088000 | 432.17 |
| 108x4 | 193108000 | 514.43 |

Adaptor Flange 193/001

PN10 Drilling



| Size | Code | Price |
|-------|-----------|--------|
| 54 | 193054001 | 144.15 |
| 76.1 | 193076001 | 186.77 |
| 88.9 | 193088001 | 219.25 |
| 108 | 193108001 | 241.97 |
| 139.7 | 193139001 | 559.18 |
| 168.3 | 193168001 | 639.07 |

Gasket

Fasit® 202



| Size | Code | Price |
|------|-----------|-------|
| 15 | 434015000 | 0.60 |
| 22 | 434020000 | 0.85 |
| 28 | 434025000 | 1.21 |
| 35 | 434032000 | 1.68 |
| 42 | 434040000 | 2.40 |
| 54 | 434050000 | 3.28 |
| 76.1 | 434065000 | 4.52 |
| 88.9 | 434080000 | 5.36 |
| 108 | 434100000 | 6.16 |

Hexagonal Bolt + Nut 435

St. St.



| Size | Code | Price |
|--------|-----------|-------|
| M12x50 | 435012001 | 2.84 |
| M16x65 | 435016001 | 5.46 |

Ball Valve 195/003

Socket x Socket



| Size | Code | Price |
|------|-----------|---------|
| 15 | 195015003 | 101.21 |
| 22 | 195022003 | 117.00 |
| 28 | 195028003 | 148.85 |
| 35 | 195035003 | 235.22 |
| 42 | 195042003 | 299.30 |
| 54 | 195054003 | 370.86 |
| 76.1 | 195076003 | 716.30 |
| 88.9 | 195088003 | 1001.03 |
| 108 | 195108003 | 1809.51 |

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!

PATENTED

BIM

Seamless
No more leaks!

Equal Tee up to 54mm

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:

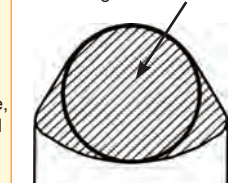
- A 20% enlargement of the sealing surface area
- Major reduction of the risk of the sealing ring being pressed out or damaged
- Fit makes the pipes insertion easier

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 |
|-----------|------------------|----------------|
| 63 | 70.705.0063.11FM | 16.97 |
| 75 | 70.705.0075.11FM | 23.63 |
| 90 | 70.705.0090.11FM | 33.89 |
| 110 | 70.705.0110.11FM | 50.55 |
| 125 | 70.705.0125.11FM | 65.06 |
| 140 | 70.705.0140.11FM | 81.46 |
| 160 | 70.705.0160.11FM | 107.19 |
| 180 | 70.705.0180.11FM | 134.75 |
| 200 | 70.705.0200.11FM | 198.25 |
| 225 | 70.705.0225.11FM | 210.11 |
| 250 | 70.705.0250.11FM | 259.80 |
| 280 | 70.705.0280.11FM | 324.27 |
| 315 | 70.705.0315.11FM | 411.78 |
| 355 | 70.705.0355.11FM | 522.22 |
| 400 | 70.705.0400.11FM | 661.55 |
| 450 | 70.705.0450.11FM | on application |
| 500 | 70.705.0500.11FM | on application |
| 560 | 70.705.0560.11FM | on application |
| 630 | 70.705.0630.11FM | 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 | 70.173.0063.11FM | 19.22 |
| 75 | 70.173.0075.11FM | 27.41 |
| 90 | 70.173.0090.11FM | 36.56 |
| 110 | 70.173.0110.11FM | 43.95 |
| 125 | 70.173.0125.11FM | 61.78 |
| 140 | 70.173.0140.11FM | 69.58 |
| 160 | 70.173.0160.11FM | 85.18 |
| 180 | 70.173.0180.11FM | 122.18 |
| 200 | 70.173.0200.11FM | 144.32 |
| 225 | 70.173.0225.11FM | 185.90 |
| 250 | 70.173.0250.11FM | 273.96 |
| 280 | 70.173.0280.11FM | 370.18 |
| 315 | 70.173.0315.11FM | 446.58 |
| 355 | 70.173.0355.11FM | 816.38 |
| 400 | 70.173.0400.11FM | 1023.65 |

Electrofusion Tee 90°

Fusion Spigot Branch



| Size | Code | Price |
|------|------------------|----------------|
| 63 | 70.176.0063.11FM | 44.24 |
| 75 | 70.176.0075.11FM | 64.28 |
| 90 | 70.176.0090.11FM | 78.88 |
| 110 | 70.176.0110.11FM | 126.41 |
| 125 | 70.176.0125.11FM | 159.17 |
| 160 | 70.176.0160.11FM | 294.84 |
| 180 | 70.176.0180.11FM | on application |
| 225 | 70.176.0225.11FM | 804.08 |

Electrofusion Elbow 90°



| Size | Code | Price |
|------|------------------|----------------|
| 63 | 70.171.0063.11FM | 44.24 |
| 75 | 70.171.0075.11FM | 63.34 |
| 90 | 70.171.0090.11FM | 78.88 |
| 110 | 70.171.0110.11FM | 126.41 |
| 125 | 70.171.0125.11FM | 159.17 |
| 160 | 70.171.0160.11FM | 294.84 |
| 180 | 70.171.0180.11FM | on application |
| 225 | 70.171.0225.11FM | 804.08 |

Electrofusion Elbow 45°



| Size | Code | Price |
|------|------------------|--------|
| 63 | 70.170.0063.11FM | 44.24 |
| 75 | 70.170.0075.11FM | 63.34 |
| 90 | 70.170.0090.11FM | 78.88 |
| 110 | 70.170.0110.11FM | 126.52 |
| 125 | 70.170.0125.11FM | 159.17 |
| 160 | 70.170.0160.11FM | 294.84 |
| 180 | 70.170.0180.11FM | 530.74 |
| 225 | 70.170.0225.11FM | 804.08 |

Electrofusion Reducer



| Size | Code | Price |
|---------|------------------|----------------|
| 90x63 | 70.177.9063.11FM | 59.46 |
| 110x63 | 70.177.1163.11FM | 96.92 |
| 110x90 | 70.177.1190.11FM | 96.92 |
| 125x90 | 70.177.1290.11FM | on application |
| 160x90 | 70.177.1690.11FM | 169.01 |
| 160x110 | 70.177.1611.11FM | 173.32 |
| 180x125 | 70.177.1812.11FM | on application |
| 225x160 | 70.177.2216.11FM | 393.37 |

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 | 70.174.0063.11FM | 38.40 |
| 75 | 70.174.0075.11FM | 60.73 |
| 90 | 70.174.0090.11FM | 85.79 |
| 110 | 70.174.0110.11FM | 110.08 |
| 125 | 70.174.0125.11FM | 135.28 |
| 140 | 70.174.0140.11FM | 177.55 |
| 160 | 70.174.0160.11FM | 190.02 |
| 180 | 70.174.0180.11FM | 249.53 |
| 200 | 70.174.0200.11FM | 295.02 |
| 225 | 70.174.0225.11FM | 347.76 |
| 250 | 70.174.0250.11FM | 559.37 |
| 280 | 70.174.0280.11FM | 768.57 |
| 315 | 70.174.0315.11FM | 955.95 |

Tee 90°

Short Spigots

| Size | Code | Price |
|------|------------------|---------|
| 63 | 70.006.0063.11FM | 17.99 |
| 75 | 70.006.0075.11FM | 36.20 |
| 90 | 70.006.0090.11FM | 54.06 |
| 110 | 70.006.0110.11FM | 79.40 |
| 125 | 70.006.0125.11FM | 109.31 |
| 140 | 70.006.0140.11FM | 138.52 |
| 160 | 70.006.0160.11FM | 233.04 |
| 180 | 70.006.0180.11FM | 298.63 |
| 200 | 70.006.0200.11FM | 428.11 |
| 225 | 70.006.0225.11FM | 509.02 |
| 250 | 70.006.0250.11FM | 647.59 |
| 280 | 70.006.0280.11FM | 872.33 |
| 315 | 70.006.0315.11FM | 1243.77 |
| 355 | 70.006.0355.11FM | 1453.59 |
| 400 | 70.006.0400.11FM | 2170.43 |

Tee 90°

Elongated

| Size | Code | Price |
|------|------------------|---------|
| 63 | 70.066.0063.11FM | 24.22 |
| 75 | 70.066.0075.11FM | 40.23 |
| 90 | 70.066.0090.11FM | 57.20 |
| 110 | 70.066.0110.11FM | 83.69 |
| 125 | 70.066.0125.11FM | 114.89 |
| 140 | 70.066.0140.11FM | 184.62 |
| 160 | 70.066.0160.11FM | 239.57 |
| 180 | 70.066.0180.11FM | 314.37 |
| 200 | 70.066.0200.11FM | 450.54 |
| 225 | 70.066.0225.11FM | 535.21 |
| 250 | 70.066.0250.11FM | 691.06 |
| 280 | 70.066.0280.11FM | 1033.40 |
| 315 | 70.066.0315.11FM | 1327.09 |

Reducing Tee 90°

Short Spigots

| Size | Code | Price |
|---------|------------------|--------|
| 125x63 | 70.016.1263.11FM | 105.62 |
| 125x90 | 70.016.1290.11FM | 105.61 |
| 140x63 | 70.016.1463.11FM | 132.50 |
| 140x90 | 70.016.1490.11FM | 134.67 |
| 140x110 | 70.016.1411.11FM | 134.67 |
| 160x125 | 70.016.1612.11FM | 223.44 |
| 180x63 | 70.016.1863.11FM | 277.42 |
| 180x110 | 70.016.1811.11FM | 277.42 |
| 180x125 | 70.016.1812.11FM | 286.33 |
| 225x125 | 70.016.2212.11FM | 483.05 |
| 250x110 | 70.016.2511.11FM | 637.55 |
| 250x160 | 70.016.2516.11FM | 650.72 |

Reducing Tee 90°

Elongated

| Size | Code | Price |
|---------|------------------|---------|
| 63x50 | 70.065.6350.11FM | 25.28 |
| 90x63 | 70.065.9063.11FM | 56.41 |
| 110x63 | 70.065.1163.11FM | 83.65 |
| 110x90 | 70.065.1190.11FM | 84.84 |
| 125x90 | 70.065.1290.11FM | 116.35 |
| 125x110 | 70.065.1211.11FM | 116.35 |
| 160x63 | 70.065.1663.11FM | 228.72 |
| 160x90 | 70.065.1690.11FM | 230.68 |
| 160x110 | 70.065.1611.11FM | 236.50 |
| 180x90 | 70.065.1890.11FM | 317.09 |
| 180x110 | 70.065.1811.11FM | 309.51 |
| 180x160 | 70.065.1816.11FM | 317.08 |
| 225x90 | 70.065.2290.11FM | 536.07 |
| 225x110 | 70.065.2211.11FM | 538.21 |
| 225x160 | 70.065.2216.11FM | 540.14 |
| 225x180 | 70.065.2218.11FM | 542.00 |
| 315x110 | 70.065.3111.11FM | 1459.80 |
| 315x160 | 70.065.3116.11FM | 1459.80 |
| 315x225 | 70.065.3122.11FM | 1526.11 |
| 315x250 | 70.065.3125.11FM | 1526.11 |

Reducer

Concentric

| Size | Code | Price |
|---------|------------------|--------|
| 90x63 | 70.009.9063.11FM | 29.42 |
| 110x63 | 70.009.1163.11FM | 37.39 |
| 110x90 | 70.009.1190.11FM | 37.39 |
| 125x63 | 70.009.1263.11FM | 48.05 |
| 125x90 | 70.009.1290.11FM | 48.05 |
| 125x110 | 70.009.1211.11FM | 48.05 |
| 140x90 | 70.009.1490.11FM | 58.14 |
| 140x110 | 70.009.1411.11FM | 58.14 |
| 140x125 | 70.009.1412.11FM | 67.98 |
| 160x90 | 70.009.1690.11FM | 67.98 |
| 160x110 | 70.009.1611.11FM | 67.98 |
| 160x125 | 70.009.1612.11FM | 67.98 |
| 160x140 | 70.009.1614.11FM | 67.98 |
| 180x90 | 70.009.1890.11FM | 106.76 |
| 180x110 | 70.009.1811.11FM | 100.52 |
| 180x125 | 70.009.1812.11FM | 92.69 |
| 180x140 | 70.009.1814.11FM | 88.01 |
| 180x160 | 70.009.1816.11FM | 83.96 |
| 225x140 | 70.009.2214.11FM | 287.29 |
| 225x160 | 70.009.2216.11FM | 246.61 |
| 225x180 | 70.009.2218.11FM | 234.82 |
| 250x160 | 70.009.2516.11FM | 329.23 |
| 250x180 | 70.009.2518.11FM | 304.65 |
| 250x225 | 70.009.2522.11FM | 265.79 |
| 280x200 | 70.009.2820.11FM | 383.56 |
| 280x225 | 70.009.2822.11FM | 357.61 |
| 280x250 | 70.009.2825.11FM | 344.32 |
| 315x225 | 70.009.3122.11FM | 413.97 |
| 315x250 | 70.009.3125.11FM | 378.39 |

Reducer

Concentric - Elongated

| Size | Code | Price |
|---------|------------------|--------|
| 90x63 | 70.067.9063.11FM | 30.03 |
| 110x63 | 70.067.1163.11FM | 40.42 |
| 110x90 | 70.067.1190.11FM | 40.42 |
| 125x63 | 70.067.1263.11FM | 48.53 |
| 125x90 | 70.067.1290.11FM | 48.53 |
| 125x110 | 70.067.1211.11FM | 48.59 |
| 140x125 | 70.067.1412.11FM | 69.84 |
| 160x90 | 70.067.1690.11FM | 93.24 |
| 160x110 | 70.067.1611.11FM | 93.52 |
| 160x125 | 70.067.1612.11FM | 93.52 |
| 160x140 | 70.067.1614.11FM | 90.44 |
| 180x125 | 70.067.1812.11FM | 121.19 |
| 180x160 | 70.067.1816.11FM | 121.19 |
| 225x160 | 70.067.2216.11FM | 213.64 |
| 250x160 | 70.067.2516.11FM | 288.89 |
| 250x225 | 70.067.2522.11FM | 302.19 |
| 280x250 | 70.067.2825.11FM | 402.71 |
| 315x225 | 70.067.3122.11FM | 518.13 |
| 315x250 | 70.067.3125.11FM | 518.13 |

Cap

Elongated

| Size | Code | Price |
|------|------------------|--------|
| 63 | 70.064.0063.11FM | 17.95 |
| 75 | 70.064.0075.11FM | 27.64 |
| 90 | 70.064.0090.11FM | 42.18 |
| 110 | 70.064.0110.11FM | 57.20 |
| 125 | 70.064.0125.11FM | 61.79 |
| 140 | 70.064.0140.11FM | 77.29 |
| 160 | 70.064.0160.11FM | 86.61 |
| 180 | 70.064.0180.11FM | 112.56 |
| 200 | 70.064.0200.11FM | 140.91 |
| 225 | 70.064.0225.11FM | 167.45 |
| 250 | 70.064.0250.11FM | 250.85 |
| 280 | 70.064.0280.11FM | 355.37 |
| 315 | 70.064.0315.11FM | 479.13 |

Cap

Short Spigot

| Size | Code | Price |
|------|------------------|--------|
| 355 | 70.004.0355.11FM | 356.34 |
| 400 | 70.004.0400.11FM | 479.13 |

FM approved fusion spigot fittings

Bend 90°

Short Spigots



| Size | Code | Price |
|------|------------------|---------|
| 250 | 70.001.0250.11FM | 478.30 |
| 280 | 70.001.0280.11FM | 619.60 |
| 315 | 70.001.0315.11FM | 858.51 |
| 355 | 70.001.0355.11FM | 1255.81 |
| 400 | 70.001.0400.11FM | 1724.59 |

Elbow 90°

Elongated



| Size | Code | Price |
|------|------------------|--------|
| 250 | 70.061.0250.11FM | 506.48 |
| 280 | 70.061.0280.11FM | 762.62 |
| 315 | 70.061.0315.11FM | 956.91 |

Elbow 45°

Elongated



| Size | Code | Price |
|------|------------------|--------|
| 63 | 70.060.0063.11FM | 26.31 |
| 75 | 70.060.0075.11FM | 33.94 |
| 90 | 70.060.0090.11FM | 40.95 |
| 110 | 70.060.0110.11FM | 78.52 |
| 125 | 70.060.0125.11FM | 96.99 |
| 140 | 70.060.0140.11FM | 126.89 |
| 160 | 70.060.0160.11FM | 146.68 |
| 180 | 70.060.0180.11FM | 160.56 |
| 200 | 70.060.0200.11FM | 219.46 |
| 225 | 70.060.0225.11FM | 261.49 |
| 250 | 70.060.0250.11FM | 506.48 |
| 280 | 70.060.0280.11FM | 762.60 |
| 315 | 70.060.0315.11FM | 956.91 |

Multi-Bend 90°

Elongated



| Size | Code | Price |
|------|------------------|--------|
| 63 | 70.068.0063.11FM | 15.89 |
| 75 | 70.068.0075.11FM | 21.88 |
| 90 | 70.068.0090.11FM | 31.78 |
| 110 | 70.068.0110.11FM | 60.46 |
| 125 | 70.068.0125.11FM | 85.18 |
| 140 | 70.068.0140.11FM | 113.91 |
| 160 | 70.068.0160.11FM | 138.78 |
| 180 | 70.068.0180.11FM | 164.35 |
| 200 | 70.068.0200.11FM | 244.87 |
| 225 | 70.068.0225.11FM | 292.05 |

Pressure Ratings

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

Bend 60°

Elongated



| Size | Code | Price |
|------|------------------|----------------|
| 90 | 70.398.0090.11FM | |
| 110 | 70.398.0110.11FM | |
| 125 | 70.398.0125.11FM | |
| 140 | 70.398.0140.11FM | |
| 160 | 70.398.0160.11FM | |
| 180 | 70.398.0180.11FM | on application |
| 200 | 70.398.0200.11FM | |
| 225 | 70.398.0225.11FM | |
| 250 | 70.398.0250.11FM | |
| 280 | 70.398.0280.11FM | |
| 315 | 70.398.0315.11FM | |

Bend 45°

Elongated



| Size | Code | Price |
|------|------------------|----------------|
| 90 | 70.397.0090.11FM | 114.27 |
| 110 | 70.397.0110.11FM | 217.52 |
| 125 | 70.397.0125.11FM | on application |
| 140 | 70.397.0140.11FM | on application |
| 160 | 70.397.0160.11FM | 322.62 |
| 180 | 70.397.0180.11FM | 389.97 |
| 200 | 70.397.0200.11FM | on application |
| 225 | 70.397.0225.11FM | 499.60 |
| 250 | 70.397.0250.11FM | 781.43 |
| 280 | 70.397.0280.11FM | on application |
| 315 | 70.397.0315.11FM | on application |

Bend 30°

Elongated



| Size | Code | Price |
|------|------------------|----------------|
| 90 | 70.396.0090.11FM | 114.27 |
| 110 | 70.396.0110.11FM | 217.52 |
| 125 | 70.396.0125.11FM | on application |
| 140 | 70.396.0140.11FM | on application |
| 160 | 70.396.0160.11FM | 345.08 |
| 180 | 70.396.0180.11FM | 389.97 |
| 200 | 70.396.0200.11FM | on application |
| 225 | 70.396.0225.11FM | 499.60 |
| 250 | 70.396.0250.11FM | 759.51 |
| 280 | 70.396.0280.11FM | on application |
| 315 | 70.396.0315.11FM | on application |

Bend 22°

Elongated



| Size | Code | Price |
|------|------------------|----------------|
| 90 | 70.395.0090.11FM | 114.27 |
| 110 | 70.395.0110.11FM | 217.52 |
| 125 | 70.395.0125.11FM | on application |
| 140 | 70.395.0140.11FM | on application |
| 160 | 70.395.0160.11FM | 322.62 |
| 180 | 70.395.0180.11FM | 389.97 |
| 200 | 70.395.0200.11FM | on application |
| 225 | 70.395.0225.11FM | 499.60 |
| 250 | 70.395.0250.11FM | 781.43 |
| 280 | 70.395.0280.11FM | on application |
| 315 | 70.395.0315.11FM | on application |

Bend 11°

Elongated



| Size | Code | Price |
|------|------------------|----------------|
| 90 | 70.394.0090.11FM | 114.27 |
| 110 | 70.394.0110.11FM | 217.52 |
| 125 | 70.394.0125.11FM | on application |
| 140 | 70.394.0140.11FM | on application |
| 160 | 70.394.0160.11FM | 322.62 |
| 180 | 70.394.0180.11FM | 389.97 |
| 200 | 70.394.0200.11FM | on application |
| 225 | 70.394.0225.11FM | 499.60 |
| 250 | 70.394.0250.11FM | 781.43 |
| 280 | 70.394.0280.11FM | on application |
| 315 | 70.394.0315.11FM | on application |

FM approved fusion spigot fittings

Stub Flange

Short Spigots

| Size | Code | Price |
|------|------------------|--------|
| 63 | 70.012.0063.11FM | 10.54 |
| 75 | 70.012.0075.11FM | 12.42 |
| 90 | 70.012.0090.11FM | 17.81 |
| 110 | 70.012.0110.11FM | 22.91 |
| 125 | 70.012.0125.11FM | 27.63 |
| 140 | 70.012.0140.11FM | 32.32 |
| 160 | 70.012.0160.11FM | 40.71 |
| 180 | 70.012.0180.11FM | 63.26 |
| 200 | 70.012.0200.11FM | 69.62 |
| 225 | 70.012.0225.11FM | 77.57 |
| 250 | 70.012.0250.11FM | 117.72 |
| 280 | 70.012.0280.11FM | 128.29 |
| 315 | 70.012.0315.11FM | 151.55 |
| 355 | 70.012.0355.11FM | 269.02 |
| 400 | 70.012.0400.11FM | 529.98 |

Backing Ring

Polypropylene with Steel Core

| Size | Code | Price |
|------|----------------|--------|
| 63 | 14.014.0063.11 | 28.06 |
| 75 | 14.014.0075.11 | 31.16 |
| 90 | 14.014.0090.11 | 36.82 |
| 110 | 14.014.0110.11 | 43.76 |
| 125 | 14.014.0125.11 | 43.76 |
| 140 | 14.014.0140.11 | 67.40 |
| 160 | 14.014.0160.11 | 77.19 |
| 180 | 14.014.0180.11 | 77.19 |
| 200 | 14.014.0200.11 | 109.89 |
| 225 | 14.014.0225.11 | 109.89 |
| 250 | 14.014.0250.11 | 175.48 |
| 280 | 14.014.0280.11 | 175.48 |
| 315 | 14.014.0315.11 | 220.50 |
| 355 | 14.014.0355.11 | 464.45 |
| 400 | 14.014.0400.11 | 526.19 |

Stub Flange

Elongated

| Size | Code | Price |
|------|------------------|--------|
| 63 | 70.062.0063.11FM | 14.20 |
| 75 | 70.062.0075.11FM | 18.44 |
| 90 | 70.062.0090.11FM | 23.96 |
| 110 | 70.062.0110.11FM | 30.58 |
| 125 | 70.062.0125.11FM | 37.24 |
| 140 | 70.062.0140.11FM | 48.02 |
| 160 | 70.062.0160.11FM | 54.89 |
| 180 | 70.062.0180.11FM | 84.56 |
| 200 | 70.062.0200.11FM | 96.48 |
| 225 | 70.062.0225.11FM | 103.88 |
| 250 | 70.062.0250.11FM | 159.75 |
| 280 | 70.062.0280.11FM | 241.18 |
| 315 | 70.062.0315.11FM | 307.06 |

Blind Flange

Polypropylene with steel insert

| Size | Code | Price |
|------|----------------|---------|
| 63 | 14.045.0063.11 | 112.68 |
| 75 | 14.045.0075.11 | 131.88 |
| 90 | 14.045.0090.11 | 145.19 |
| 110 | 14.045.0110.11 | 198.18 |
| 125 | 14.045.0125.11 | 198.18 |
| 140 | 14.045.0140.11 | 243.56 |
| 160 | 14.045.0160.11 | 307.26 |
| 180 | 14.045.0180.11 | 307.26 |
| 200 | 14.045.0200.11 | 341.87 |
| 225 | 14.045.0225.11 | 341.87 |
| 250 | 14.045.0250.11 | 446.85 |
| 280 | 14.045.0280.11 | 446.85 |
| 315 | 14.045.0315.11 | 651.70 |
| 355 | 14.045.0355.11 | 1272.70 |
| 400 | 14.045.0400.11 | 1454.50 |

Stub Flange

To adapt to cast iron flanges

| Size | Code | Price |
|------|------------------|----------------|
| 63 | 70.912.0063.11FM | |
| 90 | 70.912.0090.11FM | |
| 110 | 70.912.0110.11FM | |
| 125 | 70.912.0125.11FM | |
| 140 | 70.912.0140.11FM | |
| 160 | 70.912.0160.11FM | |
| 180 | 70.912.0180.11FM | on application |
| 225 | 70.912.0225.11FM | |
| 250 | 70.912.0250.11FM | |
| 280 | 70.912.0280.11FM | |
| 315 | 70.912.0315.11FM | |
| 355 | 70.912.0355.11FM | |
| 400 | 70.912.0400.11FM | |

Stub Gasket

EPDM

| Size | Code | Price |
|------|-------------|-------|
| 63 | 861-ISO-020 | 2.50 |
| 75 | 861-ISO-075 | 3.07 |
| 90 | 861-ISO-031 | 3.30 |
| 110 | 861-ISO-041 | 4.80 |
| 110 | 861-ISO-040 | 4.80 |
| 140 | 861-ISO-051 | 6.17 |
| 160 | 861-ISO-061 | 7.07 |
| 180 | 861-ISO-180 | 14.05 |
| 200 | 861-ISO-080 | 14.05 |
| 200 | 861-ISO-082 | 14.05 |
| 250 | 861-ISO-100 | 17.24 |
| 250 | 861-ISO-101 | 17.24 |
| 315 | 861-ISO-121 | 19.42 |
| 355 | 861-ISO-141 | 27.54 |
| 400 | 861-ISO-161 | 30.35 |



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 fulfill 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 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 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 its 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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