

**Ashworth**

SUPPLYING MECHANICAL SERVICES  
AND PROCESS CONTRACTORS

# FIRE PROTECTION PRODUCT OVERVIEW



[www.ashworth.eu.com](http://www.ashworth.eu.com)

# Welcome to Ashworth

Ashworth has long been recognised as a competitive, reliable & efficient supplier to the Fire Protection Market. Ashworth's product offering has grown and is now more diverse to include valves, plastics and other installer focussed products in addition to vital traditional components such as Tube, Couplings and Fittings.

At Ashworth customer service is paramount, so we have regionally focussed highly skilled internal and external sales personnel.

Ashworth also acknowledge that stock and supply of product is critical to a Fire Protection Fabricator or Engineers success and therefore significant stock holdings are in place coupled with an improved logistics infrastructure to meet the needs of Major Projects and Small Works.

Ashworth are striving to deliver the Complete Fire Protection Offering.



## Service

We pride ourselves on supplying an unrivalled range of products and services from recognised market leading manufacturers. These products are stocked in depth at all our sites which are linked via a sophisticated IT network to facilitate the sourcing of additional products in rapid time, thus improving on-site deliveries.

We service the UK from our network of strategically placed branches, all of which employ teams of knowledgeable staff equipped to answer the needs of our customers' enquiries.

They are all trained to problem solve received enquiries, whether that be sourcing a new range of products or simply providing service on our stocked ranges.

We strive to be at the forefront of innovations and will introduce new product ranges and services on a regular basis, thus providing our customers with the opportunity to differentiate their own service to their clients.

Our objectives in service are to provide:

- A friendly and helpful service to all our customers
- A quick and efficient response to all enquiries
- A core range of products to satisfy immediate customer requirements
- Innovative and efficient solutions to customer needs

### PART OF A GLOBAL NETWORK, WITH STRONG SISTER BRANDS

As part of internationally renowned Saint-Gobain Building Distribution we have the backing of a global company. Furthermore, we can draw upon many major sister brands in helping our customers source what they need for the job.

## Our Customers













As a leading distributor of quality products and services to the mechanical services and process industries markets, we cover a wide range of customer types, both large and small. We focus our expertise specifically to our customers in our chosen markets.

These include:

- Fire protection contractors and fabricators
- Mechanical services contractors
- Plumbers
- Heating engineers
- Drainage contractors
- Local and government authorities
- International petrochemical companies and associated contractors
- OEM and in-house company engineers
- Secondary distribution channels



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## Conversion Tables

Inches	NBmm	ODmm
1"	25mm	33.7mm
1 ¼"	32mm	42.4mm
1 ½"	40mm	48.3mm
2"	50mm	60.3mm
2 ½"	65mm	76.1mm
3"	80mm	88.9mm
4"	100mm	114.3mm
5"	125mm	139.7mm
6"	150mm	165.1mm
8"	200mm	219.1mm
10"	250mm	273.0mm
12"	300mm	323.9mm

LENGTH	ins to mm	25.40000	mm to ins	0.03937
	ft to m	0.30480	m to ft	3.28084
AREA	ins <sup>2</sup> to mm <sup>2</sup>	645.16000	mm <sup>2</sup> to ins <sup>2</sup>	0.00155
	ft <sup>2</sup> to m <sup>2</sup>	0.09290	m <sup>2</sup> to ft <sup>2</sup>	10.76390
VOLUME	ins <sup>3</sup> to mm <sup>3</sup>	16387.10000	mm <sup>3</sup> to ins <sup>3</sup>	0.00006
	ft <sup>3</sup> to m <sup>3</sup>	0.02831	m <sup>3</sup> to ft <sup>3</sup>	35.31470
CAPACITY	pints to litres	0.56820	litres to pints	1.75980
	gallons to litres	4.54600	litres to gallons	0.21998
WEIGHT	lbs to kg	0.45360	kg to lbs	2.204622
	tons to tonnes	1.01600	tonnes to tons	0.98420
PRESSURE	lbs/in <sup>2</sup> to kN/m <sup>2</sup>	6.89476	kN/m <sup>2</sup> to lbs/in <sup>2</sup>	0.14500
HEAT FLOW	BTU/h to Watts	0.29310	Watts to BTU/h	3.41300
TEMPERATURE	°F to °C	-32 x 0.55R		
	°C to °F	x 1.8 + 32		

# Corus Steel Tube

## EN10255 Corus Steel Tube

Corus have years of experience in the manufacture and supply of high quality steel tube. EN10255 has been recognised as the market leader for many years. Now named Corus Install, EN10255 is better than ever before and provides a cost effective, high quality surface finish perfect for fire protection installations.

Ashworth offer a wide range of Corus Install EN10255 steel tube.

Recognised as the premier tube on the market, Corus Install tube is:-

- Threadable, bendable weldable, grooveable and reliable
- Ends — available Plain Ended, Screwed & Socketed or Grooved
- Lengths — Randoms & Half Randoms (bespoke lengths available on request)
- Finish - available Self Colour, Galvanised or Red Oxide
- Weight — available Light, Medium or Heavy weight
- Stock — readily available in all finishes

The red painted tube provides a cost effective, high quality surface finish ready for installation.

## Large Diameter API Tube

As the market leader in Industry it is no surprise that Ashworth offer a complete selection of large Diameter Pipes. Amongst these is API Tube, common to the Fire Protection market.

- 8", 10" & 12" API Pipe, SCH 20

## High Pressure A106 Tube

Ashworth offer A106 Tube for high pressure Fire Protection systems.

Other steel  
tube is available



## Weld Fittings



### BS1640 Fittings

- Elbows (45° & 90°), Tees, Reducers (Eccentric & Concentric)
- Designed primarily for use with API Tube (also suitable for certain diameters of EN10255 Tube)
- Weld Outlets
- Available Standard Weight, Extra Strong & Schedule 20 (other styles available on request)

### BS1740/EN 10241 Wrought Iron/Wrought Steel Fittings (300 psi)

For higher pressure water applications Ashworth offer a range of traditional Wrought Iron Fittings including:

- Tees, Elbows, Reducers - Fittings
- For use primarily with Heavy weight tube (also suitable for Medium weight tube)

### BS1965 Fittings

- Elbows (45° & 90°), Tees, Reducers (Eccentric & Concentric)
- Available Medium & Heavy weight
- Profiled Weld Sockets (C-Lets)
- Weld Outlets (Threaded & plain)
- Designed primarily to suit EN10255 Tube
- Profiled Weld Branches

### 3000lb Fittings

- Threaded (NPT or BSP) and Socket Weld
- Designed primarily for use with heavy weight and A106 Tube

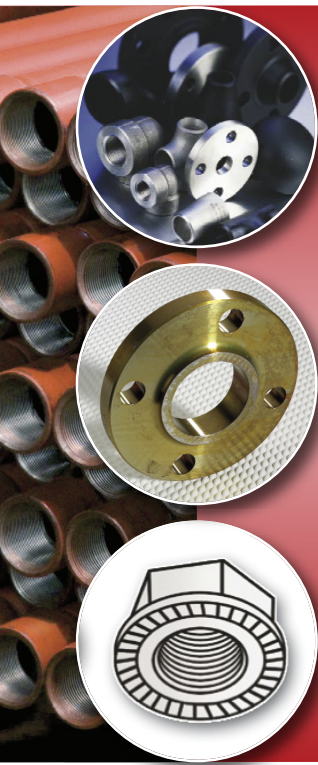


## Nipples

- Barrel Nipples
- Running Nipples (Parallel Thread)
- Close Taper

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# Flanges & Accessories



## BS4504 Flanges

- Available Black or Galvanised
- PN6, 10, 16, 20, 25, 40 (other pressure rated flanges available on request)
- Available in the following styles –
  - Weld-neck
  - Slip-on weld plate
  - Slip-on weld boss
  - Screwed
  - Blank

## BS10 Flanges

- ½ inch to 12 inch diameters, various thicknesses available and in stock (Table D and E from Ashworth Flange Chart Brochure)
- Many other diameters, thicknesses, and styles available on request.

## Nuts, Bolts & Washers

Ashworth offer the complete range of nuts, bolts and washers to suit all flange types and sizes.

## Rubber Flange Gaskets

Available to the following standards:

- NP16 - IBC
- ASA 150 – IBC

## ASA 150 R/F Flanges

- Available Black or Galvanised
- 150, 300 (Raised Face)
- Slip-on
- Weld-neck
- Blank
- Schedule 20, Extra Strong
- Manufactured to A105N material specification
- 4504 specification – EN10025F235JR F235JR

# Malleable Iron Fittings

## Crane

Crane Malleable Iron Fittings BS EN 10242 (formerly BS 143) are available in either Galvanised or Black Finish, with screwed ends BSP Taper Threads to BS21 and ISO 7 standards. Full Size range to 6" (150 mm).

**CRANE**

## Georg Fisher

Georg Fisher Malleable Iron Fittings BS EN 10242 (formerly BS 143) are available in either Galvanised or Black Finish, with screwed ends BSP Parallel Threads to BS21 and ISO 7 standards. Full Size range to 6" (150 mm).

**+GF+**

Both Crane and Georg Fisher offer the complete range of Pipe Fittings:

Elbows, Tees, Reducers, Hexagon Nipples, Bushes, Couplings, etc, all available in hundreds of permutations of sizes and outlet arrangements.



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# Grooved Couplings & Fittings

## Victaulic

Fire protection contractors and engineers have long realised the benefits of grooved pipe systems; offering greater system design flexibility and faster, more efficient installations.

Recognised as the standard in grooved fire protection systems, Victaulic FireLock couplings, fittings and accessories are fully LPCB approved and also conform to all international Fire Protection standards and approvals including UL, FM, VdS and CE.

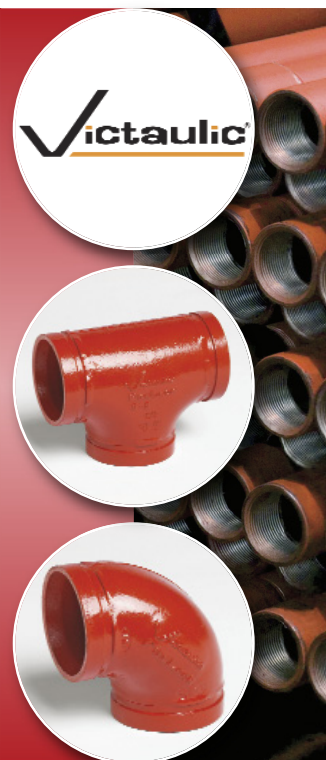
Victaulic Firelock Couplings and Fittings are specifically designed for Fire Protection applications. All products are LPCB approved in addition to all other international Fire Protection standards.

### Couplings:

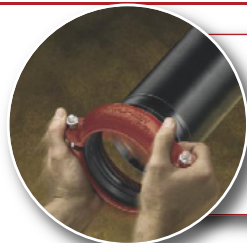
- Style 005 Firelock Rigid Couplings
- Style 75 Flexible Couplings
- Style 750 reducing Couplings
- Style 741 Firelock Flange Adaptor
- Style 10DR 90° Drain Elbow
- Style 009V Firelock EZ 'Fast fit' Rigid Couplings
- Style 920/920N Mechanical Tees – with Grooved or Threaded Outlets

### Firelock Grooved Fittings:

- Style 001 90° Elbow
- Style 002 Equal Tee
- Style 003 45° Elbow
- Style 60 Blank Ends
- Firelock EZ Coupling



## Firelock EZ Coupling



**1. PUSH IT!** Push the Firelock EZ onto a grooved pipe end or component. The centre lip of the gasket assures proper placement.



**2. JOIN IT!** Push the second pipe or component up to the centre leg of the gasket.



**3. DRIVE IT!** Tighten the two bolts for proper installation.

### Victaulic Firelock EZ Coupling - Style 009V

In about the time it takes you to read this, you can install the new FireLock EZ coupling.

The ridged coupling has never been this fast or this easy. But then, there's never been a coupling like the FireLock EZ from Victaulic. Designed by contractors for contractors, it installs in significantly less time than a standard joint.

The unique Firelock EZ coupling installs as a single unit; there is no need to undo the Coupling housing, nuts or bolts - the fastest and easiest to install rigid coupling.

Firelock EZ is available from 32mm (1 ¼") to 100mm (4")

Benefits of FireLock EZ:

The FireLock EZ Rigid Coupling offers:

- Installation as a single unit, no loose parts to drop.
- Same groove design as other Victaulic couplings.
- Faster, easier installation.
- Stock availability through the Ashworth branch network.



# Pipe Hanging System

A complete range of Brackets and Hangers for the Fire Protection Market. The range is made up from high quality items from leading manufacturers such as Unistrut, Lindapter and Debro.

## The Hanging Systems range includes:

- Channel
- Pipe Supports
- Pipe Clips (Malleable, Bronze & Plastic)
- Insulating Blocks
- Fasteners
- Pipe Brackets
- Support & Decking Fixings

## Now Available

A specific Hanging System product brochure and price list are available that details and prices all items available. Just ask your local Ashworth Sales Representative or call your Ashworth branch.



# Blazemaster CPVc Fire Sprinkler Systems

CPVc fire sprinkler systems offer the fire protection industry an alternative to traditional steel systems

- Retains the reliability and performance of traditional piping systems
- Quick and simple to install
- Ability to fabricate on-site
- Clean product to install
- Reduced Material Costs
- LPCB, UL & FM approved
- Broad range of Pipe and Fittings including:
  - Equal & reduced Tees
  - Crosses
  - Couplings
  - Flange Connector
  - Simple solvent cement jointing method
  - Lightweight and easy to handle
  - No special tools required
  - No hot works
  - Sizes: 20mm (3/4") to 80mm (3")
  - Threaded Sprinkler Head Tees
  - Elbows (90°, 45°, 22.5°)
  - Caps
  - Unions & Transition Fittings

**BlazeMaster**<sup>®</sup>  
FIRE SPRINKLER SYSTEMS



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# Fire Protection Valves

Our range of valves are specifically designed for use within fire protection piping installations.

The range includes:

- Grooved, Threaded, Flanged
- Gate
- Check (Swing / Wafer)
- Equilibrium Ball Float Valve
- Butterfly
- OS&Y + Vertical Indicator Post
- Ball (lockable) & Gate

## Alarm Valves

Ashworth offer the NEW Victaulic range of Alarm valves:-

- NXT range: 768 – Dry Valve, 769 – Deluge Valve, 769 – Preaction, 764 – Alternate Wet or Dry Valve
- Firelock Wet Valves: 751 & 759
- Riser Check Valve

The benefits of the Victaulic range of Alarm valves:-

- Lower operating pressure requirements
- Reduced trim footprint
- Fewer internal moving parts
- The most simplistic wet to dry alternate valve
- Ultra-fast trip time and delivery
- Easy to install, service and maintain
- Light-weight design
- Out of box installation

All valves are available complete with trim.

All valves have LPCB approval (in addition to all other international standards such as UL, FM and VdS).



## Sprinkler Heads & Accessories

Ashworth offers a broad range of LPC and UL/FM approved Sprinkler heads.

The range includes standard and conventional orifice heads to the more specific extended coverage and dry heads.

**All heads are available as:**

- Pendant, Upright or Wall Mounted
- Concealed heads
- Brass, white or custom finishes and special coatings

**Standard Commercial**

- Standard, Conventional or Large Orifice

**Storage**

- ELO and intermediate Level

**Extended Coverage**

- ECLH and ECOH

**Dry**

- Pendant, Upright, concealed or horizontal

**Sprinkler Accessories**

A complete line of specifically designed sprinkler wrenches, spares and accessories is available



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# Mapress Pressfit System

The Geberit Mapress pressfitting system offers an excellent solution for Sprinkler installations.

## Applications:

- Suitable for Wet and Dry fire protection systems, both spray and mist types.
- FM/UL/VdS Approved
- LPCB Approval pending

## Benefits of the cold pressed jointing method over traditional methods:

- Simplistic accurate jointing process
- Quick to install - Reduced installation time reductions of over 35%
- Clean jointing method
- Easy handling — offering weight savings up to 60%
- No Fire Hazard - No flames or hazardous chemicals required to make the joint
- No Consumables required such as gas, solvents or sealing compounds
- Ideal for fabrication and modular design — reducing on site installation time
- Aesthetically — slim-line fittings and available in carbon steel, galvanised or stainless steel



## Dry Riser /Flow Equipment Consumables & Grooving Tools

### DRY RISER EQUIPMENT

- Flow Meters
- Flow Sensors
- Waterflow Detectors

- Flow Switches
- Pressure Gauges & Pressure Switches
- Supervisory Switches

### FLOW EQUIPMENT

Ashworth can supply a range of Victaulic grooving Tools to suit all situations.

#### On-site Fabrication

- VE270FSD
- VE272SFS

#### Shop Fabrication

- VE268

#### Lightweight portable site fabrication machine

- Groove-n-Go
- Selection of Hand Groovers (VE12, VE26 and VE46)

### CONSUMABLES

- Boss White
- Cotton
- Paint Brushes
- Arbours
- Protective Gloves

- PTFE Tape
- Red Oxide Paint
- Holesaws
- Drillbits



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# Branches

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London, W3 7RR

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## Bellshill

Marion Street, Off Main Street, Mossend,  
Bellshill, ML4 1EB

Tel: 01698 742839 Fax: 01698 745820

## Bristol

Unit 9, Oak Lane, Fishponds Trading Estate  
Bristol, BS5 7UY

Tel: 0117 961 7000 Fax: 0117 961 7001

## Bromford Lane

Graham, Unit 2, Bromford Central, Bromford Lane,  
Birmingham, West Midlands B8 2SE

Tel: 0121 325 8350 Fax: 0121 325 8351

## Leeds

Jawbone Industrial Est, Wood Lane, Rothwell  
Leeds LS26 0RS

Tel: 0113 282 0002 Fax: 0113 282 5572

## Radcliffe

Higher Ainsworth Road, Radcliffe  
Manchester, M26 4AF

Tel: 0161 723 3468 Fax: 0161 724 6800

## Reading

Ashworth/Graham, Cradock Road,  
Reading, RG2 0JU

Tel: 0118 987 5321 Fax: 0118 933 8003



## Rochester

Neptune Way, Medway City Estate, Rochester  
Kent, ME2 4NA

Tel: 01634 290731 Fax: 01634 290778

## Wednesfield

Neachells Lane, Wednesfield  
Wolverhampton, WV11 3QF

Tel: 01902 867400 Fax: 01902 867499

