

Couplings



Victaulic®, the originator and innovator of grooved pipe joining technology, offers a wide variety of coupling styles and sizes for fire protection systems. In 1952, Victaulic developed the first UL Listed coupling and continues to build upon this legacy, providing products that facilitate fast and consistent installation. One key product development was the FireLock EZ™ Installation-Ready™ technology, eliminating the need to disassemble and reassemble components during installation.






Couplings

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Couplings

Gasket Type	Style 009N	Style 005	Style 07	Style 107N	Style 77	Style 177N	Style 75	Style 750	Style W77	Style 489	Style 72 †	Style HP-70	Style 791
Standard 		•	•		•		•				•	•	•
Reducing 								•					
Flush-Seal™ 		•	•		•		•		•				•
Installation-Ready™ 	•			•		•							

† Separate gasket specifically designed for outlet couplings.

FireLock EZ™ Style 009N

Installation-Ready means fast, dependable no-nonsense productivity

Improved:

- 50% Reduced installation effort
- 100% Improved battery life

Continued:

- Fast, consistent installation
- Easy visual confirmation

As easy as it gets:

- No loose parts to drop or cause injury
- Ships ready to install
- 1¼–12" | DN32–DN300
- Pressures up to 365 psi | 2517 kPa | 25 bar



Couplings

INSTALLATION-
READY™

FireLock EZ™ Rigid Coupling

STYLE 009N

[Download publication 10.64](#) for complete information

- Angled bolt pad provides rigidity
- Sizes 1¼ – 12" | DN32 – DN300
- Pressures up to 365 psi | 2517 kPa | 25 bar

Certifications/Listings:



FireLock™ Rigid Coupling

STYLE 005H

[Download publication 10.02](#) for complete information

- Angled bolt pad provides rigidity
- Sizes 1¼ – 8" | DN32 – DN200
- Pressures up to 350 psi | 2413 kPa | 24 bar

Certifications/Listings:

INSTALLATION-
READY™

QuickVic™ Rigid Coupling

STYLE 107N

[Download publication 06.23](#) for complete information

- Angled bolt pad provides rigidity
- Sizes from 2 – 12" | DN50 – DN300
- Pressures up to 750 psi | 5171 kPa | 52 bar

Certifications/Listings:





Zero-Flex™ Rigid Coupling

STYLE 07

[Download publication 06.02](#) for complete information

- Angled bolt pad provides rigidity
- Sizes from 1–12" | DN25–DN300
- Pressures up to 750 psi | 5171 kPa | 52 bar
- For sizes 14–50" | DN350–DN1250, [download publication 20.02](#) for information on AGS Style W07

Certifications/Listings:



QuickVic™ Flexible Coupling

STYLE 177N

[Download publication 06.24](#) for complete information

- Sizes from 2–8" | DN50–DN200
- Pressures up to 1000 psi | 6895 kPa | 69 bar

Certifications/Listings:



Flexible Coupling

STYLE 77

[Download publication 06.04](#) for complete information

- Cross-ribbed, two piece housing construction
- Sizes from ¾–24" | DN20–DN600
- Pressures up to 1000 psi | 6895 kPa | 69 bar
- For sizes 14–72" | DN350–DN1800, [download publication 20.03](#) for information on AGS Style W77

Certifications/Listings:



Couplings



Certifications/Listings:



Flexible Coupling

STYLE 75

[Download publication 06.05](#) for complete information

- Lightweight coupling for moderate pressures
- Sizes from 1–8" | DN25–DN200
- Pressures up to 500 psi | 3447 kPa | 34 bar



Certifications/Listings:



Reducing Coupling

STYLE 750

[Download publication 06.08](#) for complete information

- Replaces two couplings and a reducing fitting
- Sizes from 2–10" | DN50–DN250
- Pressures up to 500 psi | 3447 kPa | 34 bar



Certifications/Listings:



AGS Flexible Coupling

STYLE W77

[Download publication 20.03](#) for complete information

- Unique wedge shaped key profile increases allowable pipe end separation
- Sizes from 14–72" | DN350–DN1800
- Pressures up to 350 psi | 2413 kPa | 24 bar
- For original groove sizes ¾–24" | DN20–DN600 (Style 77), [download publication 06.04](#);
For original groove couplings featuring *Installation-Ready* technology sizes 2–8" | DN50–DN200 (Style 177N), [download publication 06.24](#)



Rigid Coupling for Type 316 Stainless Steel

STYLE 489

[Download publication 17.25](#) for complete information

- Greatly reduces linear or angular movement and is useful for valve connections where rigidity is required
- Sizes from 1½–12" | DN40–DN300
- Pressures up to 600 psi | 4137 kPa | 41 bar
- For the duplex stainless steel coupling, [download publication 17.33](#) for Style 489DX

Certifications/Listings:



Outlet Coupling

STYLE 72

[Download publication 06.10](#) for complete information

- Joining device to provide an integral reducing outlet
- Sizes from 1½–6" | DN40–DN150
- Pressures up to 500 psi | 3447 kPa | 34 bar

Certifications/Listings:



High Pressure Rigid Coupling

STYLE HP-70

[Download publication 06.12](#) for complete information

- Heavy housing for high pressure service
- Sizes from 2–16" | DN50–DN400
- Pressures up to 1000 psi | 6895 kPa | 69 bar

Certifications/Listings:



Couplings



Certifications/Listings:

**Vic-Boltless Coupling and Tool**

STYLE 791 COUPLING AND 792 TOOL

[Download publication 06.11](#) for complete information

- Provides a secure, tamper resistant, low profile joint
- Installed only with Victaulic® Style 792 tool
- Sizes from 2–8" | DN50–DN200
- Pressures up to 700 psi | 4826 kPa | 48 bar

A diagonal banner with the text "INSTALLATION-READY™" in white on a black background.



Certifications/Listings:

**Plain End Installation-Ready™
Refuse-to-Fuse™ Coupling for
HDPE Pipe**

STYLE 905

[Download publication 19.07](#) for complete information

- Designed for plain end HDPE pipe from DR7–DR17
- Sizes from 2–8" IPS and 63–225mm ISO
- Pressure rating meets or exceeds the performance capabilities of the pipe

A diagonal banner with the text "INSTALLATION-READY™" in white on a black background.



Certifications/Listings:

**Refuse-to-Fuse™ Coupling for
HDPE-to-Steel Pipe**

STYLE 907

[Download publication 19.10](#) for complete information

- Designed to provide a single transition from plain end HDPE pipe from DR7–DR17 to grooved steel sized piping system components
- Sizes from 2–8" IPS HDPE to 2–8" IPS grooved steel
- Sizes from 63–225 mm ISO HDPE to 2–8" ISO grooved steel
- Pressure rating meets or exceeds the performance capability of the pipe



FireLock™ Flange Adapter

STYLE 744

[Download publication 10.04](#) for complete information

- ANSI Class 125 and 150 flanges
- Sizes 2–8" | DN50–DN200
- Pressures up to 175 psi | 1207 kPa | 12 bar
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



Vic-Flange Adapter

STYLE 741

[Download publication 06.06](#) for complete information

- ANSI Class 125 and 150, Australian Standard Table E, PN10/16, and JIS 10K
- Sizes from 2–24" | DN50–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.04](#) for information on AGS Style W741

Certifications/Listings:



Vic-Flange Adapter

STYLE 743

[Download publication 06.06](#) for complete information

- ANSI Class 300 flanges
- Sizes from 2–12" | DN50–DN300
- Pressures up to 720 psi | 4964 kPa | 50 bar

Certifications/Listings:







Fittings





Committed to innovation, Victaulic® FireLock™ Installation-Ready™ fittings and FireLock IGS for small diameter (1-inch) applications continue the tradition of enhancing ease and speed of installation. Rendering threaded connections obsolete, Victaulic mechanical joining solutions ensure complete system confidence and increase jobsite safety.









FireLock Installation-Ready™ Fittings

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	Straight Tee (No. 102)	18
	Close Nipple (No. 143)	18

Standard Grooved End Fittings

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FireLock Fittings

	90° Elbow (No. 001)	18
	45° Elbow (No. 003)	18
	Straight Tee (No. 002)	18
	Cap (No. 006)	18
	Drain Elbow (No. 10-DR)	18
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Innovative Groove System (IGS) products feature a new, patented IGS groove specification, optimized for 1-inch pipe, and are cULus Listed and FM Approved for service up to 365 psi | 2517 kPa | 25 bar.

See pg. 21 for more information.

INSTALLATION-READY™



FireLock™ Installation-Ready™ Fittings

NO. 101 90° ELBOW, NO. 103 45° ELBOW,
NO. 102 STRAIGHT TEE, NO. 143 CLOSE NIPPLE

[Download publication 10.06](#) for complete information

- Convenience of a one-piece fitting with the dependability of the FireLock EZ™ Style 009N rigid coupling
- Up to 4 times faster to install than traditional couplings and fittings
- Up to 10 times faster to install than threading
- Fittings available from 1¼–2½" | DN32 – 73.0 mm, and DN65
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



FireLock™ Fittings

NO. 001 90° ELBOW
NO. 003 45° ELBOW
NO. 002 STRAIGHT TEE
NO. 006 CAP

[Download publication 10.03](#) for complete information

- *FireLock* full-flow elbows and tees feature CAD-developed, hydrodynamic design, affording a shorter center-to-end dimension than standard fittings
- Noticeable bulge allows the water to make a smoother turn to maintain similar flow characteristics as standard full flow fittings
- Fittings available from 1¼–8" | DN32–DN200

Certifications/Listings:



Drain Elbow

NO. 10-DR

[Download publication 10.05](#) for complete information

- Standard fitting pressure ratings conform to ratings of installed coupling
- All fittings supplied with grooves for fast installation
- Fittings available from 2½–6" | 73.0 mm–DN150

Certifications/Listings:



Fittings



Vic™-End II End of Run Elbow

NO. 67

[Download publication 10.21](#) for complete information

- Standard fitting pressure ratings conform to ratings of installed coupling
- All fittings supplied with grooves for fast installation
- Fittings available from 1¼–3" | DN32–DN80

Certifications/Listings:



Standard Grooved End Fittings

NO. 10 90° ELBOW

NO. 11 45° ELBOW

NO. 20 STRAIGHT TEE

NO. 60 CAP

[Download publication 07.01](#) for complete information on original grooved end fittings for carbon steel pipe

- Standard fitting pressure ratings conform to ratings of installed coupling
- All fittings supplied with grooves for fast installation
- Fittings available from ¾–12" | DN20–DN600

Certifications/Listings:



Innovative Groove System *IGS*

Innovative Groove System (IGS) products feature a new, patented IGS groove specification, optimized for 1-inch pipe, and are cULus Listed and FM Approved for service up to 365 psi | 2517 kPa | 25 bar. Eliminating the use of pipe wrenches, which can cause injury from repeated strenuous motion, the combination of products allows customers to prep and install hard pipe faster and cleaner. The roll groove maintains pipe thickness, therefore improving corrosion resistance and provides a visual confirmation of pad-to-pad installation.

- Regional availability, contact [Victaulic](#) for details





FireLock IGS Installation-Ready™ Fittings

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FireLock IGS Installation-Ready™ Coupling

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INSTALLATION-
READY™



FireLock™ IGS Installation-Ready™ Fittings

NO. 101 90° ELBOW
NO. 102 STRAIGHT TEE

[Download publication 10.54](#) for complete information

- Convenience of a one-piece fitting with the dependability of the FireLock EZ™ Style 009N rigid coupling
- Utilizes the proprietary IGS groove specification, [download publication 25.14](#)
- Optimized for 1" | DN25 pipe
- Pressures up to 365 psi | 2517 kPa | 25 bar

Certifications/Listings:



INSTALLATION-
READY™



FireLock™ IGS Installation-Ready™ Rigid Coupling

STYLE 108

[Download publication 10.54](#) for complete information

- Patent pending one-bolt coupling
- Utilizes the proprietary IGS groove specification, [download publication 25.14](#)
- Optimized for 1" | DN25 pipe
- Pressures up to 365 psi | 2517 kPa | 25 bar

Certifications/Listings:





FireLock™ IGS Outlet-T

STYLE 922

[Download publication 10.54](#) for complete information

- Provides a direct branch connection at any location where a hole can be cut in the pipe
- Utilizes the proprietary IGS groove specification, [download publication 25.14](#)
- Available from 1¼–2½" | DN32–73.0 mm with 1" | DN25 outlet

Certifications/Listings:



FireLock™ IGS Welded Outlet

NO. 142

[Download publication 10.54](#) for complete information

- Provides a direct branch connection at any location where a hole can be cut in the pipe and outlet can be welded on
- Utilizes the proprietary IGS groove specification, [download publication 25.14](#)
- Available from 1¼–4" | DN32–DN100 saddle with 1" | DN25 outlet

Certifications/Listings:





FireLock™ IGS Fittings and Adapters

- NO. 143 CLOSE NIPPLE
- NO. 148 SPRINKLER REDUCER
- NO. 145 FEMALE THREADED × GROOVE 90° ELBOW
- NO. 140 MALE THREADED × GROOVE ADAPTER
- NO. 141 FEMALE THREADED × GROOVE ADAPTER
- NO. 146 CAP

[Download publication 10.54](#) for complete information

- Utilizes the proprietary IGS groove specification, [download publication 25.14](#)
- Optimized for 1" | DN25 pipe
- Fitting pressure ratings conform to rating of installed coupling

Certifications/Listings:



FireLock™ IGS Roll Grooving Tool

RG2100

[Download publication 10.54](#) for complete information

- Features a cast carriage for use on a standard Ridgid™ 300 Power Drive
- Carriage accepts:
 - RG2100 tool head
 - Cutter
 - Reamer
 - Lever
- Grooves to the proprietary IGS groove specification, [download publication 25.14](#)
- Optimized to roll groove IGS 1" | DN25 carbon steel Schedule 40 down to Schedule 10 pipe

Hole Cut Systems

Victaulic® developed the hole cut piping system concept to enable a fast and easy mid-pipe outlet solution that would not require welding. The system allows for a direct branch connection at any location where a hole can be cut in the pipe. Gaskets are molded to conform to the outer diameter of the pipe and are pressure responsive to provide a seal.



Outlets

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FireLock™ Outlet-T (Style 922)

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Hole Cutting Tools

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FireLock IGS Outlet-T (Style 922)

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FireLock Low-Profile Sprinkler Tee – EMEA only (Style 912)

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Mechanical-T Outlet (Style 920/920N)

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Strapless Outlet (Style 923)

26



FireLock IGS Welded Outlet (No. 142)

23



FireLock™ Outlet-T

STYLE 922

[Download publication 10.52](#) for complete information

- Provides a direct branch connection at any location where a hole can be cut in the pipe
- Available as female threaded outlet
- Sizes from 1¼–2½" | DN32–73.0 mm, and DN65
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Also available with a FireLock IGS 1" | DN25 grooved outlet, see pg. 23

Certifications/Listings:





FireLock™ Low Profile Sprinkler Tee – EMEA only

STYLE 912

[Download publication 10.53](#) for complete information

- Provides a direct branch connection for sprinklers only at any location where a hole can be cut in the pipe
- Sizes from 1 – 1½" | DN25 – DN40
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



Mechanical-T Bolted Branch Outlet and Cross Assemblies

STYLE 920/920N

[Download publication 11.02](#) for complete information

- Provides a direct branch connection at any location where a hole can be cut in the pipe
- Available as a tee or cross outlet with female threaded or grooved ends
- Sizes from 2 – 8" | DN50 – DN200
- Pressures up to 500 psi | 3447 kPa | 34 bar

Certifications/Listings:



Vic-Let Strapless Outlet

STYLE 923

[Download publication 11.05](#) for complete information

- Provides a fast, easy pipe outlet without the need for a strap or lower housing
- Sizes from 4 – 10" | DN100 – DN250
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



Valves and Accessories

Since 1919, Victaulic® has been committed to innovation in the pursuit of faster and easier ways to join piping systems. Specifically within the Fire Protection industry, Victaulic continues to simplify the installation process by reducing individual pieces and parts by engineering unique products that serve multiple functions and have smaller footprints. Evidence of this practice can be seen in the FireLock™ Commercial Zone Control Riser Module (Series 747M) and the Alarm Test Module.



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FireLock™ Butterfly Valve – Supervised Open

SERIES 705

[Download publication 10.81](#) for complete information

- Weatherproof actuator housing approved for indoor or outdoor use
- Ductile iron body and disc with EPDM seats
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



FireLock™ High Pressure Butterfly Valve – Supervised Open

SERIES 765

[Download publication 10.80](#) for complete information

- Weatherproof actuator housing approved for indoor or outdoor use
- Ductile iron body and disc with nitrile seats
- Sizes from 2–12" | DN50–DN300
- Pressures up to 365 psi | 2517 kPa | 25 bar

Certifications/Listings:



FireLock™ Butterfly Valve – Supervised Closed

SERIES 707C

[Download publication 10.75](#) for complete information

- Design to be Supervised Closed during normal operating conditions
- Ductile iron body and disc with EPDM seats
- Sizes from 2–8" | DN50–DN200
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



Valves and Accessories



Certifications/Listings:



FireLock™ High Pressure Butterfly Valve – Supervised Closed

SERIES 766

[Download publication 10.83](#) for complete information

- Designed to be Supervised Closed during normal operating conditions
- Ductile iron body and disc with nitrile seats
- Sizes from 2–12" | DN50–DN300
- Pressures up to 365 psi | 2517 kPa | 25 bar



Certifications/Listings:



FireLock™ Check Valve

SERIES 717

[Download publication 10.08](#) for complete information

- Features an elastomer encapsulated disc with an electroless nickel plated seat
- Sizes from 2½–12" | 73.0 mm–DN300
- Pressures up to 365 psi | 2517 kPa | 25 bar



Certifications/Listings:



FireLock™ High Pressure Check Valve

SERIES 717H

[Download publication 10.08](#) for complete information

- Features a stainless steel disc which seats against the O-ring seal, when mounted on the electroless nickel plated face
- Sizes from 2–3" | DN50–DN80 mm
- Pressures up to 365 psi | 2517 kPa | 25 bar



FireLock™ Riser Check Valve

SERIES 717R

[Download publication 10.09](#) for complete information

- Features an elastomer encapsulated disc with an electroless nickel plated seat
- Includes upstream and downstream pressure taps, must specify riser check kit when ordered
- Sizes from 4–8" | DN100–DN200
- Pressures up to 365 psi | 2517 kPa | 25 bar

Certifications/Listings:



FireLock™ High Pressure Riser Check Valve

SERIES 717HR

[Download publication 10.09](#) for complete information

- Features a stainless steel disc which seats against the O-ring seal, when mounted on the electroless nickel plated face
- Includes upstream and downstream pressure taps, must specify riser check kit when ordered
- Sizes from 2–3" | DN50–DN80
- Pressures up to 365 psi | 2517 kPa | 25 bar

Certifications/Listings:



FireLock™ OS&Y Gate Valves

SERIES 771H and 771F

[Download publication 10.92](#) for complete information

- Available as Groove × Groove or Groove × Flange*
- Used when positive shut-off is required in a fire line and a quick visual indicator of open/closed position is needed
- Sizes from 2½–12" | 73.0 mm–DN300
- Pressures up to 250 psi | 1724 kPa | 17 bar

* Flange only available in ANSI

Certifications/Listings:



Valves and Accessories



Certifications/Listings:



FireLock™ NRS Gate Valves

SERIES 772H and 772F

[Download publication 10.92](#) for complete information

- Available as Groove × Groove or Groove × Flange*
 - Used for shut-off service where the valve is operated remotely
 - Sizes from 2½–12" | 73.0 mm–DN300
 - Pressures up to 250 psi | 1724 kPa | 17 bar
- * Flange only available in ANSI



Certifications/Listings:



FireLock™ Ball Valve

SERIES 728

[Download publication 10.17](#) for complete information

- Standard port and supervisory switch, available with grooved or female threaded ends
- Sizes from 1–2" | DN25–DN50
- Pressures up to 365 psi | 2517 kPa | 25 bar



Certifications/Listings:



Brass Body Ball Valve — Threaded

SERIES 722

[Download publication 08.15](#) for complete information

- Standard port, female threaded end valve constructed from forged brass
- Sizes from ¼–2" | DN8–DN50
- Pressures up to 600 psi | 4137 kPa | 41 bar



Certifications/Listings:



FireLock™ Residential Zone Control Riser Module

SERIES 247

[Download publication 10.97](#) for complete information

- Features a cast body with shut off valve, test and drain valve combination and different sizes, flow switch, and a pressure gauge
- Sizes from 1–2" | DN25–DN50
- Pressures up to 365 psi | 2517 kPa | 25 bar



Certifications/Listings:



FireLock™ Commercial Zone Control Riser Module

SERIES 747M

[Download publication 10.96](#) for complete information

- Features a cast body with shut off valve, test and drain valve combination and different sizes, flow switch, and a pressure gauge
- Sizes from 1¼–6" | DN32–DN150
- Pressures up to 365 psi | 2517 kPa | 25 bar

Valves and Accessories



FireLock™ Wall Post Indicator

SERIES 773

[Download publication 10.92](#) for complete information

- For use with *FireLock* NRS gate valves, see pg. 31
- Sizes from 2½–12" | 73.0 mm–DN300

Certifications/Listings:



FireLock™ Upright Post Indicator

SERIES 774

[Download publication 10.92](#) for complete information

- For use with *FireLock* NRS gate valves, see pg. 31
- Sizes from 2½–12" | 73.0 mm–DN300

Certifications/Listings:



TestMaster™ II Alarm Test Module

SERIES 720

[Download publication 10.22](#) for complete information

- Available with grooved or female threaded ends, and pressure relief valve
- Sizes from 1–2" | DN25–DN50
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:





Fire Pump Test Meter

SERIES 735

[Download publication 10.11](#) for complete information

- Sizes from 2½ – 12" | 73.0 mm – DN300
- Model "L" pressure rated up to 175 psi | 1207 kPa | 12 bar
- Model "S" pressure rated up to 500 psi | 3447 kPa | 34 bar

Certifications/Listings:



FireLock™ Wye Type Vic-Strainer

SERIES 732H

[Download publication 10.68](#) for complete information

- Provides straight through flow for lower pressure drop
- Sizes from 2 – 4" | DN50 – DN100
- Pressures up to 365 psi | 2517 kPa | 25 bar






















Certifications/Listings:



Devices and Accessories

FireLock NXT™ devices offer another leap forward in valve design and operation. Featuring a lower operating pressure and ultra-fast trip time, due to the elimination of the air-to-water differential, *FireLock NXT* devices deliver greater operational dependability and are easier to install, service and maintain. In addition, the compact trim and diaphragm design reduces the valve's center-to-back take out distance up to a full 7" | 178 mm when compared with competitive valves.



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