

### DEFINING INNOVATION

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## since 1919

Since the first patent in 1919, Victaulic has delivered innovative pipe joining solutions that help customers succeed worldwide. Look inside many of the world's most recognizable landmarks and industrial facilities, and you'll find Victaulic solutions at work making bold design innovations possible, speeding time to completion, allowing for unpredictable seismic movements and setting the stage for scalability.

As the world's leading producer of grooved mechanical pipe joining systems, Victaulic continues to deliver ground breaking solutions for the fire protection industry.

## SERIES UNIVERSAL MANIFOLD CHECK ASSEMBLY

## THE SINGLE ASSEMBLY THAT CHECKS EVERY BOX.

- Control Valve
- **✓** Flow Switch
- Test & Drain
- Check Valve with Removable Cover Plate
- Adjustable Relief Valve (175–310 psi)
- Required System Gauge(s)
- Flexible Drain Hose

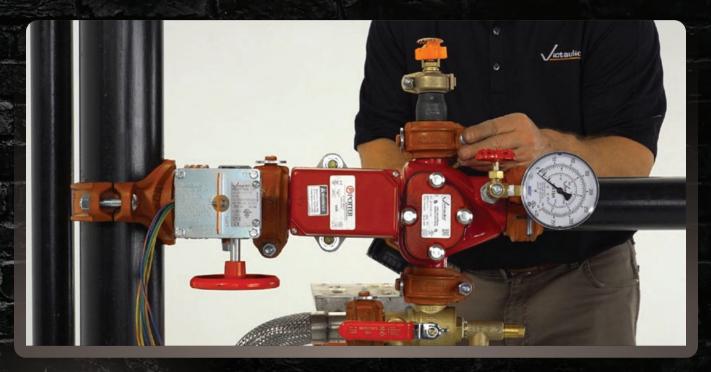




Scan code to learn more



The compact design of the Series UMC saves valuable space in tight-quarter installations such as hallways, stairwell landings and alcoves. Available in left-and right-handed orientations for both floor control and shotgun riser assemblies.



### SERIES UM UNIVERSAL MANIFOLD ASSEMBLY

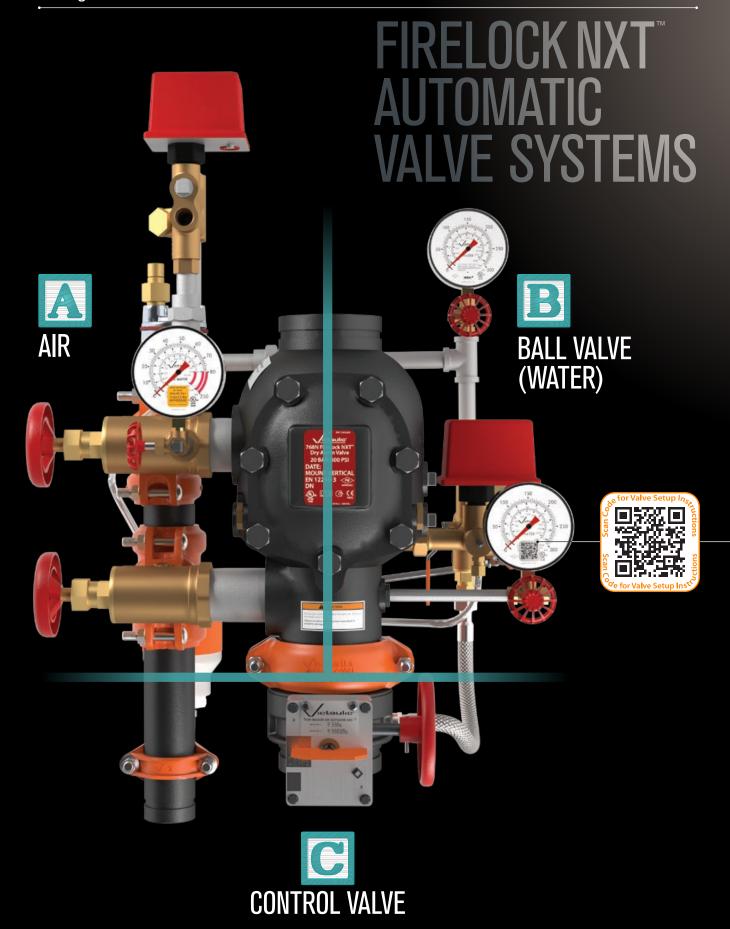
Universal manifold assembly incorporating a flow switch, test drain, system pressure gauge and pressure relief valve.

- Optional control valve
- Sizes from 11/4-8" DN32-DN200
- Pressures up to 300 psi 2068 kPa 21 bar
- cULus, FM



Scan code to learn more





# STREAMLINED SET-UP. LEFT EQUALS AIR. RIGHT EQUALS WATER. NO CONFUSION. AS EASY AS







### Simplified Maintenance

### REFERENCE MATERIAL AT YOUR FINGERTIPS

First of its kind in the industry, instantaneously access up-to-date instructions directly from your mobile device. A quick scan is between you and installation, set-up and maintenance videos, or a call to Victaulic Customer Service.

### **EVERYTHING DESIGNED WITH YOU IN MIND**

Reorganized installation instructions are clear and direct. Never mix-up a strainer again, specifically designed threads only fit in their specific manifold.

### READILY ACCESSIBLE TRIM

All trim components are located on either side of the valve, and labeled clearly. No more reaching, or guesswork.



### Series 768N

Dry Valve



### Series 769N

- Deluge Electric
  - Deluge Dry Pilot
- Deluge Wet Pilot



### Series 769N

- Preaction Electric
- Preaction Single
   Interlock Pneumatic
- Preaction Non-Interlock Pneumatic
- Preaction Double Interlock Pneumatic/ Electric
- Preaction Double Interlock Pneumatic

## INSTALLATION-READY SPRINKLERS

FOR STORAGE FACILITIES AND EXPOSED APPLICATIONS

"REALISTICALLY YOU DON'T HAVE TO PREP ANYMORE, IT COMES IN A BOX AND YOU JUST START INSTALLING IT ON THE PIPE"

**Purchasing Agent** 

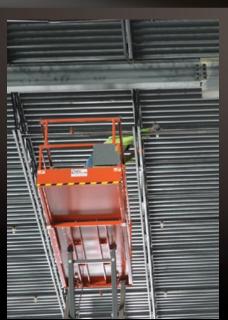


Scan to view our full sprinkler offering



- Zero sprinkler prep eliminate tape and dope
- Eliminate sprinkler wrenches reducing injury from repeated strenuous motion
- Visual inspection of proper installation no additional torque for frame alignment
- Standardize on 1" FireLock™
  IGS™ outlets coupling transitions
  to 1", ¾", and ½" sprinklers





### STAY IN THE AIR, STAY PRODUCTIVE

Victaulic now offers solutions that eliminate prep work on the ground and keep installers in the air. But initial installation isn't the only thing that determines productivity, it's the rework required as well. Utilizing mechanical connections where possible instead of threaded connections ensures less downtime from leaks.



# SPECIFIC APPLICATION ATTIC PROTECTION

Victaulic now offers Back-to-Back and Low Flow attic protection schemes for designers facing inevitable water supply challenges.

Victaulic's Low Flow scheme utilizing Series FL-SA/RE and FL-SA/DS sprinklers is designed for moderate to less than moderate water supplies, while providing tested and effective protection of the attic. When water supplies are better than moderate, Victaulic offers a Back-to-Back scheme utilizing Series FL-SA/BB type sprinklers, resulting in reduced piping and significant labor savings.

Scan to view our full sprinkler offering Specific Application > Attic



### WATER SUPPLY REQUIREMENTS PER ATTIC SCHEME

System Type	NFPA: STANDARD SPRAY	BACK-TO-BACK SCHEMES	LOW FLOW SCHEME
Dry System	300-500+gpm**	340-400 gpm	120-140+gpm
Wet System	150-250 gpm	250-300gpm	100-120+gpm

Anticipated system demands consider non-maximum sprinkler spacing due to construction and estimated over-discharge of piping system.



### LOW FLOW SCHEME

- Protect your attic using up to 70% less water
- Improve performance and decrease material and labor costs
- Optimize sprinkler activation and dramatically reduce the total number of sprinklers required
- Use less water, smaller pipe diameter, smaller dry valves
- Decrease total system demand and cost



### BACK-TO-BACK SCHEME

- Fills the gap between the traditional NFPA 13 system and the Victaulic Low Flow Protection scheme
- May allow for the protection of the entire span of the attic with one branchline
- Saves on labor and simplifies installation
- Requires considerably less water than the traditional NFPA 13 attic sprinkler system





**SPRINKLER FITTING SYSTEMS** 

# CONFIDENCE. SPEED. PERFORMANCE.



### **SERIES AH2-CC HOSE**

- Innovative grooved branch line connection using a captured Style 108 coupling instead of a threaded union
- Bolt pad to bolt pad visual confirmation
- Same great performance as the Series AH2 hose



### SERIES AH2 HOSE

- 2" bend radius tightest in the industry
- Most allowable bends in the industry
- Up to 50% less friction loss than corrugated systems

SIISPENDED CEILINGS

DRY APPLICATIONS
HARD-LID CEILINGS

SPECIALTY APPLICATIONS

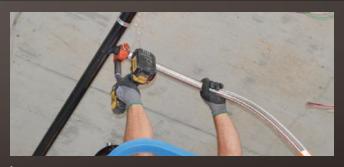
PRE-ASSEMBLED SYSTEMS



VicFlex<sup>™</sup> is the clear choice for fast, dependable sprinkler installation.



Scan code to learn more about VicFlex solutions on the VicFlex App







SPRINKLER FITTING SYSTEMS

## FLEX TO FIT YOUR NEEDS

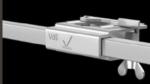
Brackets for every solution from standard to specialized











### STYLE AB2 WITH PATENTED, VERTICALLY-ADJUSTABLE **OVER/UNDER CENTER BRACKET**

- Allows installation and vertical adjustment from above or below the ceiling surface, without added steps of cutting into hard-lid material or creating an access point
- Eliminates the need to disassemble the bracket before installation
- Maintains reducer position while tightened
- Pad-to-pad visual confirmation for installation confidence



Scan code to learn more about VicFlex solutions on the VicFlex App

### LOW PROFILE SOLUTIONS



### STYLE AB11 BRACKET

Installs in spaces down to 6" | 150 mm total takeout



### **SPECIALTY APPLICATIONS**



### SERIES AOD

FRP or Metal Duct **Applications** 



### SERIES AOC-U

Clean Room **Applications** 



SPRINKLER FITTING SYSTEMS

### VICFLEX® STYLE VS1 DRY SPRINKLER



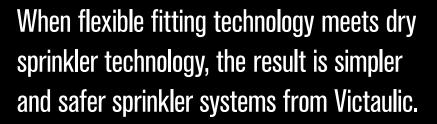
Scan code to access the dry sprinkler order form



SPECIALTY APPLICATIONS



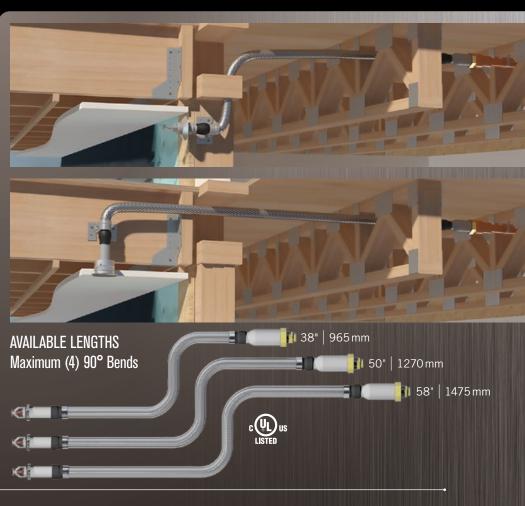




- Applicable wherever dry sprinklers are currently installed such as — multi-family residential, balconies and breezeways, data centers, parking garages, assisted living facilities
- Meets NFPA 13 Installation Requirements for Dry Sprinklers
- 2" cULus bend radius









SPRINKLER FITTING SYSTEMS

### WORK SMARTER, NOT HARDER.





Sleeve and Skirt Pendent



Recessed Pendent



Flush Pendent

### SUPERIOR COLD STORAGE PROTECTION

Victaulic offers an off-the-truck solution for cold storage applications that removes the guesswork of using hard pipe while also improving seal integrity. Whether it is a new project or a retrofit, using the VicFlex™ Style AB6 Bracket makes installation a one-person job and reduces the risk of condensation impeding the system.



### **BENEFITS**

- Simple, One-Person Installation. Easy indication of vertical and frame arm alignment from above.
- Eliminate Guesswork. No measuring or multiple trips to the cooler.
- Combats Differential Movement. Industry leading seal integrity stays intact, protecting against condensation.
- Flexible, Adjustable, and Adaptable. Fits any ceiling or wall thickness while sealing to a variety of surfaces.



### INNOVATIVE GROOVE SYSTEM LGS

### **SIMPLIFY:**

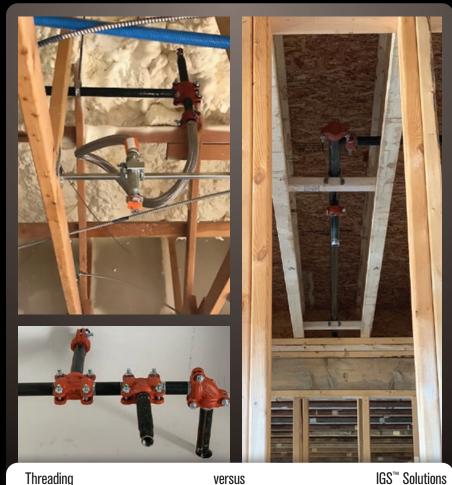
- Eliminate mess no oil, shavings, tape, or dope
- Increase tool portability
- Use one pipe schedule (Schedule 10)

### SAVE:

- Effort eliminate pipe wrenches
- Up to 55% less pipe prep
- Up to 2x faster to install

### **CONFIRM:**

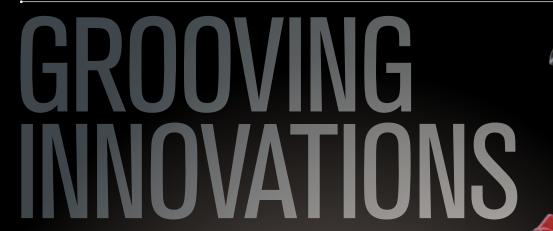
- Replace threaded connections with mechanical joints
- Bolt pad to bolt pad visual confirmation
- No tool adjustment groove within specification every time



rinodding	Volodo	iao	Oolationo
8	No Oil, Shavings, Tape and Dope		<b>~</b>
8	For use with Sch. 40 – Sch. 10 pipe		
8	Impact guns and no elbow injuries		<b>~</b>
<b>×</b>	Increased corrosion resistance		
×	Minimize the potential for leaks		<b>②</b>
×	One-touch tool actuation		<b>②</b>
×	Visual Inspection – Improved system durability		<b>②</b>
×	Installs in minutes		



firelockIGS.com





### RG2910 ROLL GROOVING TOOL

- Cold forms the unique Victaulic<sup>®</sup> IGS<sup>™</sup> groove profile
- Hands-free process allows grooving operation to be completed in under four seconds
- Eliminates adjustment and need to measure the groove



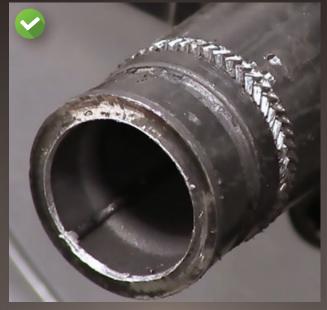


### <u>IGS</u>™

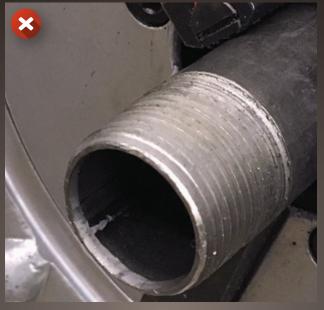
### RG1 MANUAL ROLL GROOVING TOOL

- Cold forms the unique
   Victaulic IGS groove profile
- In-air hand grooving tool
- No power requirement
- Go/No-Go Groove Tape included with tool











seconds per pipe end



seconds per pipe end

IGS™ ROLL GROOVING

**THREADING** 

### 2x faster

# FIRELOCK INSTALLATION-READY COUPLINGS



Installation-Ready<sup>™</sup> from 1 – 12" | DN25 – DN300





### STYLE 009N

FireLock™ Two-Bolt Installation-Ready™ Rigid Coupling

1½-12" | DN32-DN300

### **STYLE 109**

FireLock™ One-Bolt Installation-Ready™ Rigid Coupling

11/4-4" | DN32-DN100

### **STYLF 108**

FireLock™ IGS™ Installation-Ready™ Coupling

1" | DN25

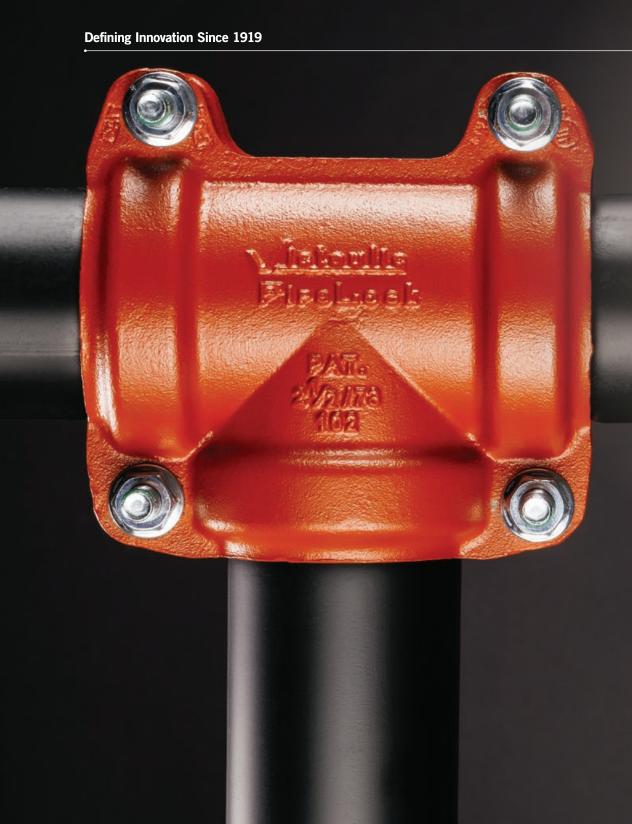


## Style 109 FireLock<sup>™</sup> ONE-BOLT Installation-Ready<sup>™</sup> Coupling

- Added confidence of single pad to pad visual confirmation
- Still no torque requirement
- Up to 6 times faster to install than traditional couplings
- Easy fit-up overhead with a two-piece housing
- One-bolt design eliminates alternating during tightening



victaulic.com/style109



# FIRELOCK INSTALLATION-READY FITTINGS THE MOST INNOVATIVE CHANGE TO FIRE PROTECTION FITTINGS SINCE VICTAULIC ORIGINATED THE GROOVED CONCEPT.



firelockfittings.com



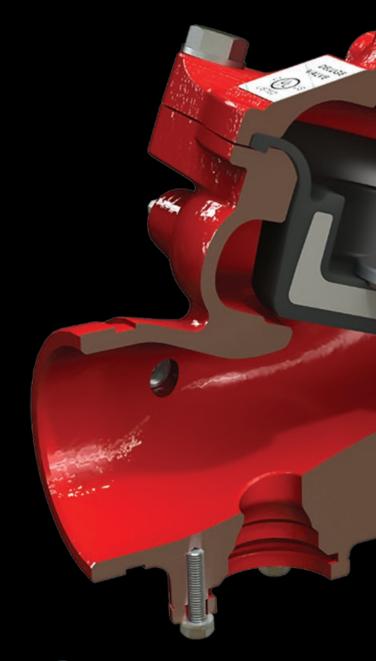
### NO LOOSE PARTS

- Eliminate the time needed to look for an extra coupling or bolt
- Reduce the number of times up and down the ladder or lift



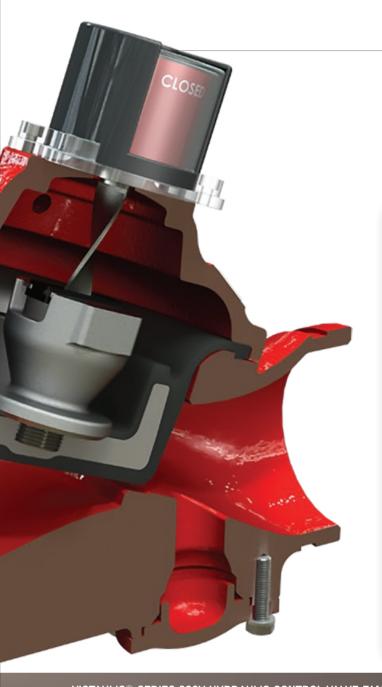
Through our exclusive partnership with BERMAD, Victaulic now offers innovative solutions for the control and management of fire protection systems specifically as it relates to water supply and pressure control.

Designing fire protection systems for high-rise and high-demand buildings presents a unique set of challenges, all of which can be addressed by leveraging BERMAD's product and technical expertise along with Victaulic's extensive system knowledge and support.



## HYDRAULIC CONTROL SOLUTIONS







### VICTAULIC® SERIES 800Y HYDRAULIC CONTROL VALVE FAMILY

Regardless of application, dependable operation and ease of service are important to your bottom line. Hydraulic control valves with improved flow capacity, decreased water hammer and simplified maintenance can increase operating life and reduce total cost of ownership for the fire protection system. Victaulic's advanced valve design does exactly that.

- Obstruction-free design increases flow capacity by up to 40% (C<sub>v</sub> = up to 3,801)
- No water hammer at closing smooth, cushioned operation improves operating life and eliminates noise
- Highest cULus Listed and FM Approved pressure rating for pressure reducing and pressure relief applications — 365 psi | 2517 kPa | 25 bar
- Up to eight times faster, simplified maintenance due to rolling elastomeric diaphragm design and 4-bolt cover removal
- Industry-first and industry-leading flow stability without an anti-cavitation accessory required



Scan code to learn more









The Series 745 Fire-Pac is the ideal option for installation of Victaulic® FireLock NXT™ dry, deluge or preaction systems — especially when systems are:

- Located in high traffic areas
- Installed in series and share common supply and drain lines
- Designed in zoned control areas

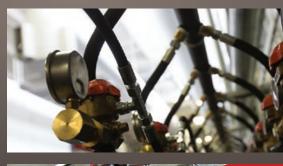
# HYBRID FIRE EXTINGUISHING SYSTEM

Victaulic Vortex<sup>™</sup> hybrid technology, utilizing both water and nitrogen, extinguishes via heat absorption and oxygen deprivation.



Scan code to learn more











### VICTAULIC VORTEX™

- Water droplets are approximately 10 microns in size, with a heat-absorbing surface area 90 times greater than traditional sprinklers
- 100% green and sustainable
- Applicable for Class A, B and energized electronics fires such as data centers, turbine enclosures, "precious documents", wet benches

### **Victaulic Vortex**

Hybrid Fire Extinguishing System

### The New Standard for Hybrid Extinguishing Systems

### NFPA 770

Seven years in the making, NFPA 770 made its official debut in 2020 as the Standard for Hybrid Fire Extinguishing Systems (water and inert gas).



Learn more about NFPA 770

## SYSTEM SOLUTION FOR HDPE PIPE

THE FASTEST WAY TO JOIN HDPE PIPE - NO IFS, ANDS, OR BUTTS.



Scan code to learn more

### DESIGNED TO BE BURIED





### INSTALLS UP TO 10× FASTER

Join HDPE pipe in half the time it takes to fuse a joint. Forget the fusion equipment. Gone are the days of waiting for plastic to heat up just to cool down. Installing in tight or vertical spaces has never been easier; Victaulic's system solution for HDPE pipe goes where no fusion machine has gone before.



### INSTALLATION IS WEATHER INDEPENDENT

Whether it's rain, shine, or just downright frigid and fierce, Victaulic® products for HDPE pipe can be installed. No need to check the weather forecast and worry about protection for fusion equipment or project delays any longer.



### MEETS OR EXCEEDS PRESSURE RATINGS OF HDPE PIPE

Small diameter solutions call for dual rows of razor-sharp teeth that sink into the O.D. of HDPE pipe, forming a sealed hold that never lets go. Bringing out the big guns? Large diameter solutions enlist a rugged double groove to seal the deal. Push it, pull it, and drag it to the max; treat it the same way you would treat fused pipe.

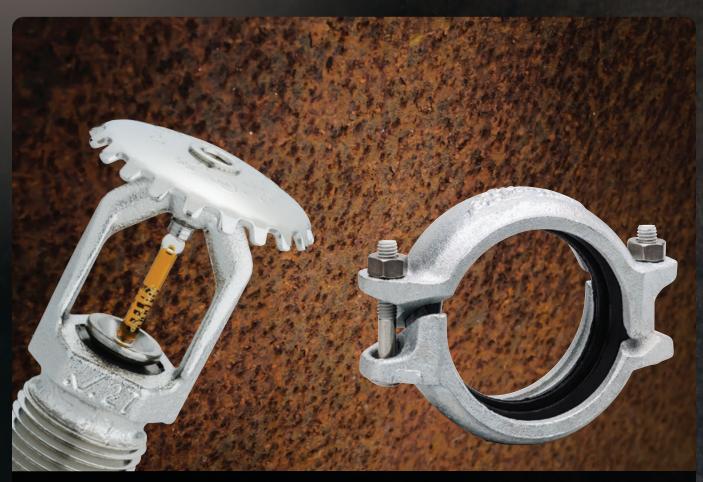


### **INSTALLS WITH SIMPLE TOOLS**

No need to set up a fusion machine. All you will need with Victaulic's system solution for HDPE pipe is a simple socket wrench. Want to add power? A cordless impact driver will get the job done even faster. No training certificates or no learning curve necessary.

## INDUSTRIAL SOLUTIONS

### CORROSION RESISTANT COATINGS



### VC-250

Developed by Victaulic, the VC-250 is a proprietary UL/FM Approved, nickel based, multilayer corrosion resistant coating that fully encompasses each component of the sprinkler.

### **COATINGS**

Victaulic provides a range of corrosion resistant solutions for life safety systems. Pictured here is a Style 009N coupling featuring Installation-Ready<sup>M</sup> technology with an optional galvanized coating and stainless steel fasteners.



### ENDSEAL™ COUPLING

For use on tank farms, fuel storage, and chemical facilities, the Gasket T607 used with the Victaulic *EndSeal* coupling has been tested and approved to the API607 standard.

The American Petroleum Institute Standard 607 provides test conditions used to evaluate materials exposed to the stringent conditions set forth by fire protection authorities in the protection of petroleum processing facilities.





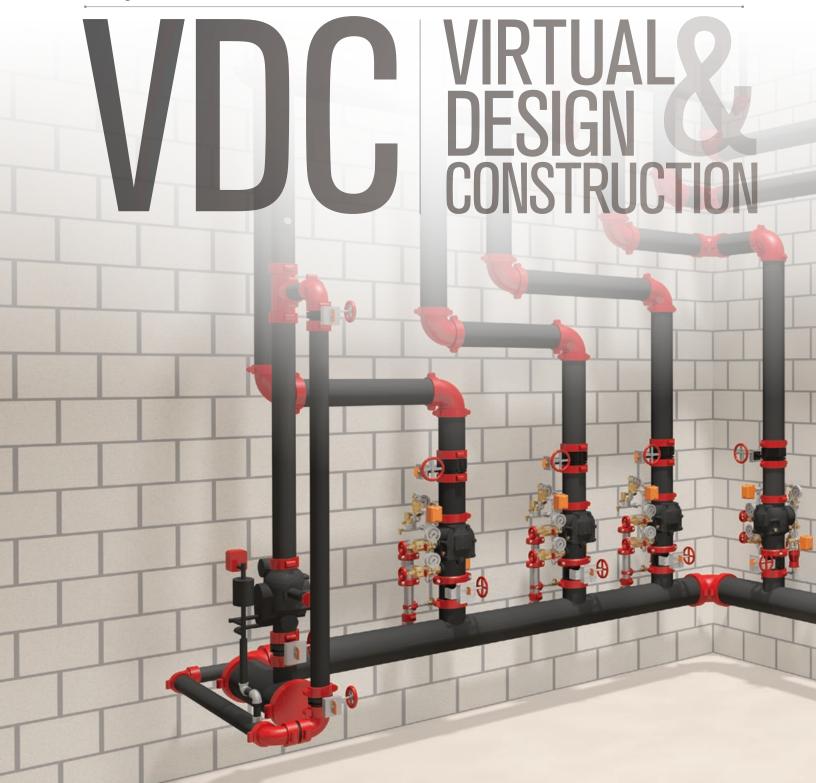
## DESIGNED FOR DURABILITY

### FIRELOCK™ FIRE-PAC VALVE CABINETS

With more options available than ever before, each Fire-Pac System is completely unique.

- Weatherproofing to NEMA 4 standards
- Pipe feed and drain can be located on the left, right or bottom panels
- Insulation and heating components available down to a minimum ambient temperature of 20°F | -6°C
- Compressor and nitrogen fill kit options
- Panel design options now including an addressable panel capable of networking with other intelligent devices

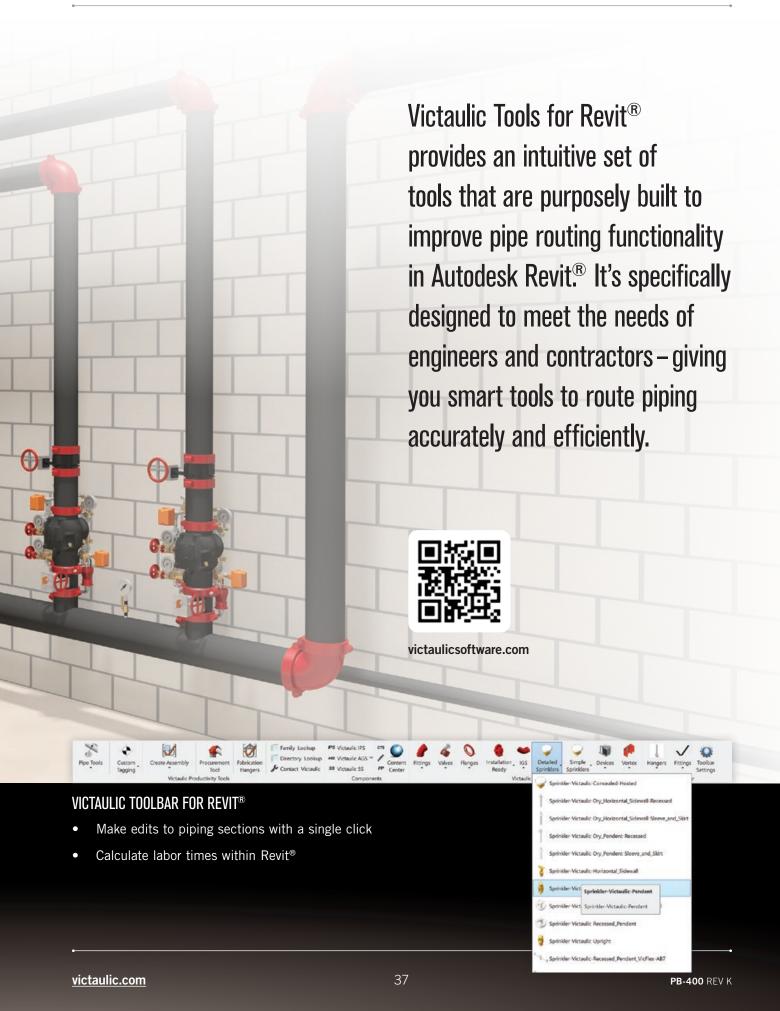






### EARLY BILLS OF MATERIAL IN REVIT® ARE POSSIBLE

The procurement tool within Victaulic Tools for Revit® allows you to select an area within your model and easily create bills of material, including tags, part numbers, and finishes, eliminating the need for secondary software.



### DEFINING INNOVATION 378

Since 1919, when Victaulic's first patent was filed, customers have relied on the company's commitment to quality and excellence. A century later, it's difficult to imagine a world without Victaulic. From the world's tallest building to its deepest mine, the company has evolved with a fierce determination to meet and surpass customer needs in the fields of building services, clean water and wastewater, fire protection, industrial construction, maritime, mining, oil, gas and chemical, and power generation.

Over the last 100 years Victaulic has solved the toughest challenges for its customers and set new standards for the industry.



A New York fireboat pumped water from the Hudson River through 1,000 ft | 305 m of 8" | DN200 of lightweight pipe that rookie fire crews had assembled with Victaulic couplings. In 1952, Underwriters' Laboratories (UL) approved Victaulic's couplings and fittings for use with fire protection systems.

Grooved End Pipe Joining Invented by Victaulic



1919

Victaulic® Flexible Couplings Gain FM Approval for Use in Earthquake Areas



1934

Victaulic Introduces Roll Grooving Method to the Fire Protection Industry

1957



Flush-Seal<sup>™</sup> Gasket Developed for Dry Systems

1964



Pioneered UL Approval for Roll Grooving Lightwall Pipe

1972



First Mechanical Tee for Branch Connections Style 920

> Introduced *Vic-Check* Check Valve



First Rubber Coated Butterfly Valve for Fire Protection

1986





Grooved End Pipe Joining Introduced in the U.S.

1925



First Grooved End Coupling to Achieve UL Listing

1959



Introduced First Production Roll Groover

1962



First Outlet Coupling Introduced
First Direct Flange-to-Groove Adapter

1969



First Reducing On-The-Run Coupling Style 750

**1**974



Introduced FIT: First Locking Lug System

Vic-Tap: First Full Port Hot Tapping Device with UL Listing

1978

continuel

FireLock™ Fittings: First Full-flow, Short-radius Fittings Designed for the Fire Protection Industry



Introduced Victaulic® FireLock™ Sprinklers and Accessories



FireLock EZ™: First Rigid Coupling with Installation-Ready™ Technology

FireLock NXT™ Check Valve Systems



VicFlex™ Series AH2 Braided Hose and Style AB1 Bracket



FireLock™ ECLH Sprinkler Model V31

VicFlex<sup>™</sup> Hard-lid Ceiling Bracket Style AB2



FireLock NXT™ Devices Style 768N

Joint Venture with BERMAD™ Hydraulic Control Valves

> EndSeal™ Couplings with API607 Approved Gasket







FireLock™ Style 005 Rigid Coupling FireLock™ Butterfly Valve Series 707:

the First Valve Pre-wired and Tested for Panel Connectivity



FireLock™ Check Valve Series 717: First Extended Body Swing/Check Design

**Enhanced Tracking** Roll Sets for "Hands Off" Grooving



FireLock NXT™ Devices Introduced



Victaulic Vortex™ Hybrid Fire Extinguishing System Gains FM Approval CL-5580 for Use in Machine Spaces



FireLock EZ<sup>™</sup> Style 009N Installation-Ready Coupling Introduced

Victaulic Vortex<sup>™</sup> 500



FireLock™ Fire-Pac Series 745

Style 009N Installation-Ready™ Coupling to 8" | 200 mm

Corrosion Resistance Coating for Sprinklers VC-250

VicFlex™ Flexible Drop Style AH1

continued



Style 109 FireLock™ One-Bolt Installation-Ready™ Coupling

Style V9 FireLock™ Installation-Ready™ Sprinkler Coupling





Updated AB2 Bracket with Over/Under Center Bracket for versatility

FireLock™ Sprinkler Offering Expanded with new digital tools

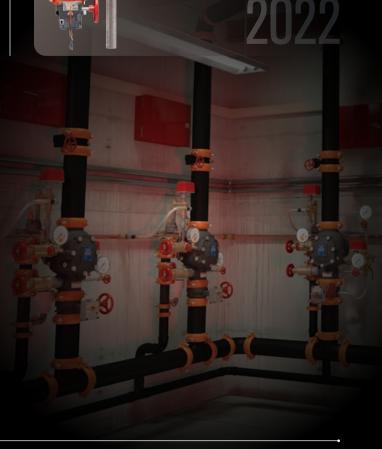




Creating innovative solutions for the construction industry marks Victaulic's approach – an approach which we intend to maintain and commit to for the next 100 years. Innovation has always been Victaulic's hallmark, in turn producing elegant solutions. Victaulic's intellectual property, with more than 2,000 patents granted, is the largest in the mechanical pipe joining industry. A crucial differentiator for Victaulic, inventing and applying technologies that exceed customer and industry expectations will drive future growth. Victaulic, the world leader in grooved mechanical pipe joining systems, has shaped the course of history.



Victaulic® Series UMC Universal Manifold Check Assembly





Quickly find the sprinklers you need for your next project with our interactive sprinkler chart and enhanced catalog and search functionality. Featuring intuitive filters and more information with less clicks, the interactive sprinkler chart simplifies your search.

victaulic.com





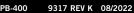












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