DEFINING INNOVATION FOR FIRE PROTECTION

COMMUTTED TO CHANGING THE GAME 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.
THE BIG IDEA THAT IS CHANGING 1" SMALL DIAMETER
INNOVATIVE GROOVE SYSTEM

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

Threading versus IGS™ Solutions

- No Oil, Shavings, Tape and Dope
- For use with Sch. 40 – Sch. 10 pipe
- Impact guns and no elbow injuries
- Increased corrosion resistance
- Minimize the potential for leaks
- One-touch tool actuation
- Visual Inspection – Improved system durability
- Installs in minutes
Cold forms the unique Victaulic® IGS™ groove profile

Hands-free process allows grooving operation to be completed in under four seconds

Eliminates adjustment and need to measure the groove

RG2100
Roll Grooving Tool
Defining Innovation Since 1919

IGS™ ROLL GROOVING

35 seconds per pipe end

THREADING

70 seconds per pipe end

2x faster
Installation-Ready™ from 1 – 12" | DN25 – DN300
Style 109 FireLock™
ONE-BOLT Installation-Ready™ 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

15 ready-to-install fittings

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

260 loose parts

victaulic.com
CONFIDENCE. SPEED. PERFORMANCE.

**STYLE 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 Style AH2 hose

**STYLE AH2 HOSE**
- 2” bend radius — tightest in the industry
- Most allowable bends in the industry
- Up to 50% less friction loss than corrugated systems
VicFlex™ is the clear choice for fast, dependable sprinkler installation.

vicflex.com
STYLE AB11 BRACKET FOR LOW PROFILE INSTALLATIONS
- Installs in spaces with clearances down to 6" | 150 mm total takeout
- FM Approved and cULus Listed
- For use with 90° low profile elbows for easy install

STYLE AB12 BRACKET FOR LOW PROFILE INSTALLATIONS
- Designed to work from 36" | 914 mm down to 4" | 100 mm clearance from face of ceiling
- Standardized opening accepts 3/8" | M10 standard threaded rod

vicflex.com
VICFLEX™ STYLE VS1
DRY SPRINKLER

vicflex.com
When flexible fitting technology meets dry sprinkler technology, the result is simpler, safer sprinkler systems from Victaulic.

- 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

**AVAILABLE LENGTHS**
Maximum (4) 90° Bends

- 38' | 965 mm
- 50° | 1270 mm
- 58' | 1475 mm
WORK SMARTER, NOT HARDER.

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.
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

- 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
IT’S EASY – 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.
FIRELOCK NXT™ AUTOMATIC VALVE SYSTEMS

AIR

B
BALL VALVE (WATER)

C
CONTROL VALVE

Defining Innovation Since 1919
STREAMLINED SET-UP. AS EASY AS ABC.

LEFT EQUALS AIR. RIGHT EQUALS WATER. NO CONFUSION.

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 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
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.
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% ($C_v = up to 3,801$)
- 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

Adaptable Trim
Consistent valve body with multiple functions based on different trim configurations
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
Victaulic Vortex™ hybrid technology, utilizing both water and nitrogen, extinguishes via heat absorption and oxygen deprivation.

victaulicvortex.com
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.
SYSTEM SOLUTION FOR HDPE PIPE

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

victaulic.com/hdpesolutions

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. That’s time savings you’ve never seen 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
If you thought your fused joint was tough, check out Victaulic HDPE product performance. 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 your fancy fusion machine because all you will need with Victaulic’s system solution for HDPE pipe is a simple socket wrench. If you want to get crazy, a cordless impact driver will do the job, too! Don’t worry about training certificates or learning how to use fusion equipment, just stick with the basics.
COATINGS

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

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.
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® IS 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.
Victaulic Tools for Revit® provides an intuitive set of tools that are purposely built to improve pipe routing functionality in Autodesk Revit®. It’s specifically designed to meet the needs of engineers and contractors – giving you smart tools to route piping accurately and efficiently.

victaulicsoftware.com

**VICTAULIC TOOLBAR FOR REVIT®**

- Make edits to piping sections with a single click
- Calculate labor times within Revit®
Since 1919, when Victaulic’s first patent was filed, customers have always been able to stand 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 through 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 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

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

1925

First Reducing On-The-Run Coupling Style 750

1934

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

1952

First Grooved End Coupling to Achieve UL Listing

1957

Vic-Check® Check Valve

1972

Pioneered UL Approval for Roll Grooving Lightwall Pipe

1964

Flush-Seal™ Gasket Developed for Dry Systems

1969

First Grooved End Pipe Joining Introduced in the U.S.

1974

First Rubber Coated Butterfly Valve for Fire Protection

1986

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

1925

Introduced First Production Roll Groover

1962

Introduced Victaulic Roll Grooving Method to the Fire Protection Industry

1975

First Mechanical Tee for Branch Connections Style 920

1978

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

1969

Defining Innovation Since 1919

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

1990

Introduced Victaulic® FireLock™ Sprinklers and Accessories

1999

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

FireLock NXT™ Check Valve Systems

2005

VicFlex™ Series AH2 Braided Hose and Style AB1 Bracket

2011

FireLock™ ECLH Sprinkler Model V31

VicFlex™ Hard-lid Ceiling Bracket Style AB2

2013

FireLock NXT™ Devices Style 768N

Joint Venture with BERMAD™ Hydraulic Control Valves

EndSeal™ Couplings with API607 Approved Gasket

2015

FireLock™ Style 005 Rigid Coupling

FireLock™ Butterfly Valve Series 707: the First Valve Pre-wired and Tested for Panel Connectivity

1988

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

Enhanced Tracking Roll Sets for “Hands Off” Grooving

1994

FireLock NXT™ Devices Introduced

2004

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

2009

FireLock EZ™ Style 009N Installation-Ready Coupling Introduced

Victaulic Vortex™ 500

2012

FireLock™ Fire-Pac Series 745 Style 009N Installation-Ready™ Coupling to 8” | 200mm Corrosion Resistance Coating for Sprinklers VC-250

VicFlex™ Flexible Drop Style AH1

2014

continued
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.
FROM STREET TO SPRINKLER, THERE’S NEVER A QUESTION. VERSATILITY AND VALUE ARE DELIVERED.

Through continuous research, development and bold innovation Victaulic’s pipe joining and flow control solutions have optimized construction productivity and reduced risk, ensuring projects are completed safely, on time and within budget.

Designing fire protection systems for modern applications presents a unique set of challenges, all of which can be addressed by leveraging Victaulic’s “street-to-sprinkler” product solutions along with our extensive system knowledge and unmatched support.