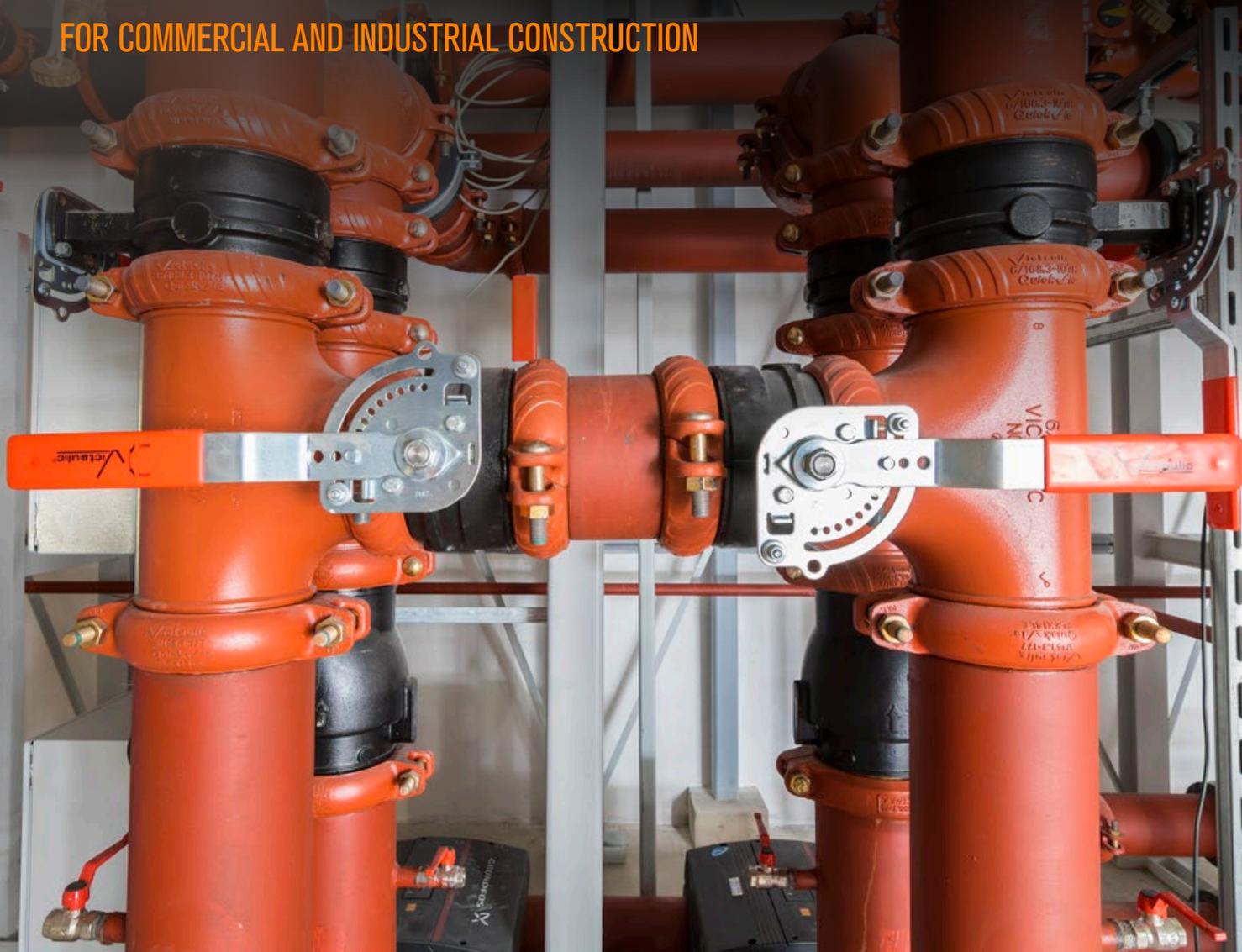


# GROOVED END VALVES

FOR COMMERCIAL AND INDUSTRIAL CONSTRUCTION



THE WORLD LEADER IN PIPE JOINING SOLUTIONS



# THE WORLD LEADER IN PIPE JOINING AND FLOW CONTROL





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**World Class Innovation** means that we're solving your problem, before you know you've had one.

**World Class Partnership** means you have the most experienced and capable team in the industry working to ensure your success.

Since 1919, Victaulic® has led the industry by developing innovative pipe joining solutions that improve safety, reduce risk and compress schedules; delivering real value to the owners, engineers, contractors and maintenance personnel who have come to depend on them.

Whether you're planning your next maintenance outage or specifying your next facility, Victaulic ingenuity and experience can protect your bottom line.

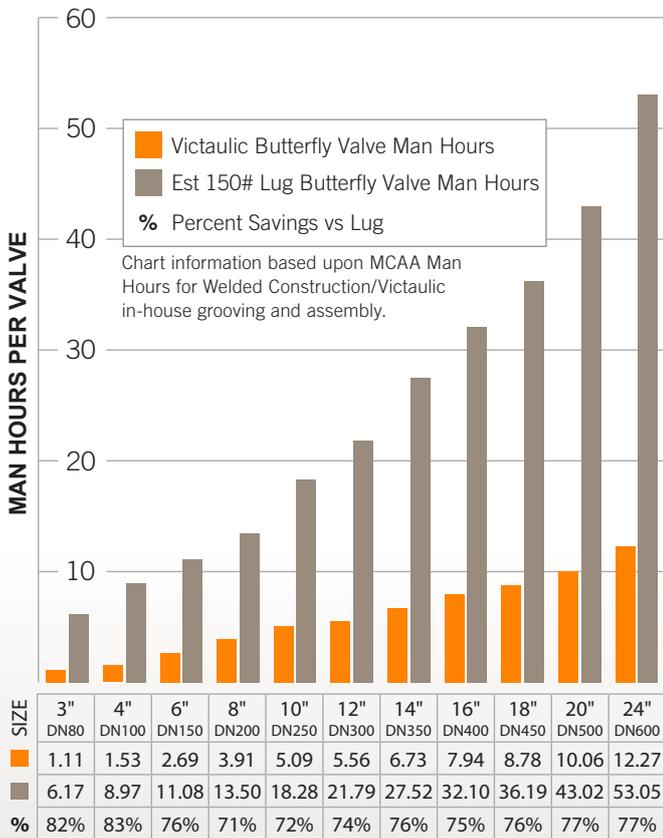
Victaulic continues to develop products to meet the rigorous demands and challenging environments of the industry. Designed to make pipe joining faster, easier, and more economical, Victaulic couplings, valves, fittings, and specialty products allow engineers and owners to build complete piping systems from a single source.

# FLOW CONTROL SOLUTIONS

FOR COMMERCIAL AND INDUSTRIAL CONSTRUCTION



## Man Hours Comparison



## Shorten construction schedules

Unlike flanged valves, Victaulic grooved end valves can be installed as part of pre-fabricated pipe spools in the field. They also don't have a bolt-hole pattern to line up and don't require star-pattern tightening of the bolts and nuts. All this results in an installation that is simpler and up to **3x faster than flanged connections**.



USING VICTAULIC BUTTERFLY VALVES CAN REDUCE INSTALLATION TIME BY UP TO **83%**



## Reduce total installation costs

The simplicity of the grooved design requires minimal equipment during the installation process, creating substantial savings. Victaulic grooved end valves can **reduce installation costs by up to 30%**.



**VICTAULIC GROOVED VALVES ARE AVAILABLE FOR USE ON A VARIETY OF PIPE MATERIALS: CARBON STEEL, (THIN WALL) STAINLESS STEEL AND DUCTILE IRON.**

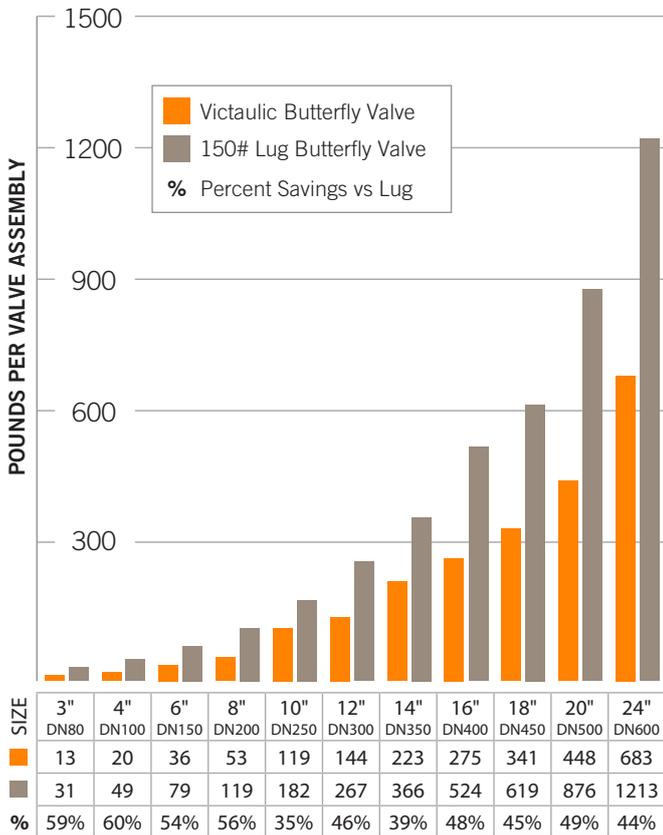


# FLOW CONTROL SOLUTIONS

FOR COMMERCIAL AND INDUSTRIAL CONSTRUCTION



Weight Comparison



## Weight savings and safety impact

Utilizing Victaulic butterfly valves **reduces the overall valve weight by 35%–60%**, while also minimizing the number of lifted and rigged loads. The table to the left compares the weight difference between grooved valves with couplings and lug valves with 150# weld neck flanges and cap screws.



USING VICTAULIC BUTTERFLY VALVES CAN REDUCE THE SYSTEM WEIGHT BY UP TO **60%**



## Simplify maintenance

Victaulic couplings and valves provide a **union at every joint**, allowing easy access to the system and flexibility for future system expansion. Maintenance, repair and operations tasks such as cleaning strainers, mucking valves or pigging lines are more easily accomplished.

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## Elimination of dismantling joints

Victaulic grooved end valves eliminate the need for dismantling joints, reducing the total number of joints necessary to run and maintain the system. This allows for a **reduction in system footprint and total installed cost**.



# FLOW CONTROL SOLUTIONS

Series 761  
Vic-300™ MasterSeal™  
Butterfly Valve

Series 732  
Vic-Strainer  
Wye Type

Series 731-D  
Suction Diffuser

Series 122  
Installation-Ready™  
Butterfly Valve

Series 716  
Vic-Check  
Valve



# DISCOVER OUR INSTALLATION-READY™ BUTTERFLY VALVES



## When valve meets coupling: efficiencies follow

- Pre-assemble valves – just push it on a piece of grooved pipe
- Faster assembly compared to flanged wafer valves
- Lower profile design and weight than wafer valves
- Pad-to-pad visual confirmation of a proper installation
- Fully-lined waterway
- Multiple operating options



## Installation-Ready™ Rubber-Lined Butterfly Valve with Aluminum Bronze Disc

SERIES 122

[Download publication 08.32](#) for complete information

- Designed for use on metallic pipe which features ends formed with the Victaulic Original Groove System (OGS) groove profile
- Designed for bi-directional service to full working pressure
- Available with multiple handle options
- Sizes from 2–8" | DN50–DN200
- Pressures up to 232 psi | 1600 kPa | 16 bar



## Vic-300™ MasterSeal™ Butterfly Valve

SERIES 761

[Download publication 08.20](#) for complete information

- Designed for bi-directional, dead end services to full working pressure
- Multiple seat, disc material and handle options available
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.06](#) for information on Series W761

Contact Victaulic with any questions regarding certifications/listings on all products.



## High Pressure *Vic-Check* Valve

SERIES 716H

[Download publication 08.08](#) for complete information

- Provides leak-free sealing under conditions as low as 5ft. | 1.5m of head
- Sizes from 2–3" | DN50–DN80
- Pressures up to 365 psi | 2517 kPa | 25 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.08](#) for information on Series W715



## *Vic-Check* Valve

SERIES 716

[Download publication 08.08](#) for complete information

- Provides leak-free sealing under conditions as low as 5ft. | 1.5m of head
- Sizes from 2½–12" | 73.0mm–DN300
- Pressures up to 365 psi | 2517 kPa | 25 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.08](#) for information on Series W715



## *Vic-Ball* Valve

SERIES 721

[Download publication 08.14](#) for complete information

- Floating ball with standard port, reduces torque requirements
- Sizes from 4–6" | DN100–DN150
- Pressures up to 800 psi | 5515 kPa | 55 bar

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Contact Victaulic with any questions regarding certifications/listings on all products.

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## ***Vic-Ball Valve***

**SERIES 726**

[Download publication 08.23](#) for complete information

- High pressure standard port NACE MR-01-75-compliant ball valve
- Available without a handle, or with a lever or gear operator
- Sizes from 1½–6" | DN40–DN150
- Pressures up to 1000 psi | 6895 kPa | 69 bar



## **Ball Valve**

**SERIES 727**

[Download publication 08.42](#) for complete information

- High pressure enhanced port NACE MR-01-75-compliant ball valve
- Up to ⅓ better flow than competitive standard port ball valves
- Floating ball with standard port, reduces torque requirements
- Sizes from 2–6" | DN50–DN150
- Pressures up to 1500 psi | 10342 kPa | 103 bar



## ***Vic-Plug Valve***

**SERIES 377**

[Download publication 08.12](#) for complete information

- Only eccentric grooved end plug valve made specifically for throttling services
- Available without handle, with lever operator or gear operator
- Sizes from 3–12" | DN80–DN300
- Pressures up to 175 psi | 1207 kPa | 12 bar

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Contact Victaulic with any questions regarding certifications/listings on all products.

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## Suction Diffuser

SERIES 731-D

[Download publication 09.20](#) for complete information

- Allows piping assembly at a 90° angle from the pump, saving valuable space in the mechanical room while minimizing cavitation
- Available flanged connections: ANSI Class 150, Australian Standard Table E, PN10/16, GB, and JIS 10K
- Sizes from 3–12" | DN80–DN300
- Pressures up to 365 psi | 2517 kPa | 25 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.20](#) for information on Series W731-D



## Vic-Strainer Tee Type

SERIES 730

[Download publication 09.02](#) for complete information

- Lighter than flanged Y-type strainers and provides straight-through flow for lower pressure drop
- Sizes from 1½–12" | DN40–DN300
- Pressures up to 750 psi | 5171 kPa | 52 bar
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.11](#) for information on Series W730



## Vic-Strainer Wye Type

SERIES 732

[Download publication 09.03](#) for complete information

- Provides straight-through flow for lower pressure drop
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Available in limited sizes for air handling units
- For AGS sizes 14–24" | DN350–DN600, [download publication 20.19](#) for information on Series W732



Contact Victaulic with any questions regarding certifications/listings on all products.



## AGS Vic-300™ Butterfly Valve

SERIES W761

[Download publication 20.06](#) for complete information

- Offers an easily installed choice to cumbersome, multi-bolt wafer or lug-type flanged valves
- Sizes from 14–24" | DN350–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For original groove sizes 2–12" | DN50–DN300, [download publication 08.20](#) for information on Series 761



## AGS Butterfly Valve

SERIES W719

[Download publication 23.19](#) for complete information

- Valve design, materials and testing conform to the requirements of AWWA C504
- Sizes from 14–60" | DN350–DN1500
- For Maximum Working Pressure, [download publication 23.19](#)



## AGS Vic-Check Double Disc Valve

SERIES W715

[Download publication 20.08](#) for complete information

- Utilizes a spring-assisted, double disc design that achieves drip tight sealing
- Can be installed in both horizontal or vertical positions
- Sizes from 14–24" | DN350–DN600
- Pressures up to 232 psi | 1600 kPa | 16 bar
- For original groove sizes 2–12" | DN50–DN300, [download publication 08.08](#) for information on Series 716H/716 or [download publication 08.10](#) for information on Series 779

Contact Victaulic with any questions regarding certifications/listings on all products.



## AGS Suction Diffuser

SERIES W731-D

[Download publication 20.20](#) for complete information

- Allows piping assembly at a 90° angle from the pump saving valuable space in the mechanical room while minimizing cavitation
- Flanges may be machined to match most global (ANSI, DIN, GB, JIS, and AS-E) flange bolt hole patterns within the diffuser pressure rating
- Sizes from 14–24" | DN350–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For original groove sizes 3–12" | DN80–DN300, [download publication 09.20](#) for information on Series 731-D



## AGS Vic-Strainer Tee Type

SERIES W730

[Download publication 20.11](#) for complete information

- Lighter than flanged Y-type strainers and provides straight-through flow for lower pressure drop
- Sizes from 14–24" | DN350–DN600
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For original groove sizes 1½–12" | DN40–DN300, [download publication 09.02](#) for information on Series 730



## AGS Vic-Strainer Wye Type

SERIES W732

[Download publication 20.19](#) for complete information

- Provides straight-through flow for lower pressure drop
- Sizes from 14–18" | DN350–DN450
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For original groove sizes 2–12" | DN50–DN300, [download publication 09.03](#) for information on Series 732

Contact Victaulic with any questions regarding certifications/listings on all products.



## Installation-Ready™ Rubber-Lined Butterfly Valve with 316 Stainless Steel Disc

SERIES 124

[Download publication 17.44](#) for complete information

- Designed for use on metallic pipe which features ends formed with the Victaulic Original Groove System (OGS) groove profile
- Designed for bi-directional service to full working pressure
- Available with multiple handle options
- Sizes from 2–8" | DN50–DN200
- Pressures up to 232 psi | 1600 kPa | 16 bar



## Vic-300™ MasterSeal™ Stainless Steel Butterfly Valve

SERIES 461

[Download publication 17.40](#) for complete information

- Designed for bi-directional, dead end services to full working pressure
- Multiple seat and handle options available
- Designed for use with fittings and couplings featuring Victaulic® Original Groove System (OGS) grooved ends for fast installation
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar



## Stainless Steel Check Valve

SERIES 416

[Download publication 17.41](#) for complete information

- Resilient-seat spring return swing check valve designed for horizontal or vertical (upward flow) applications
- Designed for use with fittings and couplings featuring Victaulic Original Groove System (OGS) grooved ends for fast installation
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar

Contact Victaulic with any questions regarding certifications/listings on all products.



## Duplex Double Disc Check Valve

SERIES 415

[Download publication 17.37](#) for complete information

- Designed for use with pipe which features ends formed with either Victaulic's proprietary StrengThin™ groove profile or the Victaulic® Original Groove System (OGS) profile, specify when ordering
- Sizes from 2–18" | DN50–DN450
- Pressures up to 1200 psi | 8274 kPa | 83 bar



## Type 316 Vic-Ball Valve

SERIES 726S

[Download publication 17.22](#) for complete information

- High pressure Type 316 stainless steel standard port ball valve with *Victaulic* Original Groove System (OGS) grooved ends
- Sizes from 1½–6" | DN40–DN150
- Pressures up to 1000 psi | 6895 kPa | 69 bar

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Contact Victaulic with any questions regarding certifications/listings on all products.

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## Super Duplex *Vic-Ball* Valve

SERIES 726D

[Download publication 17.28](#) for complete information

- High pressure super duplex stainless steel standard port ball valve with *Victaulic* Original Groove System (OGS) grooved ends
- Sizes from 2–6" | DN50–DN150
- Pressures up to 1200 psi | 8274 kPa | 83 bar



## MTS™ Plug Valve

SERIES 465

[Download publication 17.36](#) for complete information

- Typically used in reverse osmosis desalination plants for on/off and control services
- Available without operator or with manual, pneumatic, hydraulic and electric actuators
- Available for use with pipe which features ends formed with either Victaulic's proprietary StrenGThin™ groove profile or the Victaulic® Original Groove System (OGS) profile, specify when ordering
- Sizes from 2–24" | DN50–DN600
- Pressures up to 1450 psi | 9997 kPa | 100 bar

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Contact Victaulic with any questions regarding certifications/listings on all products.

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## StrengThin™ 100 Installation-Ready™ Butterfly Valve

SERIES E125

[Download publication 31.05](#) for complete information

- Exclusively for use on thin wall stainless steel pipe which features Victaulic's proprietary StrengThin™ 100 groove profile
- Designed for bi-directional service to full working pressure
- Multiple seat and handle options available
- Sizes from 2–8" | DN50–DN200
- Pressures up to 232 psi | 1600kPa | 16 bar
- Regional availability, contact [Victaulic](#) for details



## StrengThin™ 100 Vic-300™ MasterSeal™ Stainless Steel Butterfly Valve

SERIES E461

[Download publication 17.40](#) for complete information

- Exclusively for use on thin wall stainless steel pipe which features Victaulic's proprietary StrengThin 100 groove profile
- Designed for bi-directional, dead end services to full working pressure
- Multiple seat and handle options available
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



## StrengThin™ 100 Stainless Steel Check Valve

SERIES E416

[Download publication 17.41](#) for complete information

- Exclusively for use on thin wall stainless steel pipe which features Victaulic's proprietary StrengThin 100 groove profile
- Resilient-seat spring return swing check valve designed for horizontal or vertical (upward flow) applications
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

Contact Victaulic with any questions regarding certifications/listings on all products.



### U.S./World Headquarters

4901 Kesslersville Road  
Easton, PA 18040 USA

 [victauliclocations.com](https://victauliclocations.com)

### EMEA

Prijkelstraat 36  
9810 Nazareth, Belgium

### Asia Pacific

Unit 808, Building B  
Hongwell International Plaza  
No.1602 West Zhongshan Road  
Shanghai, China 200235



PB-423-EMEA | 18160 REV A | 04/2022

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