









QuickVic™ SD
Installation-Ready™ System

The Victaulic® QuickVic™ SD Installation-Ready™ System is the most efficient and economical way to join carbon steel piping systems sized 2" | DN50 and down. It offers a significant total installed cost savings when compared to current pipe materials and installation methods used, including carbon steel thread or press and copper press or sweat. Available in sizes ½–2" | DN15–DN50, the products can be used on Schedules 10 through 80 carbon steel pipe and have a maximum working pressure and temperature rating of 300 psi | 2068 kPa | 21 bar and 250° F | 120° C (EPDM gasket).



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Plain End System

The Victaulic plain end piping method is ideal for maintenance and repairs, as well as new systems such as roof drains, slurries, tailings and oil field services.

Victaulic plain end couplings are primarily designed for use on standard weight steel pipe (Schedule 40), but may be used on light wall steel or other metallic pipe, such as aluminum or stainless steel. They are not intended for use on plastic pipe, plastic-coated pipe or brittle pipe, such as asbestos cement or cast iron. Nor are they intended for use on pipe with a surface hardness greater than 150 Brinell.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



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QuickVic™ SD Installation-Ready™ Rigid Coupling

STYLE P07

[Download publication 34.01](#) for complete information

- For use on plain end Schedules 10 through 80 carbon steel pipe
- Sizes from ½–2" | DN15–DN50
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



QuickVic™ SD Installation-Ready™ Slip Coupling

STYLE P08

[Download publication 34.01](#) for complete information

- For use on plain end Schedules 10 through 80 carbon steel pipe
- Sizes from ½–2" | DN15–DN50
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



QuickVic™ SD Installation-Ready™ Reducing Coupling

STYLE P50

[Download publication 34.01](#) for complete information

- For use on plain end Schedules 10 through 80 carbon steel pipe
- Sizes from ¾ × ½" through 2 × 1½" | DN20 × DN15 through DN50 × DN40
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

Plain End System for Carbon Steel

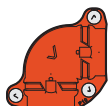
INSTALLATION-
READY™



QuickVic™ SD Installation-Ready™ Fittings

[Download publication 34.01](#) for complete information

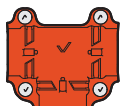
- For use on plain end Schedules 10 through 80 carbon steel pipe
- Ready to install fittings
- Sizes from ½–2" | DN15–DN50
- Pressures up to 300psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



No. P10
90° Elbow



No. P11
45° Elbow



No. P20
Tee



No. P60
Cap



QuickVic™ SD Threaded Adapters

NO. P40 THREADED ADAPTER

(MALE NPT × PLAIN END)

NO. P80 THREADED ADAPTER

(FEMALE NPT × PLAIN END)

[Download publication 34.01](#) for complete information

- For use on plain end Schedules 10 through 80 carbon steel pipe
- Compatible with QuickVic™ SD couplings, fittings and valve
- Sizes from ½–1¼" | DN15–DN32
- Regional availability, contact [Victaulic](#) for details



QuickVic™ SD Dielectric Adapters

NO. P47 STRAIGHT DIELECTRIC ADAPTER

(SWEAT × PLAIN END)

NO. P97 90° ELBOW DIELECTRIC ADAPTER

(SWEAT × PLAIN END)

[Download publication 34.01](#) for complete information

- For use on plain end Schedules 10 through 80 carbon steel pipe
- Compatible with QuickVic SD couplings, fittings and valve
- Sizes from ½–1¼" | DN15–DN32
- Regional availability, contact [Victaulic](#) for details



QuickVic™ SD Ball Valve

SERIES P89

[Download publication 34.01](#) for complete information

- For use on plain end Schedules 10 through 80 carbon steel pipe
- Sizes from ½–2" | DN15–DN50
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

Plain End System for Carbon Steel



Roust-A-Bout Plain End Coupling

STYLE 99

[Download publication 14.02](#) for complete information

- Grips to provide a strong component for joining plain and beveled end pipe and fittings
- Not designed for use with plastic pipe
- Sizes from 1 – 18" | DN25 – DN450
- Pressures up to 750 psi | 5171 kPa | 52 bar
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



Plain End Fittings

[Download publication 14.04](#) for complete information

- Provides change of direction to plain end piping systems
- Ready to install fitting
- Compatible only with Style 99 *Roust-A-Bout* coupling
- Sizes from 1–12" | DN25–DN300
- Fitting pressure rating conforms to pressure rating of Style 99 *Roust-A-Bout* couplings
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



No. 10P
90° Elbow



No. 11P
45° Elbow



No. 100P
90° Long
Radius Elbow



No. 110P
45° Long
Radius Elbow



No. 20P
Tee



No. 25P
Reducing Tee



No. 30P
45° Lateral



No. 33P
True Wye



No. 35P
Cross



No. 40P
Adapter Nipple
(Plain End x
Thread)



No. 42P
Adapter Nipple
(Plain End x
Bevel)



No. 43P
Adapter Nipple
(Plain End x
Groove)



No. 53P
Swaged Nipple



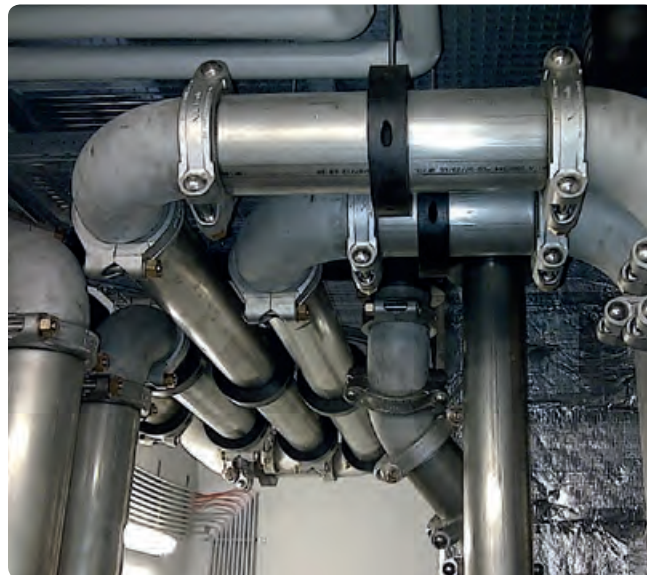
No. 61P
Steel Bull Plug

Stainless Steel System

Original Groove System

The Victaulic® Original Grooved System (OGS) for Stainless Steel features a full line of couplings, fittings and valves designed for use on ¾–24" | DN20–DN600 Type 304/304L and 316/316L stainless steel pipe. Performance varies by product, see Victaulic product publications for more information.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings




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Advanced Groove System

Victaulic offers a comprehensive portfolio of Advanced Groove System (AGS) couplings for systems 14–78" | DN350–DN1950 and AGS fittings for systems 14–24" | DN350–DN600. Our large diameter piping solutions provide strength and dependability in addition to speed, making them an excellent choice over welding. Other advantages AGS joints provide over welded joints include no flame installation, superior seismic shock resistance, and a union at every joint for easy adjustment, system maintenance or system expansion.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

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Vic-Press™ System

The revolutionary Victaulic® Vic-Press™ for Schedule 10S system provides quick, easy and safe installation and maintenance for off-the-shelf ASTM A-312 stainless steel pipe. It has the integrity to stand up to the demands of industrial applications by providing a positive mechanical interlock between the pipe and the fitting.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

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StrengThin™ System

The *Victaulic* StrengThin™ system, ideally suited for high-pressure SWRO applications, delivers weld-like load carrying capabilities on thin wall stainless steel pipe. The system accommodates pressures up to 1200 psi | 8274 kPa | 83 bar, and is designed with duplex stainless steel to provide corrosion resistance. The system, consisting of couplings, fittings, and valves, is specifically designed for use on Victaulic's proprietary *StrengThin* groove profile, and is available in 2–20" | DN50–DN500.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings


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Stainless Steel System

StrengThin™ 100 System

The Victaulic® StrengThin™ 100 system is specifically designed to perform up to 232 psi | 1600 kPa | 16 bar on thin wall Type 304/316 stainless steel pipe. Exclusively for use with couplings, fittings, valves, accessories and pipe which feature ends formed with Victaulic's proprietary *StrengThin* 100 groove profile, the system is available in sizes 2–12" | DN50–DN300, and it eliminates the need for pickling or passivating the joint and for a fire watch.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

To learn more visit strengthen100.com



High Performance System for Stainless Steel

Victaulic has expanded its high performance line for use on stainless steel pipe. Available in sizes 2–8" | DN50–DN200, the system includes the Style 870 rigid coupling, a full line of fittings, roll grooving tools, and roll sets that eliminate the need to weld steam systems up to 200 psi | 1379 kPa | 14 bar.

[Download publication 25.12](#) for OGS-200 Roll Groove Specifications

To learn more visit victaulicsteam.com

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Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

Type 316 Rigid Coupling

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
- Designed for use with fittings and valves featuring Victaulic® Original Groove System (OGS) grooved ends for fast installation
- 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:



Rigid Coupling for Stainless Steel

STYLE 89

[Download publication 17.24](#) for complete information

- Greatly reduces linear or angular movement and is useful for valve connections where rigidity is required
- Designed for use with fittings and valves featuring Victaulic Original Groove System (OGS) grooved ends for fast installation
- Galvanized coated ductile iron coupling
- Sizes from 2–12" | DN50–DN300
- Pressures up to 1200 psi | 8274 kPa | 83 bar
- For the duplex stainless steel coupling, [download publication 17.33](#) for Style 489DX



Duplex Rigid Coupling

STYLE 489DX

[Download publication 17.33](#) for complete information

- Greatly reduces linear or angular movement and is useful for valve connections where rigidity is required
- Designed for use with fittings and valves featuring Victaulic Original Groove System (OGS) grooved ends for fast installation
- Sizes from 2–12" | DN50–DN300
- Pressures up to 1200 psi | 8274 kPa | 83 bar
- Optional super duplex stainless steel housing
- For the Type 316 stainless steel coupling, [download publication 17.25](#) for Style 489

Stainless Steel System



Type 316 Flexible Coupling

STYLE 77S

[Download publication 17.03](#) for complete information

- Provides a rugged mechanical joint for grooved end stainless steel piping systems
- Designed for use with fittings and valves featuring Victaulic® Original Groove System (OGS) grooved ends for fast installation
- Sizes from 8–18" | DN200–DN450
- Pressures up to 300 psi | 2068 kPa | 21 bar
- For the duplex coupling in sizes ¾–6" | DN20–DN150, [download publication 17.20](#) for information on Style 77DX



Type 316 Lightweight Flexible Coupling

STYLE 475

[Download publication 17.14](#) for complete information

- Unique coupling design permits assembly by removing one nut/bolt and scissoring housing over gasket
- Designed for use with fittings and valves featuring Victaulic Original Groove System (OGS) grooved ends for fast installation
- Sizes from 1–4" | DN25–DN125 | 165.1 mm
- Pressures up to 500 psi | 3447 kPa | 34 bar
- For the duplex coupling, [download publication 17.34](#) for information on Style 475DX

Certifications/Listings:



Duplex Flexible Coupling

STYLE 77DX

[Download publication 17.20](#) for complete information

- Designed to provide a rugged mechanical joint for roll grooved stainless steel systems
- Designed for use with fittings and valves featuring Victaulic Original Groove System (OGS) grooved ends for fast installation
- Sizes from ¾–6" | DN20–DN150
- Pressures up to 1200 psi | 8274 kPa | 83 bar
- Optional super duplex stainless steel housing
- For Type 316 stainless steel coupling in sizes 8–18" | DN200–DN450, [download publication 17.03](#) for information on Style 77S

Certifications/Listings:





Duplex Lightweight Flexible Coupling

STYLE 475DX

[Download publication 17.34](#) for complete information

- Unique coupling design permits assembly by removing one nut/bolt and scissoring housing over gasket
- Designed for use with fittings and valves featuring Victaulic® Original Groove System (OGS) grooved ends for fast installation
- Sizes from 1–4" | DN25–DN100
- Pressures up to 500 psi | 3447 kPa | 34 bar
- Optional super duplex stainless steel housing
- For the Type 316 stainless steel coupling, [download publication 17.14](#) for Style 475



Type 316 Vic-Flange Adapter

STYLE 441

[Download publication 17.27](#) for complete information

- ANSI Class 150
- Constructed from Grade CF8M stainless steel, making it ideal for externally corrosive environments
- Sizes from 2–6" | DN50–DN150
- Pressures up to 275 psi | 1896 kPa | 19 bar
- Available Flange Adapter Nipples:
No. 445F Flat Face Flange Adapter Nipple
No. 445R Raised Face Flange Adapter Nipple
No. 441N Flange Adapter Nipple (For EMEAI only)



Stainless Steel *Mechanical-T* Bolted Branch Outlet

STYLE 422

[Download publication 17.02](#) for complete information

- Provides a direct Victaulic Original Groove System (OGS) grooved or female threaded branch connection at any location where a hole can be cut in the pipe
- A pressure responsive gasket provides the seal
- Also suitable for use with HDPE pipe
- Sizes from 2–10" | DN50–DN250
- Pressures up to 300 psi | 2068 kPa | 21 bar

Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Stainless Steel System



Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Stainless Steel Schedule 10S Fittings

[Download publication 17.16](#) for complete information

- Grooved ends eliminate pipe end preparation for the fittings
- Designed for use with couplings featuring Victaulic® Original Groove System (OGS) grooved ends for fast installation
- Sizes from ¾ – 12" | DN20 – DN300
- Available in Type 304L or 316L
- [Download publication 17.27](#) for stainless steel flange options



No. 410 SS
90° Elbow



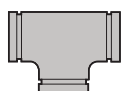
No. 411 SS
45° Elbow



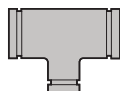
No. 412 SS
22½° Elbow



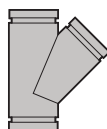
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11¼° Elbow



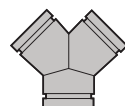
No. 420 SS
Tee



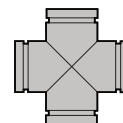
No. 425 SS
Grooved Branch
Reducing Tee



No. 430 SS
45° Lateral



No. 433 SS
True Wye



No. 435 SS
Cross



No. 441N
Flanged
Adapter Nipple
(EMEA-I Only)



No. 442 SS
Adapter Nipple
(Groove x
Bevel)



No. 443 SS
Adapter Nipple
(Groove x
Groove)



No. 445F
Flat Face
Flanged
Adapter Nipple



No. 445R
Raised Face
Flanged
Adapter Nipple



No. 450 SS
Concentric
Reducer



No. 451 SS
Eccentric
Reducer



No. 460 SS
Cap



Stainless Steel Schedule 40S Fittings

[Download publication 17.16](#) for complete information

- Grooved ends eliminate pipe end preparation for the fittings
- Designed for use with couplings featuring Victaulic® Original Groove System (OGS) grooved ends for fast installation
- Sizes from $\frac{3}{4}$ –12" | DN20–DN300
- Available in Type 304L or 316L
- Designed for higher pressure systems
- [Download publication 17.27](#) for stainless steel flange options

Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



No. 410H SS
90° Elbow



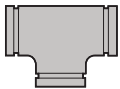
No. 411H SS
45° Elbow



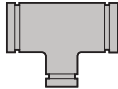
No. 412H SS
22½° Elbow



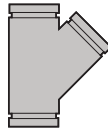
No. 413H SS
11¼° Elbow



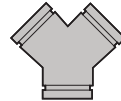
No. 420H SS
Tee



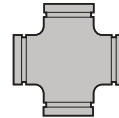
No. 425H SS
Grooved Branch
Reducing Tee



No. 430H SS
45° Lateral



No. 433H SS
True Wye



No. 435H SS
Cross



No. 440H SS
Adapter Nipple
(Groove x
Thread)



No. 441N
Flanged
Adapter Nipple
(EMEA-I Only)



No. 442H SS
Adapter Nipple
(Groove x
Bevel)



No. 443H SS
Adapter Nipple
(Groove x
Groove)



No. 445F
Flat Face
Flanged
Adapter Nipple



No. 445R
Raised Face
Flanged
Adapter Nipple



No. 450H SS
Concentric
Reducer



No. 451H SS
Eccentric
Reducer



No. 460H SS
Cap

Stainless Steel System



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

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
- Available without handle, with gear operator, with lever lock handle and memory stop, or with 10-position handle and memory stop
- 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



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

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



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

Stainless Steel Swing Check Valve

SERIES 712S

[Download publication 17.08](#) for complete information

- The large closure access bonnet permits easy access for in-line service
- Designed for use with fittings and couplings featuring Victaulic Original Groove System (OGS) grooved ends for fast installation on inlet and outlet ports
- Available in size 2" | DN50
- Pressures up to 300 psi | 2068 kPa | 21 bar



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

Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



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



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

Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

Stainless Steel System



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Duplex 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 2–20" | DN50–DN500
- Pressures up to 1450 psi | 9997 kPa | 100 bar



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Three-Piece Vic-Press™ Ball Valve

SERIES P569

[Download publication 18.14](#) for complete information

- The three-piece design permits easy in-line maintenance
- Quarter-turn, bubble-tight shut-off valve, available in three end configurations: Press × Press, Groove × Press and Groove × Groove
- Sizes from ½–2" | DN15–DN50
- Pressures up to 400 psi | 2758 kPa | 28 bar
- For the entire Vic-Press™ line of products, see pgs. 66 and 67



Vic-Press™ For Schedule 10S Stainless Steel Type 304

[Download publication 18.12](#) for complete information

- Fast, easy, reliable way to join small diameter Schedule 5S or 10S Type 304/304L stainless steel
- Meets ASME requirements for ANSI Class 150 systems
- Sizes from ½–2" | DN15–DN50
- Pressures up to 500 psi | 3447 kPa | 34 bar

Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

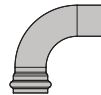
[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Connection Key

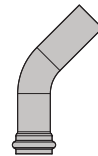
P Press
F Female Thread
M Male Thread
T Plain End
L Flanged
G Grooved



Style P540
End Cap



Style P542
90° Street
Elbow
(P × T)



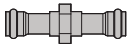
Style P543
45° Street
Elbow
(P × T)



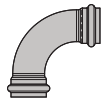
Style P561
Weld Adapter
(P × T)



Style P565
Van Stone
Flange Adapter
(P × L)



Style P584
Threaded
Union
(P × P)



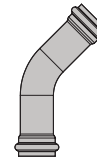
Style P586
Short Tangent
90° Elbow
(P × P)



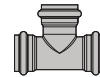
Style P587
Transition
Nipple
(G × T)



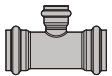
Style P588
Tee with
Threaded
Branch
(P × P × F)



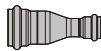
Style P591
45° Elbow
(P × P)



Style P592
Tee
(P × P × P)



Style P593
Tee with
Reducing
Branch
(P × P × P)



Style P594
Concentric
Reducer
(P × P)



Style P595
Flange Adapter
(P × L)



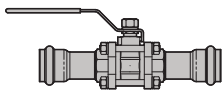
Style P596
Male Threaded
Adapter
(P × M)



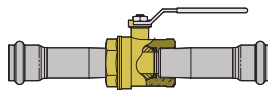
Style P597
Standard
Coupling
(P × P)



Style P599
Female
Threaded
Adapter
(P × F)



Style P569
Stainless Steel Ball Valve
(P × P shown)
(G × G and P × G also available)



Style P589
Brass Body Ball Valve
(P × P)



PFT510
Vic-Press
Tool,
pg. 141

Stainless Steel System



Vic-Press™ For Schedule 10S Stainless Steel Type 316

[Download publication 18.11](#) for complete information

- Fast, easy, reliable way to join small diameter Schedule 5S or 10S Type 316/316L stainless steel
- Meets ASME requirements for ANSI Class 150 systems
- Sizes from ½–2" | DN15–DN50
- Pressures up to 500 psi | 3447 kPa | 34 bar

Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Connection Key

P Press
F Female Thread
M Male Thread
T Plain End
L Flanged
G Grooved



Style P507
Standard Coupling
(P × P)



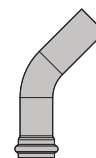
Style P508
Slip Coupling
(P × P)



Style P560
End Cap



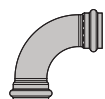
Style P562
90° Street Elbow
(P × T)



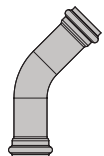
Style P563
45° Street Elbow
(P × T)



Style P566
Van Stone Flange Adapter
(P × L)



Style P568
Short Tangent 90° Elbow
(P × P)



Style P571
45° Elbow
(P × P)



Style P572
Tee
(P × P × P)



Style P573
Tee with Reducing Branch
(P × P × P)



Style P574
Concentric Reducer
(P × P)



Style P575
Flange Adapter
(P × L)



Style P576
Male Threaded Adapter
(P × M)



Style P577
Transition Nipple
(G × T)



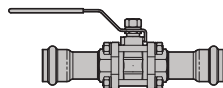
Style P578
Tee with Threaded Branch
(P × P × F)



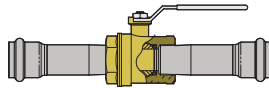
Style P579
Female Threaded Adapter
(P × F)



Style P585
Threaded Union
(P × P)



Style P569
Stainless Steel Ball Valve
(P × P shown)
(G × G and P × G also available)



Style P589
Brass Body Ball Valve
(P × P)



PFT510
Vic-Press Tool,
pg. 141



StrengThin™ High Pressure Rigid Coupling

STYLE D08

[Download publication 17.30](#) for complete information

- Designed for use on high pressure thin wall super austenitic, duplex and super duplex stainless steel pipe
- Exclusively for use on pipe which feature ends formed with Victaulic's proprietary StrengThin™ groove profile
- Sizes from 2–20" | DN50–DN500
- Pressures up to 1200 psi | 8274 kPa | 83 bar
- Regional availability, contact [Victaulic](#) for details



StrengThin™ High Pressure Fittings

[Download publication 17.32](#) for complete information

- Designed for use on high pressure thin wall super austenitic, duplex and super duplex stainless steel pipe
- Exclusively for use on pipe which feature ends formed with Victaulic's proprietary *StrengThin* groove profile
- Sizes from 2–20" | DN50–DN500
- Pressures up to 1200 psi | 8274 kPa | 83 bar
- Regional availability, contact [Victaulic](#) for details



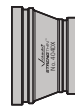
No. 401DX
90° Elbow



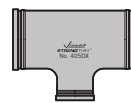
No. 402DX
Tee



No. 403DX
45° Elbow



No. 404DX
Concentric Reducer



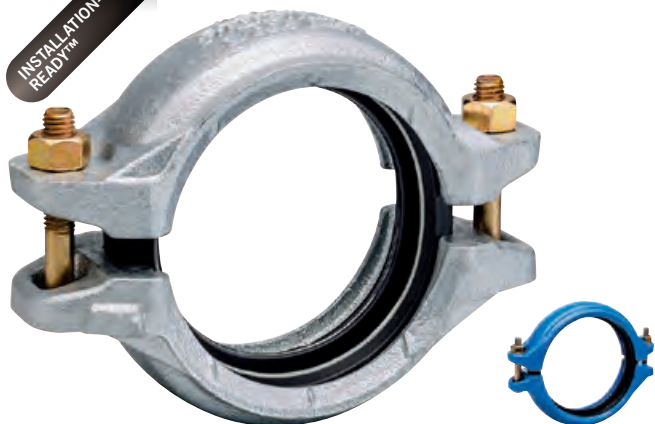
No. 405DX
Reducing Tee



No. 406DX
Cap

Stainless Steel System

INSTALLATION-
READY™



StrengThin™ 100 Rigid Coupling

STYLE E497

[Download publication 31.02](#) for complete information

- Exclusively for use on thin wall stainless steel pipe which features Victaulic's proprietary StrengThin™ 100 groove profile
- Sizes from 2–12" | DN50–DN300
- Pressures up to 232 psi | 1600 kPa | 16 bar
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



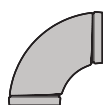
StrengThin™ 100 Fittings

[Download publication 31.04](#) for complete information

- Exclusively for use on thin wall stainless steel pipe which features Victaulic's proprietary StrengThin 100 groove profile
- Sizes from 2–12" | DN50–DN300
- Regional availability, contact [Victaulic](#) for details



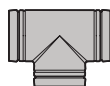
Certifications/Listings:



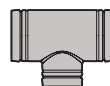
No. E490
90° Elbow



No. E491
45° Elbow



No. E492
Tee



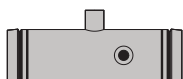
No. E493
Reducing Tee



No. E494
Adapter Nipple
(ST100 Groove x Plain End)



No. E494G
Adapter Nipple
(OGS Groove x ST100 Groove)



No. E494I
Instrumentation Nipple
(ST100 Groove x ST100 Groove)



No. E495
Concentric Reducer



No. E496
Cap



No. E498
Flange Adapter



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

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
- Available with multiple handle options
- Sizes from 3–8" | DN80–DN200
- Pressures up to 232 psi | 1600 kPa | 16 bar
- Regional availability, contact [Victaulic](#) for details



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

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
- Available with multiple handle options
- Sizes from 2–12" | DN50–DN300
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

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 | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

Stainless Steel System



StrenghThin™ 100 Expansion Joint

STYLE E155

[Download publication 31.07](#) for complete information

- Exclusively for use on thin wall stainless steel pipe which features Victaulic's proprietary *StrenghThin* 100 groove profile
- Sizes from 2–12" | DN50–DN300
- Style E155 expansion joints are rated to the working pressure of the coupling used
- Regional availability, contact [Victaulic](#) for details

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Copper System

The Victaulic® grooved copper system offers a full line of couplings, fittings and valves for systems rated up to 300 psi | 2068 kPa | 21 bar, as well as a line of roll grooving tools for on-site grooving. The *Victaulic* grooved copper system is cold-formed, eliminating the need for soldering or brazing. The copper connection system joins 2–8" | 54.0–206.4 mm | DN50–DN200 of the following types of copper tube:

- CTS: Types K, L, M or DWV
- Australian Standard: Types A, B or D
- European EN 1057: R250

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



Couplings	page	Fittings	page
 QuickVic™ Rigid Coupling for CTS Copper	74	 Fittings for CTS, Australian Standard and European Copper	76
 Rigid Coupling for Australian Standard and European Copper	74		
 Installation-Ready™ Transition Coupling for CTS Copper to Stainless Steel for Potable Water	74	Valve	page
		 Butterfly Valve for CTS and Australian Standard Copper	77
Adapter	page	Outlet	page
 Vic-Flange Adapter for CTS and European Copper	75	 Mechanical-T Bolted Branch Outlet and Cross Assemblies for CTS Copper	77
Dielectric Fitting	page		
 Dielectric Fitting for CTS Copper	75		



QuickVic™ Rigid Coupling for CTS Copper

STYLE 607

[Download publication 22.13](#) for complete information

- Designed for use on K, L, M or DWV copper tubing and available in sizes from 2–8" | 54.0–206.4 mm
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



Rigid Coupling for Australian Standard and European Copper

STYLE 606-AS and STYLE 606

[Download publication 22.51](#) for Australian Standard
[Download publication 22.11](#) for European

- Style 606-AS for Australian Standard copper designed for use on Types B and D copper tubing and available in sizes from 2–8" | DN50–DN200
- Style 606 for European copper designed for use on R250 copper tubing and available in sizes from 2–6" | DN50–DN150
- Pressures up to 355 psi | 2448 kPa | 24 bar
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



Installation-Ready™ Transition Coupling for CTS Copper to Stainless Steel for Potable Water

STYLE 644

[Download publication 22.44](#) for complete information

- Provides direct, single coupling connection
- Designed for use only on Types 304 or 316 Schedules 10S and 40S stainless steel pipe and ASTM B88 Types K, L and M copper tubing and ASTM B306 Type DWV copper tubing
- Sizes from 2–6" | DN50–DN150
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Copper System



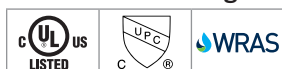
Vic-Flange Adapter for CTS and European Copper

STYLE 641

[Download publication 22.03](#) for CTS
[Download publication 22.11](#) for European

- Sizes from 2–6" | 54.0–155.6 mm | DN50–DN150
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings



Dielectric Fitting for CTS Copper

STYLE 647

[Download publication 22.21](#) for complete information

- Used to join carbon steel or stainless steel pipe to copper tubing with one fitting
- Available in groove × groove, groove × thread or thread × thread
- Sizes from ½–4" | 12.2–104.8 mm
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Fittings for Copper

[Download publication 22.04](#) for CTS

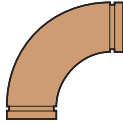
[Download publication 22.52](#) for Australian Standard

[Download publication 22.11](#) for European

- Full-flow, standard radius copper fittings are supplied as either roll grooved wrought copper or bronze fittings
- Designed for installation in copper systems using either a Style 607 rigid coupling, Style 606 rigid coupling, or a Style 641 flange adapter
- Sizes from 2–8" | 54.0–206.4 mm | DN50–DN200 for CTS and European copper
- Sizes from 2–6" | 50.8–152.4 mm | DN50–DN150 for Australian Standard copper
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



No. 610
No. 610-AS
No. 610-EN
90° Elbow



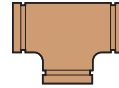
No. 610-LR-AS
90° Long
Radius Elbow



No. 611
No. 611-AS
No. 611-EN
45° Elbow



No. 611-LR-AS
45° Long
Radius Elbow



No. 620
No. 620-AS
No. 620-EN
Tee



No. 625
No. 625-AS
No. 625-EN
Reducing Tee
(Groove x Groove
x Groove)



No. 626
No. 626-EN
Reducing Tee
(Groove x Groove
x Cup)



No. 643
Adapter
Nipple



No. 650
No. 650-AS
No. 650-EN
Concentric
Reducer
(Groove x Groove)



No. 652
No. 652-EN
Concentric
Reducer
(Groove x Cup)



No. 660
No. 660-AS
No. 660-EN
Cap

Copper System



Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

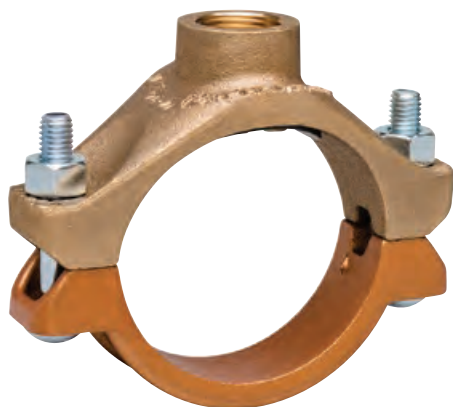
Butterfly Valve for CTS and Australian Standard Copper

SERIES 608N and SERIES 608N-AS

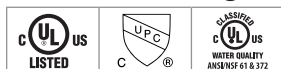
[Download publication 22.14](#) for CTS

[Download publication 22.53](#) for Australian Standard

- Joins quickly to copper tube by utilizing Style 607 rigid couplings
- Style 608N for CTS copper available in sizes from 2½–6" | 50.8–152.4 mm
- Style 608N-AS for Australian Standard copper available in sizes from 2–6" | DN50–DN150
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Mechanical-T Bolted Branch Outlet and Cross Assemblies for CTS Copper

STYLE 622

[Download publication 22.12](#) for complete information

- Provides a direct branch connection at any location on K, L and M copper tubing
- Sizes from 2½–4" | 66.7–104.8 mm
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details







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Shouldered Steel System

Victaulic offers a range of couplings, fittings and valves for shouldered piping systems from 2–12" | DN50–DN300, up to 610 psi | 4200 kPa | 42 bar. Style SC77 features Installation-Ready™ technology which eliminates loose parts and speeds installation time.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



Couplings	page	Fittings	page
 Installation-Ready Flexible Coupling for Shouldered Steel Pipe (Style SC77)	80	 Shouldered Steel Fittings	81
 Flexible Coupling for Shouldered Steel Pipe (Style SC85)	80	Valves	page
 Transition Coupling for HDPE to Shouldered Steel (Style SC998)	80	 Shouldered Gate Valve (Series 7S2)	82
		 Shouldered Butterfly Valve (Series 761SC)	82



Installation-Ready™ Flexible Coupling for Shouldered Steel Pipe

STYLE SC77

[Download publication 16.10](#) for complete information

- Sizes from 2–8" | DN50–DN200 (pipe O.D.)
- Pressures up to 580 psi | 4000 kPa | 40 bar
- Supplied standard with galvanized coating
- Regional availability, contact [Victaulic](#) for details

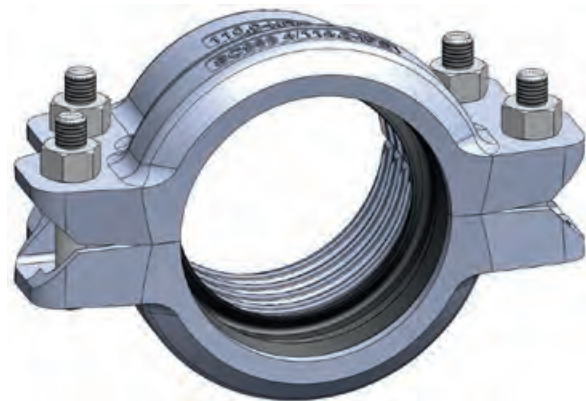


Flexible Coupling for Shouldered Steel Pipe

STYLE SC85

[Download publication 16.21](#) for complete information

- Sizes from 2–12" | DN50–DN300 (pipe O.D.)
- Pressures up to 610 psi | 4200 kPa | 42 bar
- Supplied standard with galvanized coating
- Regional availability, contact [Victaulic](#) for details



Transition Coupling for HDPE to Shouldered Steel

STYLE SC998

[Download publication 19.08](#) for complete information

- Sizes available to join 63–110 mm HDPE pipe to 2–4" | DN50–DN100 shouldered pipe (pipe O.D.)
- Pressure rating conforms to the maximum pressure rating of the pipe
- Regional availability, contact [Victaulic](#) for details

Shouldered Steel System



Shouldered Steel Fittings

[Download publication 07.06](#) for complete information

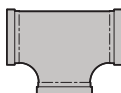
- Shouldered end fittings are designed to be installed using either the Style SC77 Installation-Ready™ flexible coupling or the Style SC85 flexible coupling
- Sizes from 2–8" | DN50–DN200 (pipe O.D.)
- Pressure ratings conform to ratings of installed coupling
- Fittings supplied standard with galvanized coating
- Regional availability, contact [Victaulic](#) for details



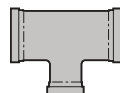
No. SC10
90° Elbow



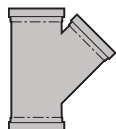
No. SC11
45° Elbow



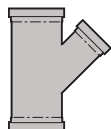
No. SC20
Tee



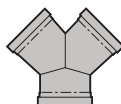
No. SC25
Reducing Tee



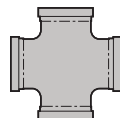
No. SC30
45° Lateral



No. SC30-R
45° Reducing Lateral



No. SC33
True Wye



No. SC35
Cross



No. SC45F
Flat Face Flanged Adapter Nipple



No. SC45R
Raised Face Flanged Adapter Nipple



No. SC50
Concentric Reducer



No. SC60
Cap



Shouldered Gate Valve

SERIES 7S2

[Download publication 08.44](#) for complete information

- Non-Rising Stem (NRS) gate valve designed in accordance with AS-2638.2
- Sizes from 3–8" | DN80–DN200 (pipe O.D.)
- Pressures up to 365 psi | 2517 kPa | 25 bar
- Regional availability, contact [Victaulic](#) for details



Shouldered Butterfly Valve

SERIES 761SC

[Download publication 08.31](#) for complete information








- Designed for bi-directional, dead end services to full working pressure
- Available bare, with gear operator, with lever lock handle and memory stop or with 10-position handle and memory stop
- Sizes from 2–8" | DN50–DN200 (pipe O.D.)
- Pressures up to 300 psi | 2068 kPa | 21 bar
- Regional availability, contact [Victaulic](#) for details

Ductile Iron System

The Victaulic® grooved ductile iron piping system is the fastest and easiest method for joining ductile iron pipe with 75% fewer bolts than flanging. *Victaulic* grooved piping components are available for use on AWWA C-606 class 53 pipe or heavier, and have a pressure rating of up to 500 psi | 3447 kPa | 34 bar, with a size range from 3–36" | DN80–DN900. Flush-Seal™ gaskets are specifically designed to seal on ductile iron pipe surfaces providing a triple seal to promote leak-free service for the life of the system.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



Couplings	page	Outlet	page
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 Transition Coupling for IPS to Ductile Iron (Style 307)	84		
		Valves	page
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		 <i>Vic-Plug</i> Valve for Ductile Iron (Series 365)	87
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Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

Coupling for Ductile Iron

STYLE 31

[Download publication 23.02](#) for complete information

- Coupling meets or exceeds the requirements of AWWA C606
- Provides a rigid or flexible joint on Class 53 or heavier wall pipe
- Sizes from 3–36" | DN80–DN900
- Pressures up to 500 psi | 3447 kPa | 34 bar
- Optional coatings include orange enamel, coal tar epoxy, organic zinc primer and bituminous
- Regional availability, contact [Victaulic](#) for details



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

Transition Coupling for IPS to Ductile Iron

STYLE 307

[Download publication 23.03](#) for complete information

- Coupling meets or exceeds the requirements of AWWA C606
- Single transition for connecting grooved end IPS steel to grooved end ductile iron
- Sizes from 3–12" | DN80–DN300
- Pressures up to 500 psi | 3447 kPa | 34 bar
- Optional coatings include galvanized, organic zinc primer and bituminous
- Regional availability, contact [Victaulic](#) for details



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

Vic-Flange Adapter for Ductile Iron

STYLE 341

[Download publication 23.04](#) for complete information

- Designed for direct connection of flanged components into a grooved cast or ductile system
- Sizes from 3–24" | DN80–DN600
- Pressures up to 250 psi | 1724 kPa | 17 bar
- Optional coatings include coal tar epoxy, organic zinc primer and bituminous
- Regional availability, contact [Victaulic](#) for details

Ductile Iron System



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

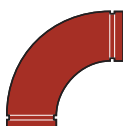
Fittings for Ductile Iron

[Download publication 23.05](#) for complete information

- Supplied with rigid radius grooves in accordance with ANSI/AWWA C-606
- Conform to ANSI 21.10/AWWA C-110 for center-to-end dimensions and AWWA C-153 or ANSI 21.10/AWWA C-110 for wall thicknesses
- Available with a wide variety of coatings and linings
- Victaulic can supply tapped fittings that meet ANSI B16.1 dimensions
- Sizes from 3–36" | DN80–DN900
- Regional availability, contact [Victaulic](#) for details



No. 10-C
90° Elbow



No. 100-C
90° Long Radius Elbow



No. 10-CB
Base Elbow



No. 100-CB
Long Radius Base Elbow



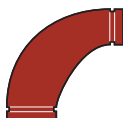
No. 10-CF
90° Flare



No. 100-CF
90° Long Radius Flare



No. 10-CR
90° Reducing Elbow



No. 100-CR
90° Long Radius Reducing Elbow



No. 10-CS
90° Side Outlet



No. 11-C
45° Elbow



No. 12-C
22 1/2° Elbow



No. 13-C
11 1/4° Elbow



No. 20-C
Tee



No. 20-CB
Base Tee



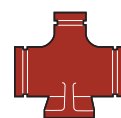
No. 20-CS
Tee Side Outlet



No. 21-C
Bullhead Tee



No. 25-C
Reducing Tee



No. 25-CB
Reducing Base Tee



Certifications/Listings:



[Download publication 10.01](#) for Fire Protection Certifications/Listings

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings

Fittings for Ductile Iron

[Download publication 23.05](#) for complete information

- Supplied with rigid radius grooves in accordance with ANSI/AWWA C-606
- Conform to ANSI 21.10/AWWA C-110 for center-to-end dimensions and AWWA C-153 or ANSI 21.10/AWWA C-110 for wall thicknesses
- Available with a wide variety of coatings and linings
- Victaulic can supply tapped fittings that meet ANSI B16.1 dimensions
- Sizes from 3–36" | DN80–DN900
- Regional availability, contact [Victaulic](#) for details



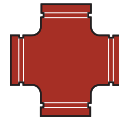
No. 30-C
45° Lateral



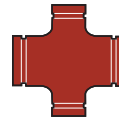
No. 30-CR
45° Reducing Lateral



No. 33-C
True Wye



No. 35-C
Cross



No. 35-CR
Reducing Cross



No. 43-CF
Straight Flare



No. 50-C
Concentric Reducer



No. 51-C
Eccentric Reducer



No. 60-C
Cap

Ductile Iron System



Check Valve for Ductile Iron

SERIES 317

[Download publication 23.09](#) for complete information

- Conforms to AWWA C-508 requirements for water and wastewater treatment services
- Sizes from 3–12" | DN80–DN300
- Pressures up to 175 psi | 1207 kPa | 12 bar
- Regional availability, contact [Victaulic](#) for details



Vic-Plug Valve for Ductile Iron

SERIES 365

[Download publication 23.06](#) for complete information

- Conforms to AWWA C-509 requirements for end-to-end dimensions
- Round port provides better flow and allows easier passage of cleaning pigs
- Sizes from 3–12" | DN80–DN300
- Pressures up to 175 psi | 1207 kPa | 12 bar
- Regional availability, contact [Victaulic](#) for details






High Performance System for Steam and Chemical Services

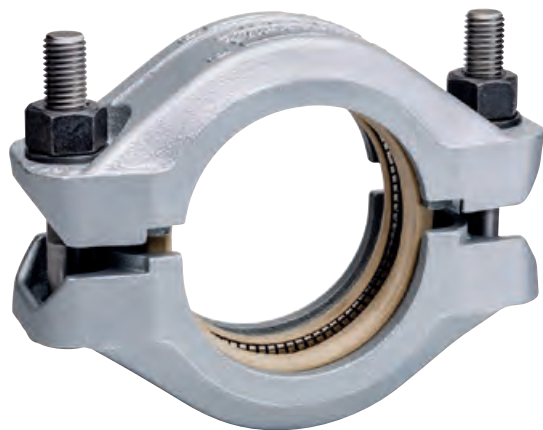
Victaulic has expanded its product line to include the industry's first grooved mechanical piping solution designed for use on commercial and industrial steam, condensate and chemical service piping. Available in sizes 2–8" | DN50–DN200, the system includes the Style 870 rigid coupling, the Series 871 gate valve, the Series 159 flexible loop, a full line of fittings, in-place roll grooving tools, and pipe preparation tool roll sets that eliminate the need to weld steam systems up to 200 psi | 1379 kPa | 14 bar.

For more information on Victaulic® OGS-200 roll groove specifications, [download publication 25.12](#).



To learn more visit victaulicsteam.com

Coupling	page	Valve	page
 High Performance Rigid Coupling for Steam and Chemical Services (Style 870)	89	 Gate Valve (Series 871)	90
Fittings	page	Flexible Loop	page
 OGS-200 Grooved End Fittings	90	 Flexible Loop (Series 159)	90
		Pipe Preparation Tools	page
		 OGS-200 Field Portable Roll Grooving Tools (RG1200)	121



High Performance Rigid Coupling for Steam and Chemical Services STYLE 870

[Download publication 100.02](#) for complete information

- Excellent chemical resistance
- Exclusively for use on pipe which features ends formed with Victaulic's proprietary OGS-200 groove profile
- Sizes from 2–8" | DN50–DN200
- Saturated steam: Pressures up to 200 psi | 1379 kPa | 14 bar
- Nonsteam: Full vacuum up to 740 psi | 5102 kPa | 51 bar
- -20°F to +388°F | -29°C to +198°C
- Regional availability, contact [Victaulic](#) for details



OGS-200 Grooved End Fittings

[Download publication 100.01](#) for complete information

- 90° and 45° elbows, tees and reducing tees, caps, reducers and flange adapter nipples available
- Exclusively for use on pipe which features ends formed with Victaulic's proprietary OGS-200 groove profile
- Sizes from 2–8" | DN50–DN200
- Pressure ratings are equivalent to the Victaulic coupling used to install them
- Regional availability, contact [Victaulic](#) for details



Gate Valve

SERIES 871

[Download publication 100.12](#) for complete information

- Bi-directional shut off service
- Meets API 600 and API 598 requirements
- Exclusively for use on pipe which features ends formed with Victaulic's proprietary OGS-200 groove profile
- Sizes from 2–8" | DN50–DN200
- Saturated steam and nonsteam: Pressures up to 200 psi | 1379 kPa | 14 bar
- +32°F to +388°F | 0°C to +198°C
- Regional availability, contact [Victaulic](#) for details



Flexible Loop

SERIES 159

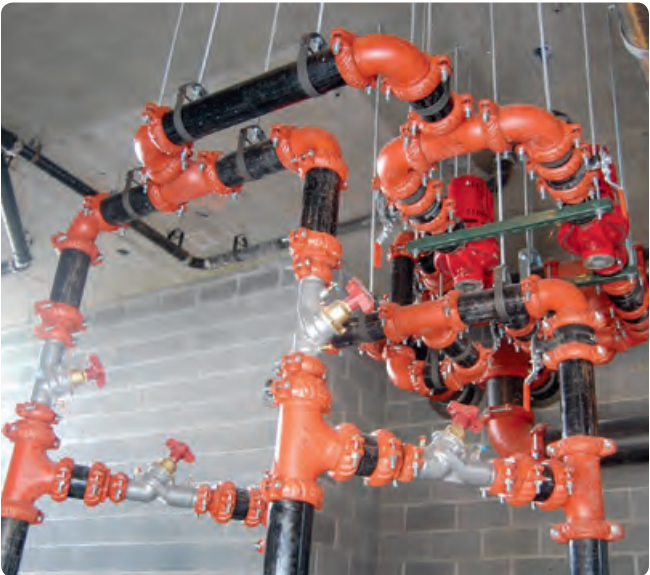
[Download publication 100.13](#) for complete information











- Accommodates piping movement from thermal changes, seismic activity, and differential building settlement
- Exclusively for use on pipe which features ends formed with Victaulic's proprietary OGS-200 groove profile
- Sizes from 2–8" | DN50–DN200
- Saturated steam and nonsteam: Pressures up to 150 psi | 1034 kPa | 10 bar
- +32°F to +366°F | 0°C to +186°C
- Regional availability, contact [Victaulic](#) for details

Hydronic Balancing Solutions

Victaulic provides balancing products that allow contractors to improve productivity on the job site and engineers to accurately control building temperatures while optimizing energy efficiency. Balancing valves enhance comfort and cut energy costs through precise control of building temperature. Victaulic® KOIL-KIT™ Coil Packs provide a coil solution delivered to the job site as a pre-connected unit for faster and easier installation.

[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



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 ICSS Low Lead Balancing Valve (TA Series 76X)	96	 Compact Pressure Independent Balancing and Control Valve (TA Series 7CP)	98
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Differential Pressure Controllers

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(Series 385)

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Hydronic Balancing Solutions



Manual Balancing Valves

½–2" | DN15–DN50

[Download publication 08.16](#) for complete information

- “Y” patterned globe valve
- Digital hand wheel with 4 turns to open, and includes memory stop
- Pressures up to 400 psi | 2758 kPa | 28 bar
- Rated from -4°F to +250°F | -20°C to +120°C
- Regional availability, contact [Victaulic](#) for details



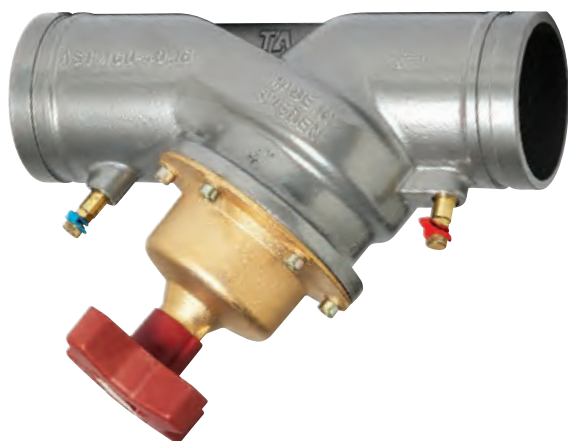
TA Series 786
Solder End



TA Series 787H
Female Threaded End



Series 78KH
Union Inlet



Manual Balancing Valves

2½–16" | 73.0mm–DN400

[Download publication 08.16](#) for complete information

- “Y” patterned globe valve
- Digital hand wheel with 8, 12, or 16 turns to open (depending on size), and includes memory stop
- Pressures up to 350 psi | 2413 kPa | 24 bar
- Rated from -4°F to +250°F | -20°C to +120°C
- Regional availability, contact [Victaulic](#) for details



TA Series 788
Class 150 Flanged End
2½–16" | 73.0mm–DN400



TA Series 789
Grooved End
2½–12" | 73.0mm–DN300



Manual Balancing Ball Valve

TA SERIES 78BL

[Download publication 08.50](#) for complete information

- Shut-off, manual throttling and measuring valve with reduced port
- IAPMO Certified in accordance with ANSI/NSF 61 for cold +73°F | +23°C and hot +180°F | +82°C potable water service and ANSI/NSF 372
- Sizes from ½–2" | DN15–DN50
- Pressures up to 400 psi | 2800 kPa | 28 bar
- Rated from -4°F to +250°F | -20°C to +120°C
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



Series 76T
Female x Female



Series 76K
Male x Female

Automatic Balancing Valves

THREADED END

[Download publication 08.34](#) for complete information

- Contains an automatic cartridge with a replaceable orifice plate, specify cartridge type when ordering
- Differential pressure range dependent upon cartridge selected; 43.5 psi | 300 kPa | 3 bar or 87 psi | 600 kPa | 6 bar
- DZR brass body with an EPDM O-Ring and NPT thread
- Sizes from ½–2" | DN15–DN50
- Pressures up to 365 psi | 2517 kPa | 25 bar
- Rated from -4°F to +250°F | -20°C to +120°C
- Regional availability, contact [Victaulic](#) for details

Hydronic Balancing Solutions



Automatic Balancing Valve with Ball Valve Kit

THREADED END

[Download publication 08.34](#) for complete information

- Contains an automatic cartridge with a replaceable orifice plate, specify cartridge type when ordering
- Differential pressure range dependent upon cartridge selected; 43.5 psi | 300 kPa | 3 bar or 87 psi | 600 kPa | 6 bar
- DZR brass body with an EPDM O-Ring and NPT thread
- Sizes from ½–2" | DN15–DN50
- Pressures up to 365 psi | 2517 kPa | 25 bar
- Rated from -4°F to +250°F | -20°C to +120°C
- Regional availability, contact [Victaulic](#) for details



Series 76B
Female Threaded End



Series 76V
Union Inlet



Automatic Balancing Valve

SERIES 76G (GROOVED END)

[Download publication 08.34](#) for complete information

- Integrated orifice plate for direct flow measurement
- Grooved body connection for easy maintenance
- Differential pressure range
1.9–87 psi | 13–600 kPa | 0.15–6 bar
- Size from 2½–6" | 73.0 mm–DN150
- Pressures up to 365 psi | 2517 kPa | 25 bar
- Rated from -4°F to +230°F | -20°C to +110°C
- Regional availability, contact [Victaulic](#) for details



ICSS Low Lead Balancing Valve

TA SERIES 76X

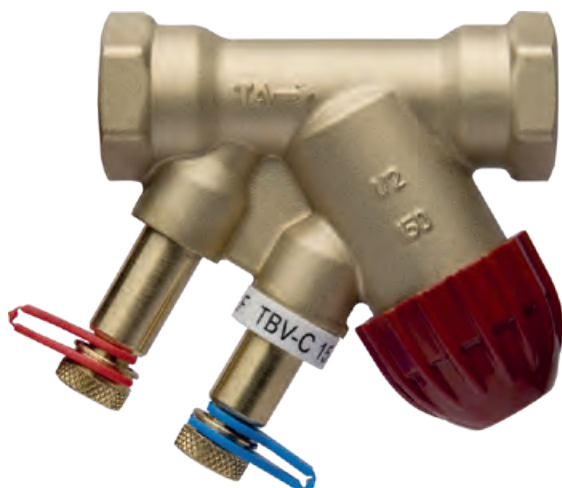
[Download publication 08.51](#) for complete information

- Differential pressure options
2–32 psi | 13.78–220.6 kPa | .15–2 bar and
5–60 psi | 34–414 kPa | 3–4 bar
- Sizes from ½–¾" | DN15–DN20
- Pressures up to 400 psi | 2758 kPa | 28 bar
- Regional availability, contact [Victaulic](#) for details

Certifications/Listings:



[Download publication 02.06](#) for ANSI/NSF Potable Water Approvals/Listings



Terminal Balancing and Control Valve—Female x Female

TA SERIES TC

[Download publication 08.38](#) for complete information

- Designed for on/off control
- Ensures accurate hydronic control and optimum throughput over a long lifetime
- Sizes from ½–1" | DN15–DN25
- Pressures up to 230 psi | 1586 kPa | 16 bar
- Rated from -4°F to +250°F | -20°C to +120°C
- Regional availability, contact [Victaulic](#) for details



Terminal Balancing Valve for Modulating Control—Female x Female

TA SERIES TCM

[Download publication 08.38](#) for complete information

- Designed for modulating control or on/off
- Ensures accurate hydronic control and optimum throughput over a long lifetime
- Sizes from ½–1" | DN15–DN25
- Pressures up to 230 psi | 1586 kPa | 16 bar
- Rated from -4°F to +250°F | -20°C to +120°C
- Regional availability, contact [Victaulic](#) for details

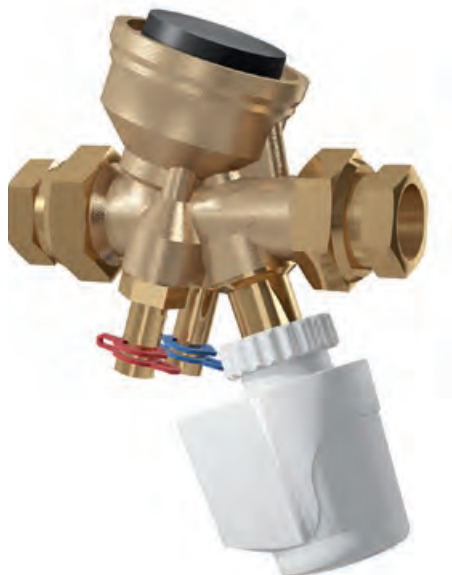


Pressure Independent Balancing and Control Valve (PIBCV)

TA SERIES 7FP

[Download publication 08.53](#) for complete information

- Measures flow, differential pressure, temperature and pump head
- EQM characteristics (Equal Percentage Modified)
- 1¼–2" | DN32–DN50: Female NPT Threads; Pressures up to 230 psi | 1586 kPa | 16 bar
- 2½–6" | 73.0 mm–DN150: ANSI Class 150 Flange; Pressures up to 365 psi | 2517 kPa | 25 bar
- Rated from -4°F to +250°F | -20°C to +120°C
- Regional availability, contact [Victaulic](#) for details



Compact Pressure Independent Balancing and Control Valve

TA SERIES 7CP

[Download publication 08.37](#) for complete information

- Lower pump head/energy consumption
- Sizes from ½–1¼" | DN15–DN32
- Pressures up to 230 psi | 1586 kPa | 16 bar
- Rated from +32°F to +194°F | +0°C to +90°C
- Regional availability, contact [Victaulic](#) for details



Pressure Independent Balancing and Modulating Control Valve

TA SERIES 7MP

[Download publication 08.55](#) for complete information

- EQM flow characteristics provide highly precise temperature control
- Sizes from ½–3" | DN15–DN80
- Pressures up to 365 psi | 2517 kPa | 25 bar
- Rated from +32°F to +194°F | +0°C to +90°C
- Regional availability, contact [Victaulic](#) for details



Control Valve with Return Temperature Controller

TA SERIES 7CT

[Download publication 08.36](#) for complete information

- Lower pump head/energy consumption
- Sizes from ½–1" | DN15–DN25
- Pressures up to 230 psi | 1586 kPa | 16 bar
- Rated from +14°F to +122°F | -10°C to +50°C
- Regional availability, contact [Victaulic](#) for details

Hydronic Balancing Solutions



Differential Pressure Controller— Female Threaded End

TA SERIES 793

[Download publication 08.29](#) for complete information

- Features AMETAL® body providing dielectric protection
- Sizes from ½–2" | DN15–DN50
- Capable of stabilizing differential pressures up to 23.3 psi | 160 kPa | 1.6 bar
- Regional availability, contact [Victaulic](#) for details



Differential Pressure Controller— Flanged End

TA SERIES 794

[Download publication 08.29](#) for complete information

- Features a ductile iron body
- Sizes from 2½–4" | 73.0mm–DN100
- Capable of stabilizing differential pressures up to 23.3 psi | 160 kPa | 1.6 bar
- Regional availability, contact [Victaulic](#) for details

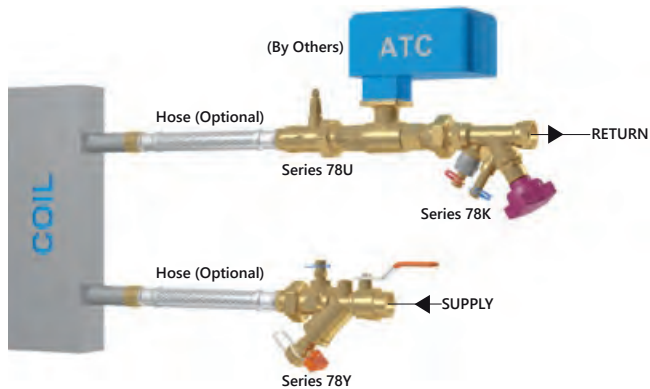


Differential Pressure Controller— Flanged End

TA Series 7PR

[Download publication 08.46](#) for complete information

- Features a ductile iron valve body and a non-ferrous AMETAL® DZR brass copper alloy pilot body
- Sizes from 2½–8" | 73.0mm–DN200
- Capable of stabilizing differential pressures up to 116 psi | 800 kPa | 8 bar
- Rated from -4°F to +250°F | -20°C to +120°C
- Regional availability, contact [Victaulic](#) for details

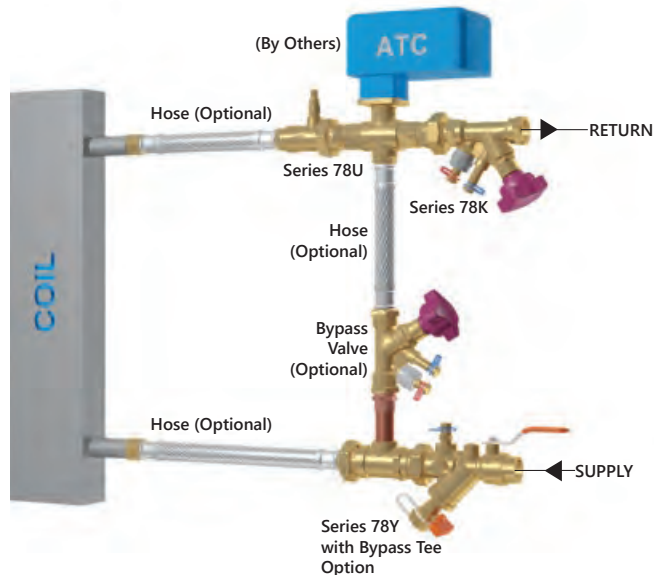


Standard KOIL-KIT™ Coil Pack

SERIES 799

[Download publication 08.30](#) for complete information

- The Series 799 consists of the following components: a Series 78Y Y-strainer/ball valve or Series 78T ball valve union combination; a Series 78U union port fitting; and a Series 78K, Series 786 (sweat) or Series 78BL balancing valve; with or without hoses; and with or without PT and handle extensions
- Suitable for a variety of hot and cold water applications including treated and untreated water systems
- Sizes from $\frac{1}{2}$ –2" | DN15–DN50
- Regional availability, contact [Victaulic](#) for details



KOIL-KIT™ Coil Pack with ATC and Bypass Options

SERIES 79B and SERIES 79A

[Download publication 08.30](#) for complete information

- The Series 79B consists of the following components: Series 78Y Y-strainer/ball valve or Series 78T ball valve union combination, two coil hoses, a Series 78U union port fitting, and a balancing valve as well as various options for bypass valves
- The Series 79A includes option to have the ATC valve of your choice assembled and shipped with the Victaulic® KOIL-KIT™ coil pack
- Sizes from $\frac{1}{2}$ –2" | DN15–DN50
- Regional availability, contact [Victaulic](#) for details

Hydronic Balancing Solutions



KOIL-KIT™ Coil Pack for Air Handling Units

SERIES 79C and SERIES 79D

[Download publication 08.35](#) for complete information

- The Series 79C consists of the following components: Series 732 strainer with a blow down drain valve and a balancing valve
- The Series 79D includes the option of adding a Style 925 drain/air vent assembly included with the Victaulic® KOIL-KIT™ coil pack
- The Style 925 is provided with a Style 107 QuickVic™ rigid coupling which is used for connecting the Style 925 to the balancing valve
- Sizes from 2½–6" | 73.0mm–DN300
- Regional availability, contact [Victaulic](#) for details



KOIL-KIT™ Coil Hose

[Download publication 08.30](#) for complete information

- Stainless steel braided hose and an EPDM polymer core with stainless ferrules; available as male by female swivel and male by male swivel
- Available lengths:
12" | 300 mm; 24" | 610 mm; 36" | 914 mm
- Sizes from ½–2" | DN15–DN50
- 375 psi | 2585 kPa | 26 bar maximum CWP (varies by size)
- Suitable for operating temperatures up to +230°F | +110°C
- Regional availability, contact [Victaulic](#) for details



KOIL-KIT™ Y-Strainer/Ball Valve Combination

SERIES 78Y

[Download publication 08.30](#) for complete information

- DZR brass body consisting of a full port valve, strainer and blow down valve with flow measuring ports
- Multiple end connections available
- Sizes from ½–2" | DN15–DN50
- Pressures up to 400 psi | 2758 kPa | 28 bar
- Rated up to +230°F | +110°C
- Regional availability, contact [Victaulic](#) for details



KOIL-KIT™ Ball Valve/Union Combination

SERIES 78T

[Download publication 08.30](#) for complete information

- DZR brass body consisting of a union and blow down valve with flow measuring ports
- Multiple end connections available
- Sizes from ½–2" | DN15–DN50
- Pressures up to 400 psi | 2758 kPa | 28 bar
- Rated up to +230°F | +110°C
- Regional availability, contact [Victaulic](#) for details



KOIL-KIT™ Union Port Fitting

SERIES 78U

[Download publication 08.30](#) for complete information

- Multiple end connections available
- Sizes from ½–2" | DN15–DN50
- Pressures up to 400 psi | 2758 kPa | 28 bar
- Rated up to +230°F | +110°C
- Regional availability, contact [Victaulic](#) for details

