

Potable Water Approvals

ANSI/NSF



02.06

1.0 APPROVALS/LISTINGS

The information provided within this document is based on the latest approval and listing data at the time of publication. Approvals/Listings are subject to change by the approvals agencies. Contact Victaulic or the corresponding agency for the latest approvals and listings.

2.0 GASKETS/SEALS/O-RINGS

The following Victaulic Gaskets/Seals/O-Rings are agency tested and approved for use in potable water systems. Reference should always be made to the approval agency, the approval, any exceptions listed below, and in the case of ANSI/NSF 61, please also refer to the potable water operating temperature rating.

| Victaulic Gasket/Seal | ANSI/NSF 61 | | ANSI/NSF 372 |
|---|---------------|--|---------------|
| | Agency | Operating Temperature Rating | Agency |
| Grade E | UL Classified | cold +73°F/+23°C and hot +180°F/+82°C | UL Classified |
| Grade EW | | cold +73°F/+23°C and hot +180°F/+82°C | |
| Grade EHP | | cold +73°F/+23°C and hot +180°F/+82°C | |
| Grade E2 | | cold +73°F/+23°C and hot +180°F/+82°C | |
| Grade EPW | | cold +73°F/+23°C | |
| Grade CHP (For Series 608N Only) | | cold +86°F/+30°C and hot +180°F/+82°C | |
| Grade M | | cold +86°F/+30°C | |
| Grade E (For Vic-Press Sch 10S Only) | | cold +73°F/+23°C and hot +180°F/+82°C | |
| Grade H (For Vic-Press Sch 10S Only) | | cold +73°F/+23°C and hot +180°F/+82°C | |

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

| | | | |
|--------------|--|----------|--|
| System No. | | Location | |
| Submitted By | | Date | |

| | | | |
|--------------|--|-----------|--|
| Spec Section | | Paragraph | |
| Approved | | Date | |



3.0 MECHANICAL COUPLINGS

Potable water approvals are based on testing of a product's wetted components. In the case of most Victaulic mechanical couplings, the gasket/seal/o-ring is the only wetted component, therefore the use of a coupling in potable water applications is strictly dependent upon the potable water and low lead approval of the gasket/seal/o-ring. Reference the chart below for potable water ANSI/NSF 61 and ANSI/NSF372 compliant gaskets/seals/o-rings.

Victaulic's Bolted Split Sleeve Couplings are an exception to this rule. These products are designed with additional wetted surfaces and therefore must carry their own individual approvals. The following Victaulic Bolted Split Sleeve Couplings are agency tested and approved for use in potable water systems. Always refer to the certifying agency for approved temperature ratings and any specific model details.

| Victaulic Mechanical Couplings | ANSI/NSF 61 | | ANSI/NSF 372 |
|---|---------------|--|---------------|
| | Agency | Operating Temperature Rating | Agency |
| BOLTED SPLIT SLEEVE COUPLINGS | | | |
| Style 230 Non-Restrained Flexible Coupling | NSF Certified | cold +73°F/+23°C | NSF Certified |
| Style 232 Restrained Flexible Coupling | | | |
| Style 233 Restrained Flexible Coupling for Dynamic Joint Deflection | | | |
| OUTLET COUPLING | | | |
| Style 72 Coupling (with Grade “E” EPDM gasket only) | UL Classified | cold +86°F/+30°C and hot +180°F/+82°C | UL Classified |

4.0 FITTINGS

The following Victaulic Fittings are agency tested and approved for use in potable water systems. Reference should always be made to the approval agency, the approval, any approval specifics listed below, the gasket/seal/o-ring if applicable, and in the case of ANSI/NSF 61, please also refer to the potable water operating temperature rating.

Potable water approvals are based on testing of a product's wetted components. In the case of mechanical tees, the gasket/seal/o-ring and the body material are wetted components, therefore the use of a mechanical tee in potable water applications is strictly dependent upon the potable water and low lead approval of the gasket/seal/o-ring and the body material combined. The chart below is the complete product assembly approval and includes the operating temperature rating that corresponds to ANSI/NSF 61 for the product listed.

| Victaulic Fittings | ANSI/NSF 61 | | | | ANSI/NSF 372 |
|--|---|--|---------------|--|---------------|
| | Approval Specifics (if applicable) | Gasket/Seal/O-Rings (if applicable) | Agency | Operating Temperature Rating | Agency |
| COPPER | | | | | |
| Installation-Ready™ Fittings for Grooved Copper | | Grade EHP Only | UL Classified | cold +73°F/+23°C and hot +180°F/+82°C | UL Classified |
| Grooved Copper Fittings (Wrot and/or Cast) | | | NSF Certified | cold +86°F/+30°C and hot +180°F/+82°C | NSF Certified |
| Style 622 Mechanical-T® Bolted Branch Outlet and Cross Assembly for Grooved Copper | Body Material C89836 | Grade E Only | UL Classified | cold +73°F/+23°C and hot +180°F/+82°C | UL Classified |
| Style 647 Dielectric Fitting | | | | | |
| STAINLESS STEEL | | | | | |
| Stainless Steel Fittings | Sch 5S, 10S and Sch 40S Only | | NSF Certified | cold +86°F/+30°C and hot +180°F/+82°C | NSF Certified |
| Vic-Press® Stainless Steel Fittings | Sch 10 Only | Grade E Only | UL Classified | cold +73°F/+23°C and hot +180°F/+82°C | UL Classified |
| | | Grade H Only | | | |
| Style 422 Mechanical-T® Bolted Branch Outlet for Stainless Steel | | Grade E Only | NSF Certified | | |
| GALVANIZED | | | | | |
| Standard Grooved Fittings ¹ | Galvanized Only | | UL Classified | cold +86°F/+30°C | UL Classified |
| Style 920/920N Mechanical-T® Bolted Branch Outlet | | Grade E Only | | cold +73°F/+23°C | |
| AQUAMINE® | | | | | |
| Aquamine Pipe and Fittings | | | NSF Certified | cold +73°F/+23°C | NSF Certified |
| DUCTILE IRON | | | | | |
| AWWA Fittings | Cement lined with a standard asphalt coating | | NSF Certified | cold +73°F/+23°C | |

¹ No. 10 90° Elbow, No. 11 45° Elbow, No. 12 22 ½° Elbow, No. 13 11 ¼° Elbow, No. 100 90° Long Radius Elbow, No. 110 45° Long Radius Elbow, No. 20 Tee, No. 25 Tee with Grooved Branch, No. 30 45° Lateral, No. 60 Cap, No. 50 Concentric Reducer, No. 51 Eccentric Reducer.

5.0 VALVES/FLOW CONTROL DEVICES

The following Victaulic Valves are agency tested and approved for use in potable water systems. Reference should always be made to the approval agency, the approval, any exceptions listed below, the gasket/seal/o-ring if applicable, and in the case of ANSI/NSF 61, please also refer to the potable water operating temperature rating.

Potable water approvals are based on testing of a product's wetted components. In the case of valves/flow control devices, the gasket/seal/o-ring and the body material are wetted components, therefore the use of a valve/flow control device in potable water applications is strictly dependent upon the potable water and low lead approval of the gasket/ seal/o-ring and the body material combined. The chart below is the complete product assembly approval and includes the operating temperature rating that corresponds to ANSI/NSF 61 for the product listed.

| Victaulic Valves/Flow Control Devices | ANSI/NSF 61 | | | | ANSI/NSF 372 |
|---|---|-------------------------------------|---------------|---------------------------------------|---------------|
| | Approval Specifics (if applicable) | Gasket/Seal/O-Rings (if applicable) | Agency | Operating Temperature Rating | Agency |
| COPPER | | | | | |
| Series 608N Butterfly Valve | | Grade CHP Only | UL Classified | cold +86°F/+30°C and hot +180°F/+82°C | UL Classified |
| CARBON STEEL | | | | | |
| Series 761 VIC®-300 MasterSeal™ Butterfly Valve | | Grade E Only | UL Classified | cold +73°F/+23°C | UL Classified |
| Series 7A2 Butterfly Valve | | Grade E Only | NSF Certified | | NSF Certified |
| Series 7B2 Butterfly Valve | | Grade E Only | | | |
| STAINLESS STEEL | | | | | |
| Series 415 Check Valve | High flow, high velocity applications only ² | | UL Classified | cold +73°F/+23°C | UL Classified |
| Series 465 Plug Valve | | | | | |
| Series 466 Plug Valve | | | | cold +73°F/+23°C and hot +180°F/+82°C | |
| Series P569 Vic-Press® Stainless Steel Ball Valve | | | NSF Certified | cold +73°F/+23°C and hot +180°F/+82°C | NSF Certified |
| Series 76X - ICSS Low Lead Balancing Valve | | | | | |
| Series 461 VIC®-300 MasterSeal™ Stainless Steel Butterfly Valve | | Grade E Only | | | |

² Reference ANSI/NSF 61 - 2012, sec. 3.3.2.

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at www.victaulic.com.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

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