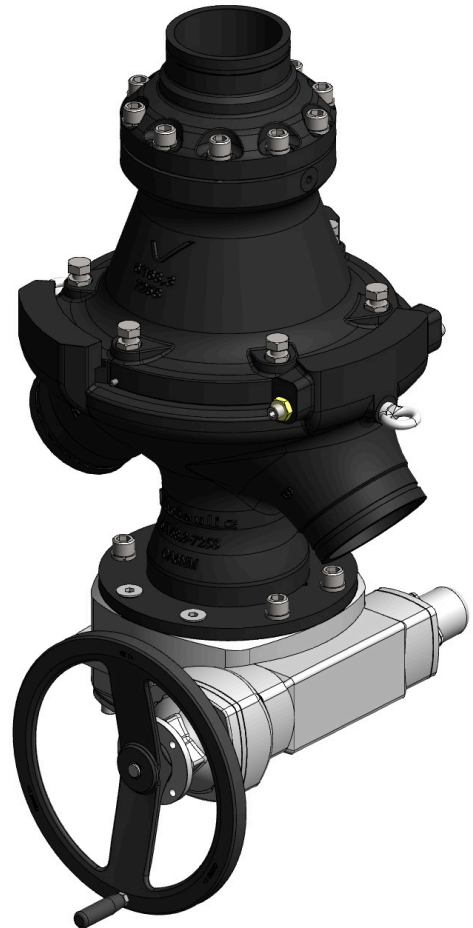


Series 725S Diverter Valve



⚠ WARNING



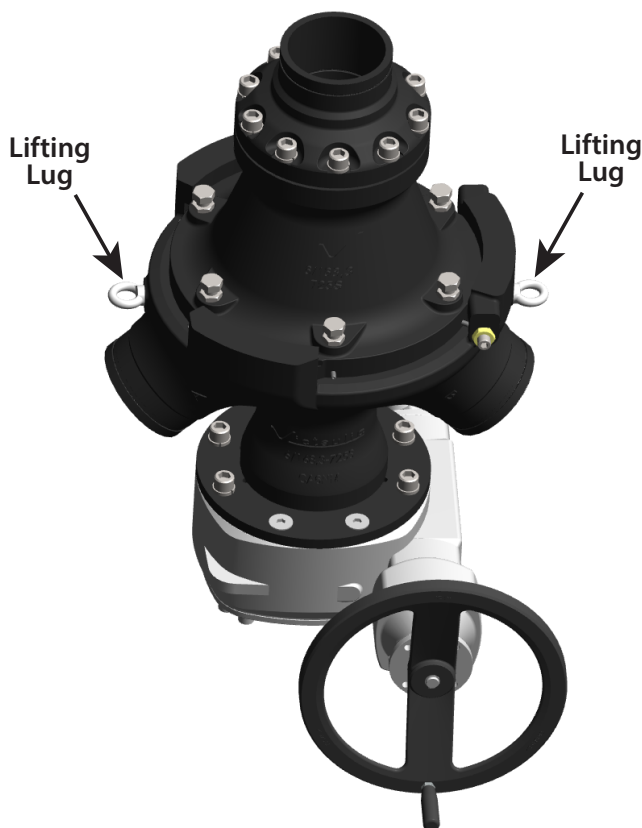
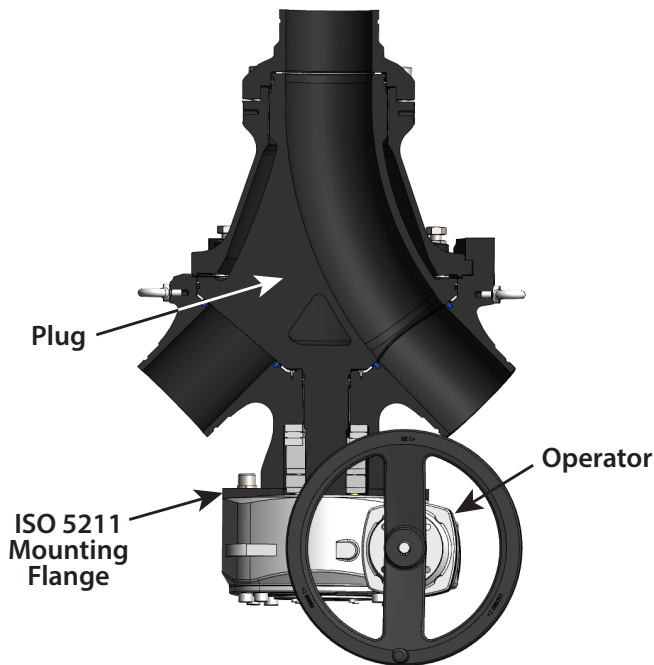
- Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Wear safety glasses, hardhat, foot protection, and hearing protection.

Failure to follow instructions and warnings could cause system failure, resulting in death or serious personal injury and property damage.

SERIES 725S DIVERTER VALVE COMPONENTS

NOTICE

- Drawings and/or pictures in this manual may be exaggerated for clarity.
- The product, along with these installation and maintenance instructions, contains trademarks, copyrights, and/or patented features that are the exclusive property of Victaulic.



INSTALLATION INFORMATION

Series 725S Diverter Valves are available with four different types of pipe preparation, for use with several types of Victaulic products.

- Roll grooved pipe ends, for use with Victaulic OGS couplings
- Cut grooved pipe ends, for use with Victaulic EndSeal™ couplings
- Double grooved pipe ends, for use with Victaulic Style 808 couplings
- Pipe prepared with rings, for use with Victaulic Style 809 couplings

To prevent rotation in the system, Victaulic recommends installing the valve with at least one Victaulic rigid coupling. If three Victaulic flexible couplings are used, additional support may be required to prevent the valve from rotating. Refer to the instructions supplied with the couplings for proper installation.

- Series 725S Diverter Valves can be installed in horizontal or vertical positions, or in any intermediate position that allows for access to the actuator or gear operator.
- Series 725S Diverter Valves and connecting piping must be supported to prevent the joints from being subjected to bending loads, shear loads, or any other external loads.

- Using both lifting lugs, support the valve to ensure balanced loading. In addition, a cradle or cribbing can be used to provide increased support.
- **WELDING TO SERIES 725S DIVERTER VALVES AND COUPLINGS IS NOT PERMITTED.**

ELECTRIC OR PNEUMATIC ACTUATOR SETUP

Always refer to the electric or pneumatic actuator manufacturer's manual for complete setup and operating requirements.

Pneumatic cylinders are designed to be operated within 80–100 psi/ 6–7 Bar and 60 liters/second air consumption. Contact Victaulic if your system air pressure is less than 80 psi/6 Bar. Additional information will be required to determine appropriate specifications for your system.

VALVE OPERATION

⚠ WARNING

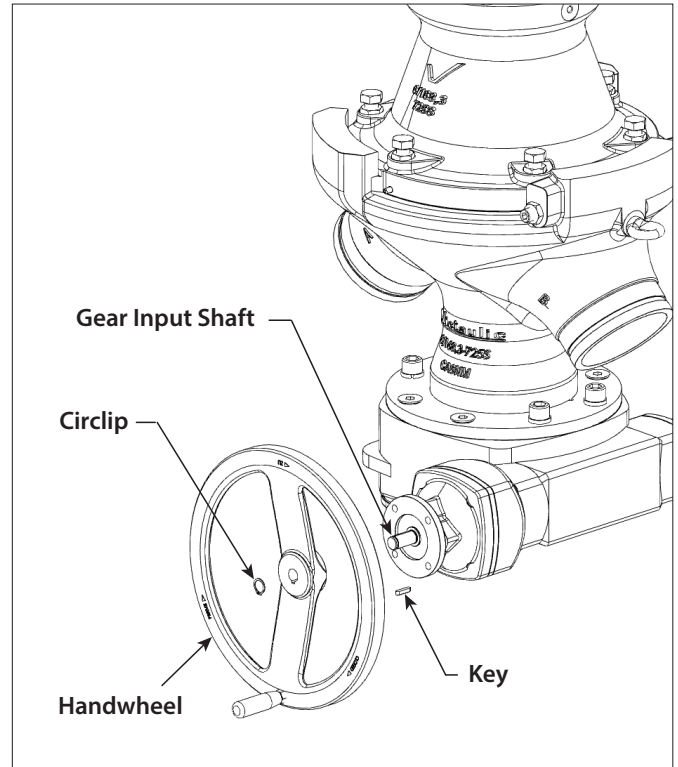
- **DO NOT** actuate or operate the valve with media in the system, or while the valve is pressurized. To prevent permanent damage to internal valve components, the system must be depressurized, flushed, and free of backfill before attempting to index the valve.

Failure to follow these instructions could cause valve damage and joint failure, resulting in serious personal injury and property damage.

SWITCHING FROM PORT A TO PORT B (OR VICE VERSA)

1. Shut down backfill pump/gravity feed system.
2. Flush piping system with clean water to prevent build up on pipes or clogging of system.
3. Once flushing is complete, operate the valve from Port A to Port B. Reference the table below for required rimpull, torque, or air system requirements.
4. Flush the piping system again to ensure that there are no clogs in the piping system.
5. Resume backfill operation.

ASSEMBLY OF THE HANDWHEEL



1. Place the key onto the gear input shaft.
2. Install the handwheel over the gear input shaft.
3. Attach circlip in front of the handwheel, onto the gear input shaft.

SERIES 725S HELPFUL INFORMATION

Size		Approximate Number of Handwheel Rotations for Standard Operation	Maximum Torque Required ft-lbs N•m	Rim Pull Effort lb N
Nominal Size inches DN	Actual Outside Diameter inches mm			
4 DN100	4.500 114.3	104	5,900 8,000	70 311
6 DN150	6.625 168.3	221	10,326 14,000	80 356
8 DN200	8.625 219.1	217	11,801 16,000	80 356

Series 725S Diverter Valve

For complete contact information, visit victaulic.com

I-725S 11665 REV A UPDATED 06/2018 Z000725S00

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