INSTALLATION & OPERATION MANUAL FOR SVF SERIES MZ9 BALL VALVES

GENERAL

SVF Ball valves have been designed and engineered to provide long lasting and trouble free service when used in accordance with the instructions and specifications herein.

The following instructions refer only to SVF Series MZ9 Ball Valves.

Keep protective cover in place until moment of installation. Valve performance depends upon preventing of damage to ball surface. Upon removal of cover, make sure that the valve is free of dirt, debris and obstructions.

STORAGE:

All manual valves are shipped in the fully open position with protective end caps (covers). Keep all protective packaging, flange covers, or end caps attached to the valves during storage. To avoid damage to the seat due to contact with the balls edge, leave the valve in the fully open or closed position during storage. It is recommended to keep the valves in a clean and dry environment until ready for use.

!!!CAUTION! Safety Precautions!!!

Before removing valve from pipeline NOTE that:

Media flowing through a valve may be corrosive, toxic, flammable, a contaminant or harmful in nature. Where there is evidence of harmful fluids having flowed through the valve, the utmost care must be taken. It is suggested that the following minimal safety precautions be taken when handling valves.

1. Always wear eye shields.
2. Always wear gloves and overalls.
3. Wear protective footwear.
4. Wear protective headgear.
5. Ensure that running water is readily accessible.
6. Have a suitable fire extinguisher ready if media is flammable.
7. Be sure that you are aware of the fluid that has been passing through the valve before opening or dismantling any valve. Require MSDS information.

Ensure that no pressure is present at the valve (i.e., by checking line gauges).
Ensure that any media is released by operating valve slowly to the 45 degree position. Ideally, the valve should be decontaminated when the ball is in the 45 degree position.

Valves and accessories must not be used as a sole support of piping or human weight. Safety accessories such as safety relief (overpressure) valves are the responsibility of the system designer.

It is the user/system designer's responsibility to use insulation in high temperature applications. Refer to OSHA documents for more details.

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INSTALLATION

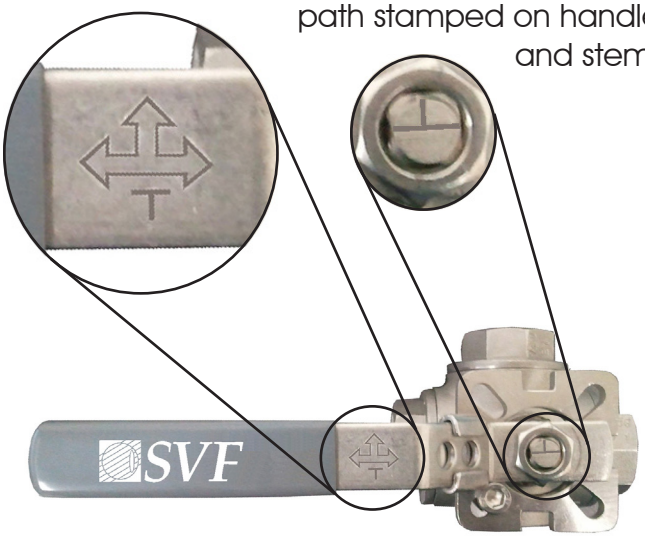
The valve may be installed for flow or vacuum in any direction. When installing, use standard industry methods suitable for the specific service. Do not allow pipe sealant to enter the valve cavity.

OPERATION

SVF valves provide tight shut off when used under normal conditions and in accordance with SVF's published pressure/temperature chart. If these valves are used in a partially open (throttled) position, seat life may be reduced.

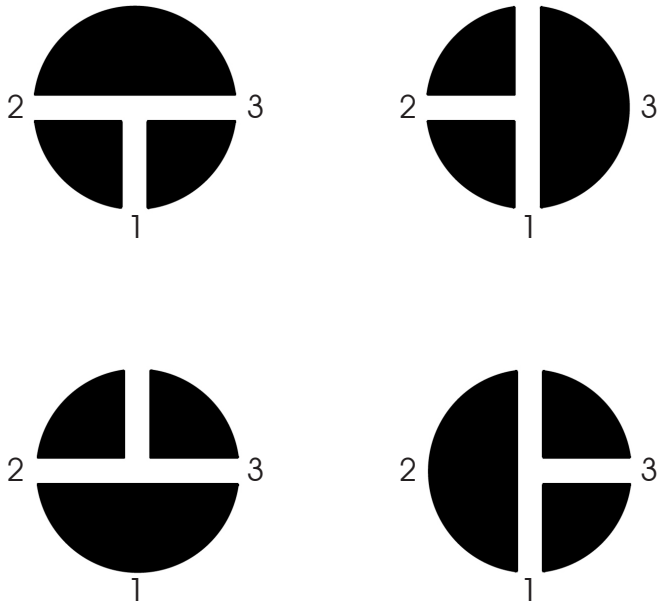
SVF MZ9 three-way ball valves are classified as either an "L" Port or "T" Port flow path. "L" Port flow consists of two flow ports shaped as the "L" letter. "T" Port flow consists of three flow ports shaped as the "T" letter. These ball valves operate on a 360° basis. The flow direction indicator is stamped on the handle and the top of the stem.

Examples of "T" Port flow path stamped on handle and stem.



Any media which might solidify, crystallize or polymerize should not be allowed to stand in the ball valve cavities unless regular maintenance is provided.

T-PORT FLOW PATHS:



L-PORT FLOW PATHS: