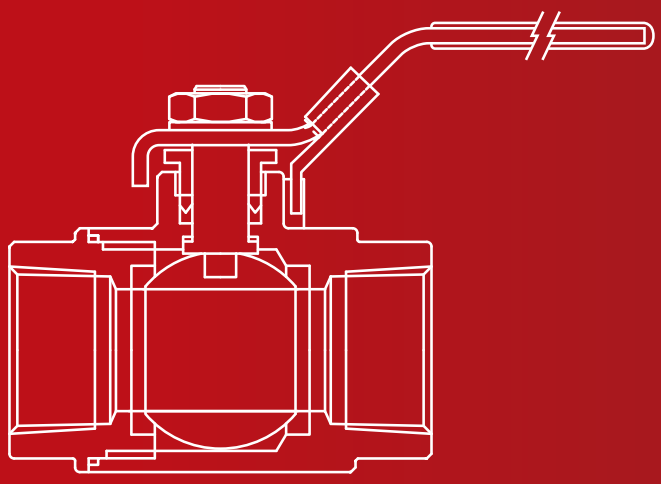
INSTALLATION, OPERATION, & MAINTENANCE GUIDE

CARBON STEEL & STAINLESS STEEL BALL VALVES

2 Piece, Threaded Connection



MODELS

T-CS-1001N-SS

T-CS-2000N-SS

T-SS-1001N

T-SS-2000N

IMPORTANT

For safe and proper operation, please read the enclosed installation, operation, and maintenance instructions prior to using any Jomar Valve product. Save this document for reference.

Only qualified personnel should undertake the procedures outlined in this document. Jomar Valve, its agents, representatives, and employees assume no liability for the use of these procedures. These procedures are offered as suggestions only.

Note that failure to follow the enclosed instructions may damage the product and/or void any applicable warranties.

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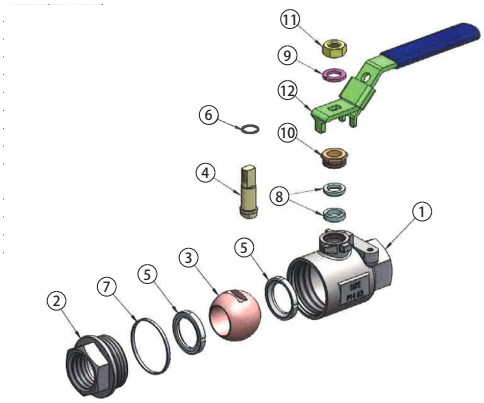
Carbon Steel & Stainless Steel Ball Valves

2 Piece, Threaded Connection, Stainless Steel Trim, 1000 WOG & 2000 WOG

Models: T-CS-1001N-SS, T-CS-2000N-SS, T-SS-1001N, T-SS-2000N



INSTALLATION

1. The valve may be installed for flow in either direction, but it is recommended that the threaded valve be installed with the body cap facing upstream. Use standard piping practices when installing valves with threaded parts. When tightening the valve to the pipe, apply the wrench to the end nearest the pipe being worked. Adjust packing prior to installation.
2. When installing the above valves, be sure that the threads on the mating pipe are free from excessive grit, dirt, or burrs.
3. Take care to assure that any pipe sealants used are not so excessively applied to the pipe threads that the valve seats, ball and/or cavity becomes fouled.

OPERATION

1. The valve is suitable for use at temperatures between -20°F and 400°F and shall not be placed into service outside of this temperature range.
2. The valve pressure rating casts on the valve body; user shall make sure the fluid pressure does not exceed valve rated pressure.
3. Any inappropriate operation will cause leakage or other problems; in case of emergency, you must release the fluid inside the pipeline and then follow the procedures.
4. Operating torques shall not exceed the data shown on the Torque table. Otherwise, it may be over-torqued causing the stem to bend and cause failure of the operational structure.

MAINTENANCE

1. Periodically observe the valve to be sure of proper performance. More frequent observation is recommended under extreme operating conditions. Routine maintenance consists of tightening the stem nut quarter-turn periodically to compensate for the wear caused by the stem's turning against the resilient PTFE seal.

DISASSEMBLY IS NOT RECOMMENDED BY JOMAR AND REPAIR PARTS FOR THIS VALVE ARE NOT OFFERED.

MATERIALS

No.	Part
1	Body
2	Body Cap
3	Ball
4	Stem
5	Seat (2)
6	Stem Seal
7	Body Seal
8	Stem Packing
9	Spring Washer
10	Gland
11	Handle Nut
12	Handle

TORQUE

Size	Maximum Operating Torque
1/4"	60
3/8"	60
1/2"	60
3/4"	120
1"	160
1-1/4"	180
1-1/2"	260
2"	350
2-1/2"	420
3"	800

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⚠ WARNING:

For your safety, it is important that the following precautions be taken prior to removal of the valve from the line.

1. Wear any protective clothing or equipment normally required when working with the fluid involved.

2. De-pressurize the line and cycle the valve as follows:
   A. Place the valve in the open position and drain the line.
   B. Cycle the valve to relieve residual pressure in the body cavity before removing the valve from the line.
   C. After removal and before any disassembly, cycle the valve again several times.

3. When installing or removing piping from the valve, place wrench on the body or the body cap nearest the end being worked. Make certain body cap end of valve does not turn out of the valve body. (Body/body cap joint is a right hand thread)

4. This valve is not to be used for unstable gases, H_2SO_4, HF, HCl, and other dangerous fluids. If you have questions regarding the used fluid, please contact Jomar Valve at csr@jomar.com or 586.268.1220.

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