

TRUNION-STYLE BALL VALVE OPERATING AND MAINTENANCE INSTRUCTIONS

1.0 Operation

- 1.1 2-way valves may use either port for the inlet. 3-way ball valves (Series 72, 73, 75, 76, 77, 81, 82) should be installed with flow in through the bottom port, outlet through the side ports.
- 1.2 Hold the seat glands with a wrench when tightening or loosening the tubing connections.
- 1.3 Pressurized media can become trapped inside the valve. This can be relieved by turning the handle to the "half-open" position before disassembling the valve.

3.0 Maintenance

- 3.1 Maintenance consists of replacing the ball seat assemblies to compensate for seat and packing wear.
- 3.2 With no pressure in the valve, use the following procedure.
- 3.3 Ball seat assembly replacement
 - 3.3.1 Both ball seat assemblies should be replaced at the same time to ensure even seal quality.
 - 3.3.2 While securely holding the seat glands and body, loosen the tubing connections.
 - 3.3.3 Hold the body in a vice, and unscrew and remove the seat gland assembly. Note the orientation of all components. Remove the ball seat assembly.
 - 3.3.4 Place the replacement ball seat assembly into the seat gland assembly.

- 3.3.5 Lubricate all threads with an anti-seize lubricant.
- 3.3.6 Assemble the seat gland assemblies into the valve body until hand-tight.
- 3.3.7 Complete assembly of the seat glands evenly using a wrench, using the following torque recommendations:

Valve series	Seat gland torque
-71, -72, -73	50 ft lb
-74, -75, -76	70 ft lb
-80, -81, -82	100 ft lb