Trunion-Style Ball Valve Operating & Maintenance Instructions

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.

Maintenance

2.1 Maintenance consists of replacing the ball seat assemblies to compensate for seat and packing wear.

2.2 With no pressure in the valve, use the following procedure.

2.3 Ball seat assembly replacement

2.3.1 Both ball seat assemblies should be replaced at the same time to ensure even seal quality.

2.3.2 While securely holding the seat glands and body, loosen the tubing connections.

2.3.3 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.

2.3.4 Place the replacement ball seat assembly into the seat gland assembly.

2.3.5 Lubricate all threads with an anti-seize lubricant.

2.3.6 Assemble the seat gland assemblies into the valve body until hand-tight.

2.3.7 Complete assembly of the seat glands evenly using a wrench, using the following torque recommendations:

<table>
<thead>
<tr>
<th>Valve Series</th>
<th>Seat Gland Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>-71, -72, -73</td>
<td>50 ft lb</td>
</tr>
<tr>
<td>-74, -75, -76</td>
<td>70 ft lb</td>
</tr>
<tr>
<td>-80, -81, -82</td>
<td>100 ft lb</td>
</tr>
</tbody>
</table>