89-500 Series
Carbon Steel Ball Valve With Spring Return Handle

Threaded, 1/4” to 1” 2000 psig WOG, 1-1/4” to 2” 1500 psig WOG.
Cold Non-Shock, 150 psig Saturated Steam, Vacuum Service to 29 inches Hg.
MSS SP-110; Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends.

FEATURES

- Spring return to close (-01)
- Spring return to open (-08)
- RPTFE stuffing box ring
- All components of lever are stainless steel
- Nitride corrosion protection
- Operating torque is approximately three times standard valve torque

- Blow-out-proof stem design
- Adjustable packing gland
- Investment cast components
- Multifill seats

STANDARD MATERIAL LIST

1. Handle SS
2. Stem packing Multifill PTFE
3. Stem bearing RPTFE
4. Ball A108-CS chrome plated
5. Seat (2) Multifill PTFE
6. Retainer A108-CS (1/4” to 1”)
7. Gland nut A108-CS
8. Stem A276-316
9. Lever nut Steel, Zinc Plated
10. Body seal PTFE (1-1/4” to 2”)
11. Body A216-WCB

VARIATIONS AVAILABLE:
89-540 Series (316 SS Ball & Stem)

OPTIONS AVAILABLE:

<table>
<thead>
<tr>
<th>SUFFIX</th>
<th>OPTION</th>
<th>SIZES</th>
</tr>
</thead>
<tbody>
<tr>
<td>-08-</td>
<td>90º Reversed Stem</td>
<td>1/4” to 2”</td>
</tr>
<tr>
<td>-14-</td>
<td>Side Vented Ball (Uni-Directional)</td>
<td>1/4” to 2”</td>
</tr>
<tr>
<td>-21-</td>
<td>UHMWPE Seats (Non-PTFE)</td>
<td>1/4” to 2”</td>
</tr>
<tr>
<td>-24-</td>
<td>Graphite Packing</td>
<td>1/4” to 2”</td>
</tr>
<tr>
<td>-35-</td>
<td>VTFE Trim</td>
<td>1/4” to 2”</td>
</tr>
<tr>
<td>-P01-</td>
<td>BSPP (Parallel) Thread Connection</td>
<td>1/4” to 2”</td>
</tr>
<tr>
<td>-T01-</td>
<td>BSPT (Tapered) Thread Connection</td>
<td>1/4” to 2”</td>
</tr>
</tbody>
</table>

NUMBERS | SIZE | A   | B   | C   | D   | Wt. |
--------|------|-----|-----|-----|-----|-----|
89-501-01 | 1/4” | .37 | 1.03| 2.06| 7.00| 1.26|
89-502-01 | 3/8” | .37 | 1.03| 2.06| 7.00| 1.25|
89-503-01 | 1/2” | .50 | 1.12| 2.25| 7.00| 1.31|
89-504-01 | 3/4” | .68 | 1.50| 3.00| 7.00| 1.98|
89-505-01 | 1”   | .87 | 1.68| 3.37| 7.00| 2.35|
89-506-01 | 1-1/4”| 1.00| 2.00| 4.00| 9.00| 3.96|
89-507-01 | 1-1/2”| 1.25| 2.18| 4.37| 9.00| 4.78|
89-508-01 | 2”   | 1.50| 2.75| 5.50| 9.00| 6.66|

For Pressure/Temperature Ratings, Refer to Page M-12, Graph No. 13 (1/4” to 1”)
Refer to Page M-11 Graph No. 11 (1-1/4” to 2”)