87A-500 Series
Alloy 20 ANSI Class 150 Flanged Full Port Ball Valve - 1/2” through 1”

STANDARDS COMPLIANCE
Refer to page D-A

STANDARD FEATURES
Refer to page D-A

MATERIALS OF CONSTRUCTION

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Body</td>
<td>ASTM A351 CN7M</td>
</tr>
<tr>
<td>2. Retainer</td>
<td>ASTM B473 (UNS N08020)</td>
</tr>
<tr>
<td>3. Ball</td>
<td>ASTM B473 (UNS N08020)</td>
</tr>
<tr>
<td>4. Stem</td>
<td>ASTM B473 (UNS N08020)</td>
</tr>
<tr>
<td>5. Packing Gland</td>
<td>ASTM A276 Type 316</td>
</tr>
<tr>
<td>6. Stem Seals</td>
<td>PTFE</td>
</tr>
<tr>
<td>7. Seats</td>
<td>RPTFE</td>
</tr>
<tr>
<td>8. Gland Screws</td>
<td>ASTM A193 B8 Class 1</td>
</tr>
<tr>
<td>9. Gland Plate</td>
<td>302 or 304 SS</td>
</tr>
<tr>
<td>10. Stem Nut</td>
<td>316 SS</td>
</tr>
<tr>
<td>11. Lever</td>
<td>302 or 304 SS with Vinyl Grip</td>
</tr>
<tr>
<td>12. Stem Bearing</td>
<td>RPTFE</td>
</tr>
<tr>
<td>13. Stop</td>
<td>ASTM A276 Type 316</td>
</tr>
<tr>
<td>14. Stop Screw</td>
<td>18-8 SS</td>
</tr>
<tr>
<td>15. Lock Plate</td>
<td>302 or 304 SS</td>
</tr>
<tr>
<td>16. Body Seal</td>
<td>RPTFE</td>
</tr>
<tr>
<td>17. Lockwasher</td>
<td>302 or 304 SS</td>
</tr>
<tr>
<td>18. Grounding Spring</td>
<td>SS</td>
</tr>
</tbody>
</table>

OPTIONS AVAILABLE:

<table>
<thead>
<tr>
<th>SUFFIX</th>
<th>OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>-01-</td>
<td>Standard (Locking and Grounded)</td>
</tr>
<tr>
<td>-14-</td>
<td>Side Vented Ball (Uni-Directional)</td>
</tr>
<tr>
<td>-15-</td>
<td>Wheel Handle, Steel</td>
</tr>
<tr>
<td>-21-</td>
<td>UHMWPE Seats</td>
</tr>
<tr>
<td>-24-</td>
<td>Fire Safe (Graphite Packing and Seal)</td>
</tr>
<tr>
<td>-35-</td>
<td>PTFE Seats and Seals</td>
</tr>
<tr>
<td>-38-</td>
<td>PEEK Seats and Graphite Packing</td>
</tr>
<tr>
<td>-49-</td>
<td>Assembled Dry</td>
</tr>
<tr>
<td>-57-</td>
<td>Oxygen Cleaned</td>
</tr>
<tr>
<td>-65-</td>
<td>MPTFE Seats and Graphite Packing</td>
</tr>
<tr>
<td>-69-</td>
<td>Drilled and Tapped Purge Port with Plug</td>
</tr>
<tr>
<td>-70-</td>
<td>4&quot; Extended Bonnet</td>
</tr>
<tr>
<td>-80-</td>
<td>Multi-Seal (Super TFE) 87A/88A Series</td>
</tr>
</tbody>
</table>

For Pressure/Temperature Ratings, Refer to Page M-14, Graph No. 18

| NUMBER SIZE A B C D E F G H I J K L M WT. |
|-----------------------------------------|----------------------------------------|
| 87A-503-01 1/2" 0.500 4.25 2.06 3.31 5.11 0.30 1.09 1.41 1.000 0.500 0.375 0.245 10-24 5.0 |
| 87A-504-01 3/4" 0.750 4.62 2.18 3.89 5.53 0.36 1.65 1.99 1.392 0.696 0.500 0.287 1/4-20 6.0 |
| 87A-505-01 1" 1.00 5.00 2.32 4.62 6.53 0.47 1.62 2.15 1.392 0.696 0.500 0.287 1/4-20 7.0 |