Quadrant™ Series S10-SS
Seal Welded Extreme Pressure Ball Valves

ASME B16.34 & API 608 Compliant

Features
- Seal Welded Construction
- All Stainless Construction
- 10,800 WOG Rating (CF8M)
- Fully Compliant with ASME B16.34 Class 4500
- PEEK Seats and Graphite Seals Standard
- All Models Comply with NACE MR0175
- 304SS Locking Handles
- Mets all Requirements of API 608
- API 607 Fire Safe
- ISO Mounting Pads
- Available in NPT, Socket Weld, or MxF NPT

Materials of Construction

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
<th>STANDARD MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>ASTM A351 GR. CF8M</td>
</tr>
<tr>
<td>2</td>
<td>Tailpiece</td>
<td>ASTM A351 GR. CF8M</td>
</tr>
<tr>
<td>3</td>
<td>Ball</td>
<td>ASTM A276 GR. 316 SS</td>
</tr>
<tr>
<td>4</td>
<td>Stem</td>
<td>17-4PH SS</td>
</tr>
<tr>
<td>5</td>
<td>Packing Nut</td>
<td>ASTM A276 GR. 316 SS</td>
</tr>
<tr>
<td>6</td>
<td>Seats (2)</td>
<td>PEEK</td>
</tr>
<tr>
<td>7</td>
<td>Seat Seal (2)</td>
<td>Viton</td>
</tr>
<tr>
<td>8</td>
<td>Tailpiece Seal</td>
<td>Graphite</td>
</tr>
<tr>
<td>9</td>
<td>Thrust Washer</td>
<td>PEEK</td>
</tr>
<tr>
<td>10</td>
<td>Stem Packing</td>
<td>Graphite</td>
</tr>
<tr>
<td>11</td>
<td>Lock Washer</td>
<td>304 SS</td>
</tr>
<tr>
<td>12</td>
<td>Handle Nut</td>
<td>304 SS</td>
</tr>
<tr>
<td>13</td>
<td>Handly Assy.</td>
<td>300 SS</td>
</tr>
<tr>
<td>14</td>
<td>Name Plate</td>
<td>300 SS</td>
</tr>
</tbody>
</table>

RATINGS
10,800 PSIG @100F Water, Oil Gas
250 PSIG Saturated Steam (PEEK Seats)

Smart Solutions. Powerful Products.
### Dimensions, Weights, CV Factors & Maximum Operating Torque

| SIZE  | A (BORE) | B | C | D | E | F | G | H | J | K DIA | L (3 TAPPED HOLES) | ISO PATTERN | WT. LBS. | CV | MAX. TORQUE |
|-------|----------|---|---|---|---|---|---|---|---|---|------|-------------------|-------------|----------|---|-------------|
| 1/4" FNPT | .40 | .40 | 2.27 | 5.15 | 1.64 | 1.01 | .21 | .20 | .31 | 1.42 | 1/4"-20 UNC | F03 | 2.7 | 6 | 150 IN-LBS |
| 3/8" FNPT | .40 | .40 | 2.27 | 5.15 | 1.64 | 1.01 | .21 | .20 | .31 | 1.42 | 1/4"-20 UNC | F03 | 2.7 | 10 | 150 IN-LBS |
| 1/2" FNPT | .40 | .40 | 2.27 | 5.15 | 1.64 | 1.01 | .21 | .20 | .31 | 1.42 | 1/4"-20 UNC | F03 | 2.6 | 14 | 150 IN-LBS |
| 1/2" SW  | .40 | .40 | 2.27 | 5.15 | 1.64 | 1.01 | .21 | .20 | .31 | 1.42 | 1/4"-20 UNC | F03 | 2.6 | 14 | 150 IN-LBS |

### Numbering System ... How to Order

**S10**
- **R** Series
  - S10 = Seal Welded
  - 10,800 WOG
- **S** Port Size
  - R = Reduced
- **S** Body Material
  - S = Stainless (CF8M)
- **S** Ball/Stem Material
  - S = 316 Stainless
- **P** Seat Material
  - P = Peek
- **F** Seal Material
  - F = Graphite
- **SL** Handle Type
  - SL = Stainless
  - PA = Latch Lock
  - SA = Double Acting
  - EA = Spring Return
  - 115VAC
  - Electric
- **TT** Ends
  - TT = FNPT
  - MT = MxF NPT
  - WW = Socket Weld
  - WT = Socket Weld x FNPT
- **050** Size
  - 025 = 1/4"
  - 038 = 3/8"
  - 050 = 1/2"