Quadrant™ Series S5-SS
Seal Welded High Pressure Ball Valves

Features
- Seal Welded Construction
- Full Port and Reduced Port Versions Available
- All Stainless Construction - CF8M Bodies
- Tailpieces, 316SS Internals
- 5000 WOG Rating on All Sizes
- Delrin Seats Standard
- All Models are NACE MR0175 Compliant
- All Models are API 607 Fire Safe
- Standard ISO Actuator Mounting Pads on all Sizes
- Standard Locking Stainless Steel Handles
- The Ultimate Valve for Safe High Pressure Service
- API 641 Certified

Materials of Construction

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
<th>STANDARD MATERIAL</th>
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<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>
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<tr>
<td>3</td>
<td>Ball</td>
<td>ASTM A276 GR. 316 SS</td>
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<tr>
<td>4</td>
<td>Stem</td>
<td>316SS or 17-4PH (1-1/2-2&quot;)</td>
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<tr>
<td>5</td>
<td>Packing Nut</td>
<td>ASTM A276 GR. 316 SS</td>
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<tr>
<td>6</td>
<td>Seats (2)</td>
<td>Delrin 100AF</td>
</tr>
<tr>
<td>7</td>
<td>Tailpiece Seal</td>
<td>Graphite</td>
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<tr>
<td>8</td>
<td>Thrust Washer</td>
<td>PTFE</td>
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<tr>
<td>9</td>
<td>Stem Packing</td>
<td>Graphite</td>
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<td>10</td>
<td>Lock Washer</td>
<td>304 SS</td>
</tr>
<tr>
<td>11</td>
<td>Handle Nut</td>
<td>304 SS</td>
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<tr>
<td>12</td>
<td>Handle Assy.</td>
<td>304 SS</td>
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RATINGS
5000 PSIG @100F Water, Oil, Gas
No steam service rating (Delrin seats)
Dimensions, Weights, CV Factors & Maximum Operating Torque

<table>
<thead>
<tr>
<th>SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K DIA</th>
<th>(3 TAPPED HOLES)</th>
<th>ISO PATTERN</th>
<th>WT. LBS.</th>
<th>CV</th>
<th>MAX. TORQUE</th>
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<td>3.0</td>
<td>2.28</td>
<td>4.94</td>
<td>1.63</td>
<td>.97</td>
<td>.34</td>
<td>.20</td>
<td>.31</td>
<td>1.42</td>
<td>1/4&quot;-20 UNC</td>
<td>F03</td>
<td>1.6</td>
<td>10</td>
<td>75 IN-LB</td>
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<tr>
<td>1/2&quot; FP</td>
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<td>4.0</td>
<td>2.28</td>
<td>4.94</td>
<td>1.63</td>
<td>.97</td>
<td>.34</td>
<td>.20</td>
<td>.31</td>
<td>1.42</td>
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<td>F03</td>
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<td>16</td>
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<td>.42</td>
<td>.28</td>
<td>.43</td>
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<tr>
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<td>6.25</td>
<td>4.60</td>
<td>13.85</td>
<td>3.87</td>
<td>2.51</td>
<td>.50</td>
<td>.39</td>
<td>.62</td>
<td>2.76</td>
<td>5/16&quot;-18 UNC</td>
<td>F07</td>
<td>11.7</td>
<td>120</td>
<td>750 IN-LB</td>
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</tbody>
</table>

**Numbering System ... How to Order**

**S5**
**F**
**S**
**S**
**A**
**F**
**SL**
**TT**
**050**

**SERIES**
S5 = Seal Welded 5000 WOG

**PORT SIZE**
R = Reduced F = Full

**BODY MATERIAL**
S = Stainless (CF8M)

**BALL/STEM MATERIAL**
S = 316 Stainless

**SEAT MATERIAL**
A = ACETAL (Delrin)

**SEAL MATERIAL**
F = Graphite

**HANDLE TYPE**
SL = Stainless Latch Lock
LO = Locking Stainless Oval
PA = Double Acting Pneumatic
SA = Spring Return Pneumatic

**ENDS**
TT = FNPT

**SIZE**
025 = 1/4"
038 = 3/8"
050 = 1/2"
075 = 3/4"
100 = 1"
150 = 1-1/2"
200 = 2"

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