AE3K Series - Three-Way Block Body Threaded

- Any port may be pressurized on this series valve (“True” 3-way valve)
- Carbon Steel with Zinc Chromate Plating (RoHS Compliant)
- POM seats & Buna O-rings standard on carbon steel valves
- Optional seal materials available for extreme temperature applications & fluid compatibility (Consult Factory)

NPT threads in accordance with ANSI B.1.20.1 specifications.
SAE threads in accordance with SAE J1926-1 specifications.

<table>
<thead>
<tr>
<th>NPT</th>
<th>SAE</th>
<th>PSI MAX</th>
<th>A BORE</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE3K L N1/4</td>
<td>AE3K L N4</td>
<td>5800</td>
<td>.24</td>
<td>1.67</td>
<td>2.88</td>
<td>.57</td>
<td>1.38</td>
<td>1.91</td>
<td>1.18</td>
<td>4.33</td>
<td>1.2 LBS</td>
</tr>
<tr>
<td>AE3K L N3/8</td>
<td>AE3K L N6</td>
<td>5800</td>
<td>.39</td>
<td>1.75</td>
<td>2.87</td>
<td>.69</td>
<td>1.57</td>
<td>2.15</td>
<td>1.38</td>
<td>4.33</td>
<td>1.5 LBS</td>
</tr>
<tr>
<td>AE3K L N1/2</td>
<td>AE3K L N8</td>
<td>5075</td>
<td>.51</td>
<td>1.91</td>
<td>3.27</td>
<td>.71</td>
<td>1.69</td>
<td>2.30</td>
<td>1.46</td>
<td>4.33</td>
<td>1.8 LBS</td>
</tr>
<tr>
<td>AE3K L N3/4</td>
<td>AE3K L N12</td>
<td>5075</td>
<td>.79</td>
<td>2.46</td>
<td>3.74</td>
<td>.92</td>
<td>2.17</td>
<td>2.95</td>
<td>1.77</td>
<td>7.01</td>
<td>3.5 LBS</td>
</tr>
<tr>
<td>AE3K L N1</td>
<td>AE3K L N16</td>
<td>5075</td>
<td>.98</td>
<td>2.62</td>
<td>4.41</td>
<td>1.16</td>
<td>2.56</td>
<td>3.44</td>
<td>2.17</td>
<td>7.01</td>
<td>5.3 LBS</td>
</tr>
</tbody>
</table>
**AE3K Series - Three-Way Block Body Threaded**

**Model Code Breakdown**

- **AE3KL N1/2 - 1 1 D B**

**VALVE SERIES**

**PORT TYPE**

L “Diverter” L-Port

**CONNECTION TYPE/SIZE**

N NPT Pipe Thread
S SAE Straight Thread

**BORE RESTRICTION**

blank Unrestricted Bore
R Restricted Bore

**BODY & ADAPTER MATERIAL**

1 Carbon Steel

**BALL & STEM MATERIAL**

1 Carbon Steel

**LOCKING KIT OR OPTIONAL HANDLE CODE**

(See pages 42 & 43)

**ADAPTER & STEM SEALS**

B Buna- Standard
V Viton

**BALL & STEM SEATS**

D POM- Standard

Please consult your system’s seal manufacturer for recommendation of seal selection, as Anchor Fluid Power does not accept responsibility for seal selection.

**MAXIMUM & MINIMUM WORKING TEMPERATURES FOR SEAL MATERIALS**

<table>
<thead>
<tr>
<th>Seal Material</th>
<th>Maximum Temperature</th>
<th>Minimum Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUNA</td>
<td>212°F</td>
<td>-22°F</td>
</tr>
<tr>
<td>VITON</td>
<td>392°F</td>
<td>-13°F</td>
</tr>
<tr>
<td>PA612</td>
<td>293°F</td>
<td>-49°F</td>
</tr>
<tr>
<td>PEEK</td>
<td>482°F</td>
<td>-58°F</td>
</tr>
<tr>
<td>POM</td>
<td>212°F</td>
<td>-22°F</td>
</tr>
</tbody>
</table>

All temperatures are in degrees Fahrenheit.