**TECHNICAL DATA**

**NOMINAL CRACK PRESSURE:** .15, 1, 3, 5* & 8 PSIG

**MAX. OPERATING PRESSURE:** 1000 PSIG @ UP TO 350° F. **

**LEAKAGE IN CHECK DIRECTION (AMBIENT):**

< 20 cc /MIN @ 25 PSI, NITROGEN

**EXTERNAL LEAKAGE:** ZERO

**LUBRICANT:** KRYTOX 205 ON COPPER CRUSH WASHER

**TEMPERATURE RANGE:** -452° F TO 350° F.

**SUITABLE FOR LIQUID CRYOGENIC SERVICE**

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**HOW TO ORDER**

**SERIES:**

CV - CHECK VALVE

**PIPE SIZE (NPT):**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>THREAD</th>
<th>A (INCH)</th>
<th>B</th>
<th>Cv</th>
</tr>
</thead>
<tbody>
<tr>
<td>253</td>
<td>1/4&quot; - 18 NPT</td>
<td>2.25</td>
<td>1&quot;</td>
<td>3.0</td>
</tr>
<tr>
<td>373</td>
<td>3/8&quot; - 18 NPT</td>
<td>2.43</td>
<td>1-1/8&quot;</td>
<td>3.9</td>
</tr>
<tr>
<td>503</td>
<td>1/2&quot; - 14 NPT</td>
<td>2.93</td>
<td>1-1/2&quot;</td>
<td>7.4</td>
</tr>
<tr>
<td>753</td>
<td>3/4&quot; - 14 NPT</td>
<td>3.37</td>
<td>1-3/4&quot;</td>
<td>11.4</td>
</tr>
<tr>
<td>1003</td>
<td>1&quot; - 11-1/2 NPT</td>
<td>3.99</td>
<td>2&quot;</td>
<td>14.2</td>
</tr>
<tr>
<td>1253</td>
<td>1-1/4&quot; - 11-1/2 NPT</td>
<td>4.53</td>
<td>2-3/4&quot;</td>
<td>26.8</td>
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<tr>
<td>1503</td>
<td>1-1/2&quot; - 11-1/2 NPT</td>
<td>5.29</td>
<td>2-3/4&quot;</td>
<td>26.8</td>
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<tr>
<td>2003</td>
<td>2&quot; - 11-1/2 NPT</td>
<td>6.13</td>
<td>Ø3-11/32&quot;</td>
<td>51.0</td>
</tr>
</tbody>
</table>

**MATERIAL CODE**

B - BRASS, ASTM B16

SS - 316 STAINLESS STEEL, ASTM A479

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**NOTES:**

1) CLEANED AND PACKAGED FOR OXYGEN SERVICE.

2) NPT THREADS CONFORM TO ANSI/ASME STANDARD B1.20.1

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**CV-XX3X-T-X**

**AS SPECIFIED**

TOLERANCE SCHEDULE

UNLESS OTHERWISE SPECIFIED

FRACTIONAL: ± 1/64"

ANGLES: ± 1/2°

XXX ± .005

CONCENTRICITY: .005 T.I.R.

FINISHED SURFACES: 63 Ra

BREAK CORNERS/EDGES: .016 MAX

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**Printed Date:** 10/23/2020