SERIES V BALL VALVE

SERVICE: Chilled/Hot Water - 50% Glycol
Steam: 125 psi
FLOW CHARACTERISTIC: Equal %
SIZES: 1” - 6”
BODY: Carbon Steel / Stainless Steel Optional
BALL: 304SS
SHAFT: 304SS
SEAT: TFM 1700
O-RING: ALFAS
BEARING: PEEK
TEMPERATURE RANGE: -20°F to 400°F
CLOSE OFF: 250PSI
END CONNECTIONS:
1” - 2” : NPT/Wafer ANSI 150/300
3” - 6” : ANSI 150 Flanged or ANSI 300 Flanged

SERIES V with DIRECT ACTING ACTUATORS

<table>
<thead>
<tr>
<th>INCH</th>
<th>DN(MM)</th>
<th>BODY</th>
<th>Cv 75°</th>
<th>Cv 90°</th>
<th>VSI PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1”</td>
<td>25</td>
<td>150/300</td>
<td>24</td>
<td>31</td>
<td>V-01/C-SR063/WT8551</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>V-01/C-SR063/VP7</td>
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<tr>
<td>1.5”</td>
<td>40</td>
<td>150/300</td>
<td>55</td>
<td>73</td>
<td>V-15/C-SR063/WT8551</td>
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<tr>
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<td></td>
<td>V-15/C-SR063/VP7</td>
</tr>
<tr>
<td>2”</td>
<td>50</td>
<td>150/300</td>
<td>77</td>
<td>96</td>
<td>V-02/C-SR083/WT8551</td>
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<tr>
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<td></td>
<td></td>
<td>V-02/C-SR083/VP7</td>
</tr>
<tr>
<td>3”</td>
<td>80</td>
<td>150</td>
<td>207</td>
<td>270</td>
<td>V-03/C-SR083/WT8551</td>
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<td>V-03/C-SR083/VP7</td>
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<tr>
<td>4”</td>
<td>100</td>
<td>150</td>
<td>350</td>
<td>529</td>
<td>V-04/C-SR105/WT8551</td>
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<td>V-04/C-SR105/VP7</td>
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<tr>
<td>6”</td>
<td>150</td>
<td>150</td>
<td>507</td>
<td>850</td>
<td>V-06/C-SR125/WT8551</td>
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<td>V-06/C-SR125/VP7</td>
</tr>
</tbody>
</table>

Please specify fail position and solenoid voltage when ordering.

SERIES C ACTUATOR

MINIMUM AIR SUPPLY: 40 psi
MAXIMUM AIR SUPPLY: 130 psi
TORQUE RANGE: 124 - 40519 in/lb [-80 psi]
HOUSING: Die Cast Aluminum Alloy
TEMPERATURE: 0°C to +80°C
-20°C to +80°C with dry air
-40°C to +150°C in special execution
OPERATING MEDIA: Compressed filtered air
Standard NAMUR mounts for optional accessories
SPRING RETURN OPERATION (SR)
FAIL CCW
Air is supplied to Port A forcing the pistons away from each other (towards ends), rotating the drive pinion counter-clockwise, compressing the springs and exhausting air out of Port B
FAIL CW
Air failure (loss of pressure) allows the compressed springs to force the pistons toward each other (towards center), rotating the drive pinion clockwise and exhausting air out of Port A

SERIES C with NAMUR MOUNTS (Optional)

Please specify fail position when ordering.

ASCO 8551 Direct Mount Solenoid

Watt Rating and Power Consumption

<table>
<thead>
<tr>
<th>DC Watts</th>
<th>AC Watts</th>
<th>VA Holding</th>
<th>VA Inrush</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.9</td>
<td>6.3</td>
<td>7</td>
<td>10.1</td>
</tr>
</tbody>
</table>

Temperature Range: AC 5°F to 140°F [-15°C to 60°C]
DC 5°F to 77°F [-15°C to 25°C]

ALS-100 Limit Switch (Optional)

Position Indicator: Polycarbonate Dome
Switches: 2x SPDT 5A 125-250 VAC micro-switches
Terminal Strip: Standard 8 Points
Cable Entry: 2x 1/2” NPT
Mounting: NAMUR Standard shaft and bracket

VRC Model V Series Positioner

VP - Pneumatic 3-15 PSI
VE - Electro-Pneumatic 4-20mA (Optional)

Position Indicator: Flat Lens - Dome Lens (Optional)

PERFORMANCE

RESOLUTION
0.25% Maximum
0.10% Typical

REPEATABILITY
99.75% Minimum
99.90% Typical

HYSTERESIS
0.50% Maximum
0.25% Typical

LINEARITY
+/-.10% Maximum

GAIN
@80 PSIG
250 Single-Acting
500 Double-Acting

AIR CONSUMPTION
@80 PSIG
0.25 SCFM Standard Flow Spool Valve
0.45 SCFM Maximum Flow Spool Valve

TEMPERATURE RANGE
-40 to 150°F / -40 to 65°C