SERIES 2110 - SERIES C
SPRING RETURN HIGH PRESSURE PNEUMATIC ACTUATORS
2" - 20" RESILIENT SEATED BUTTERFLY VALVES

SERIES 2110 BUTTERFLY VALVE
SERVICE: Chilled/Hot Water - 50% Glycol
FLOW CHARACTERISTIC: Modified EQ%
SIZES: 2" - 20"
BODY: Ductile Iron ASTM A536
BODY COATING: Fusion Bonded Epoxy
BODY PRESSURE RATING: ASME/ANSI Class 125
WORKING PRESSURE: 250 PSI for -22°F to 100°F
END FITTING: Lugged ANSI Class 125/150 Flanged
DISC: 416SS
STEM: EPDM
SEAT: EPDM
O-RING: EPDM
BUSHING: PTFE
CLOSE OFF: 100 PSI
LEAKAGE: Bubble Tight Shutoff
TEMPERATURE RANGE: -22°F to 250°F
MAX FLUID VELOCITY: 30 FPS

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

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>
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<tr>
<td>6.9</td>
<td>6.3</td>
<td>7</td>
<td>10.1</td>
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</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
+/- 1.0% 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
## SPRING RETURN HIGH PRESSURE PNEUMATIC ACTUATORS

### 2" - 20" RESILIENT SEATED BUTTERFLY VALVES

**DIMENSIONAL INFORMATION**

**DIMENSIONS: MM (INCHES)**

<table>
<thead>
<tr>
<th>PSI</th>
<th>VALVE SIZE</th>
<th>ACTUATOR</th>
<th>A</th>
<th>B</th>
<th>H</th>
<th>J x L</th>
<th>L</th>
<th>C</th>
<th>D</th>
<th>E*</th>
<th>F</th>
<th>G</th>
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<tr>
<td>2</td>
<td>50</td>
<td>C-SR063</td>
<td>80</td>
<td>161</td>
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<td>168</td>
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<td>262</td>
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*Includes linkage as required*