**Series CVA**

**Compact Valve and Actuator**

Pneumatic Actuated, Direct Acting or Spring Return

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**CVA Series Actuated Valves**

- Integrated pneumatic actuator.
- NAMUR solenoid mounting pad.
- Operating life over 1,000,000 cycles.
- Use in any mounting position.
- Ideal for air drying, laundry, dispensing, and pollution control equipment, process control applications, textile dyeing and drying, and industrial compressors.

Series CVA actuated valves combine a pneumatic actuator and a fast on-off control valve into one body, eliminating packing glands, actuators, and mounting kits. There are no exposed moving parts, eliminating pinch points and increasing operator safety. Because the actuator is part of the valve, costs are greatly reduced when compared to standard actuated valves. Balanced design reduces friction and wear, allowing the operating life to be tested to well over 1,000,000 cycles. The stroke is linear and parallel to the flow, dramatically reducing the required force to close or open the valve. The internal waterway design allows for optimum flow characteristics.

The pneumatic actuated valve can be double acting, spring return normally closed or normally open. The double acting model uses two supply ports (1/8˝ NPT) with one driving the valve open and the other driving the valve closed. Normally closed spring return normally open. The double acting model uses two supply ports (1/8˝ NPT) with one driving the valve open and the other driving the valve closed. Normally closed spring return.

**APPLICATIONS**

Ideal to use as an automated on/off valve on the compressed air lines for pneumatic conveying systems or pulse jet dust collectors.

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**SPECIFICATIONS**

- **Body:** 1-piece.
- **Line Size:** 3/8˝ to 2˝.
- **End Connections:** NPT female.
- **Wetted Materials:** Body: Nickel plated brass; Seals: fluoroelastomer.
- **Temperature Limit:** -4 to 302°F (-20 to 150°C).

**ACTUATORS**

- **Pneumatic Type:** DA is double acting and SR is spring return.
- **Normal Supply Pressure:** 43.5 psig (3 bar) for double acting; 61 psig (4.2 bar) for spring return.
- **Maximum Supply Pressure:** 116 psig (8 bar) for double acting; 116 psig (8 bar) for spring return.
- **Air Consumption:** 3/8˝: 0.73 in³; 1/2˝: 1.05 in³; 3/4˝: 1.90 in³; 1˝: 2.45 in³; 1-1/4˝: 4.58 in³; 1-1/2˝: 6.70 in³; 2˝: 12.75 in³.
- **Stroke Time:** DA01 & DA02: .01 s; DA03 & DA04: .02 s; DA05: .03 s; DA06: .06 s; DA07: .07 s (spring stroke) NC01 & NC02: .02 s; NC03: .03 s; NC04: .04 s; NC05: .07 s; NC06: .11 s; NC07: .13 s (air stroke) NC01 & NC02: .01 s; NC03 & NC04: .02 s; NC05: .04 s; NC06: .06 s; NC07: .07 s; NO same as NC.
- **Accessory Mounting:** NAMUR.

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<th>Size</th>
<th>Seat &amp; Seal Material</th>
<th>Cv</th>
<th>Double Acting</th>
<th>Spring Return: Normally Closed</th>
<th>Spring Return: Normally Open</th>
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<tr>
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<td>Model</td>
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<tr>
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*Solenoid Valve – See Model SV3