GP Series NAMUR Pilot Valves for Gemini Pneumatic Actuators

FEATURES

- NAMUR Compatible Interface Mounts to all Double Acting, & Spring Return NAMUR Style Gemini Pneumatic Actuators
- Compact Design Occupies Minimal Space in Restricted Applications
-Constructed from Corrosion Resistant Materials, Suitable for a Variety of Environments
- 4-Way NAMUR Design Allows for Easy Installation in Either Normally Open or Normally Closed Configuration
- DIN Style Operating Coil Available in Many of the Popular AC and DC Voltages

The Gemini 3GP & 4GP Series pilot valves are the ideal operators for Gemini pneumatic actuators. A single air connection and DIN style electrical connection are all that is required to complete the automated ball valve package.

The GP Series utilizes a flush mount NAMUR compatible interface to provide a space efficient design which quickly and easily mounts to all Gemini NAMUR style actuators. The symmetrical design of the 4-way NAMUR interface allows the ball valve to be configured to normally open or normally closed operation.

The GP Series is constructed from corrosion-resistant materials including a Teflon® impregnated, hard coat anodized aluminum body, stainless steel spool and glass reinforced Zytel® operator body to ensure long, trouble free life in a variety of environments.

Consistent with Gemini A500 Series actuators, the GP Series operates between 50 - 125 psi. The Mini-DIN style operating coil is available in a variety of popular voltages and can be adapted to conduit, strain relief, wire lead or automotive style connections.
Dimensions and Specifications

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<th>Actuator Model</th>
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**Porting / Air Delivery**

A single 1/8” NPT female connection is provided for supply. The flow characteristics for the energized and de-energized states are illustrated above.

The GP Series will mount to any NAMUR style flush mount device.

**Temperature**

Designed to operate in ambient temperatures between -20°F and 140°F (-28.89°C and 60°C)

**Note:** High temperature coils available for ambient temperatures to 350°F. Consult factory for details.

**Materials**

Body: PTFE / Anodized Aluminum
Spool: 18-8 Stainless Steel
Seals: Nitrile / Viton
Hardware: 18-8 Stainless Steel
Coil/Body: GF Nylon/GF Zytel

**Air Supply**

The 4GP will operate between 50 and 125 psi (3.44 and 8.62 Bar).

Sufficient air delivery must be available to ensure dependable actuator operation. The following precautions should be observed:

- Air supply should be clean and dry. When contaminated air is a problem a filter / separator should be specified.
- Eliminate severe restrictions to air flow. The most restricted air passage anywhere in the delivery system should be no smaller than .003 in², the area of 1/16” diameter orifice.
- Tubing: For short runs up to 5 feet, 5/32” I.D. tubing is suitable; for 30 feet, 1/4” I.D.; for longer runs use 3/8” I.D. or larger.

**Operating Coil**

Operating coil technical data is dependent on the specific model selected, however, all standard coils as designated by the ‘SC’ code and conform to the following:

- Wattage: 5 Watts
- Class: F, continuous duty
- Protection: IP65 (with connector) dusttight, water resistant
- Connection: Mini-DIN Standard

**LIMITED WARRANTY - Copy Available Upon Request.**
Specifications subject to change without notice and without obligation on the part of the manufacturer.