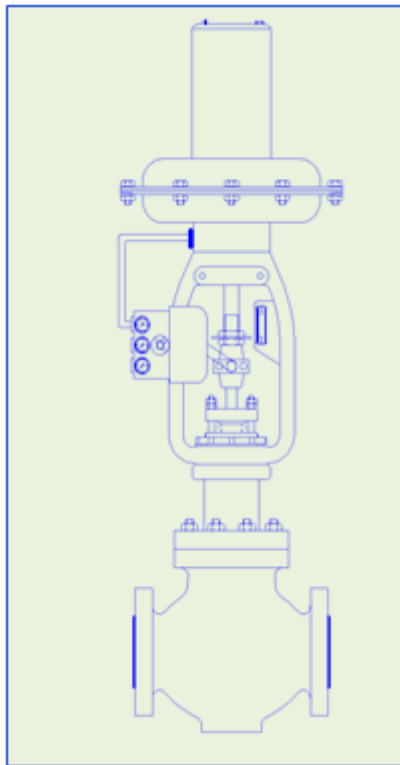




Pneumatic Valve Positioner



Schematic Diagram showing Valve Positioner mounted on a Globe Control Valve

PNEUMATIC VALVE POSITIONER is an instrument which works on force balance principle to position the Control Valve stem in accordance to a pneumatic signal received from a controller or manual loading station, regardless of packing box friction, actuator hysteresis or unbalanced forces on the valve plug. Thus, the positioner ensures a reliable and accurate operation of Control Valve.

DESIGN AND PERFORMANCE FEATURES

- High sensitivity and stability.
- Simple zero and span adjustments.
- Field reversibility.
- Large port pilot relay eliminates the air passage blockage.
- Internal components are of stainless steel.

TECHNICAL SPECIFICATIONS

- Model** : PVP-1 Single Acting - Direct Action
 : PVP-2 Single Acting - Reverse Action
 : PVP-3 Double Acting
- Supply Connection** : 1/4" NPT (F)
- Supply Air Pressure** : 1.4 to 3.5 kg/cm² g (Standard)
 : 5.0 kg/cm² g (Maximum)
- Input Signal** : 0.2 – 1.0 kg/cm² g (Standard)
 : 0.2 – 0.6 kg/cm² g (Split Range)
 : 0.6 – 1.0 kg/cm² g (Split Range)
- Hysteresis Error** : Within 1% of F.S.
- Linearity Error** : Within ± 1% of F.S.
- Dead Band** : Within 0.1% of F.S.
- Stroke Speed (Max)** : 10 mm/sec
- Stroke** : 14 mm upto 100 mm
- Air Consumption** : 7.0 Normal Liters/min
- Air Flow Capacity** : 200 Normal Liters/min (Maximum)

*Ordering Symbols: SG-PVP-

Model	Application	Supply Air Pressure	Input Signal
SG-PVP-	1 Single Acting – Direct Action	1 1.4 to 3.5 Kg/cm ² g	1 0.2 – 1.0 Kg/cm ² g (Standard)
	2 Single Acting – Reverse Action	2 5.0 Kg/cm ² g	2 0.2 – 0.6 Kg/cm ² g (Split Range)
	3 Double Acting		3 0.6 – 1.0 Kg/cm ² g (Split Range)

● Pneumatic Valve Positioner shown mounted on the Control Valve is indicative only ●
Design & Information in this document is subject to change without notice

SG PROCESS CONTROL INSTRUMENTS

Haware Centurion Complex, Unit No. S-12/90, 2nd Floor
 Plot No. 88 to 91, Sector 19A, Nerul-Seawoods (E)
 Navi Mumbai – 400706, Maharashtra (INDIA)

Phone : +91-22-65652058 ● +91-7738987671
Email : info@sgprocess.com
Website : www.sgprocess.com