

- Reliable, rugged proportional I/P and E/P converters
- Suitable for a wide range of applications
- Excellent accuracy
- High flow versions
- NEMA4 environmental protection in normal operation



General Information

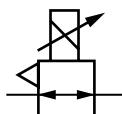
Part Number	Pressure range and input signal options		Calibration	Thread form*
	Control signal	Output pressure		
VP1001PK100A00	0-10 V	3-15 psi (0.2-1 bar)	PSIG	1/4" NPT
VP1001PK400A00	4-20 mA	3-15 psi (0.2-1 bar)	PSIG	1/4" NPT
VP1002PK100A00	0-10 V	3-30 psi (0.2-2 bar)	PSIG	1/4" NPT
VP1002PK400A00	4-20 mA	3-30 psi (0.2-2 bar)	PSIG	1/4" NPT
VP1004PK100A00	0-10 V	3-60 psi (0.2-4 bar)	PSIG	1/4" NPT
VP1004PK400A00	4-20 mA	3-60 psi (0.2-4 bar)	PSIG	1/4" NPT
VP1006PK101A00	0-10 V	3-90 psi (0.2-6 bar)	PSIG	1/4" NPT
VP1006PK401A00	4-20 mA	3-90 psi (0.2-6 bar)	PSIG	1/4" NPT
VP1008PK101A00	0-10 V	3-120 psi (0.2-8 bar)	PSIG	1/4" NPT
VP1008PK401A00	4-20 mA	3-120 psi (0.2-8 bar)	PSIG	1/4" NPT

Electrical Information

Electromagnetic compatibility	This is a passive electromagnetic instrument and is unaffected by interfering high frequency signals
Electrical signal	Two wire version 4-20 mA or 0-10 V for 60< PSIG Three wire version requires 12-24 V d.c. supply
Connections	30 mm square connector DIN 43650 provided, mountable in four directions (alternative connections available)

* Replace PK w/BJ for calibration in Bar and 1/4 ISO G thread form.

ISO Symbols





Technical data

Medium:

Oil free, dry air, filtered to 5 micron

Output pressure:

3-15 psig (0.2-1.0 bar), 3-30 psig (0.2-2.0 bar),
3-60 psig (0.2-4.0 bar), 2-120 psig (0.14-8 bar) three wire version

Flow capacity: Up to 10 scfm (300 l/min)

Air consumption

<60 psig (<4 bar): 0.03 scfm (0.85 l/min) typical

>60 psig (>4 bar): 0.06 scfm (1.75 l/min) typical

Operating pressure:

At least 10 psig (0.7 bar) above maximum required output pressure

Connections: NPT 1/4" or 1/4" ISO G available

Operating temperature: -4° to 160°F (-20°C to 70°C)

Response time

<30 psig (<2 bar): less than 0.5 seconds for 10-90% step change

>30 psig (>2 bar): 2 seconds for 10-90% step change

Total error:

±0.5% of span (typical, independent error includes the combined effect of non-linearity, hysteresis, deadzone and repeatability)

Temperature effect:

Typically 0.1% of span/°F for span and zero over operating range

Supply sensitivity:

>0.025% span output change per % supply pressure change

Failure mode:

Signal falls to bleed pressure when electrical supply fails

Mounting:

Integral surface mounting bracket provided for preferred vertical mounting.

50 mm pipe mounting kit available

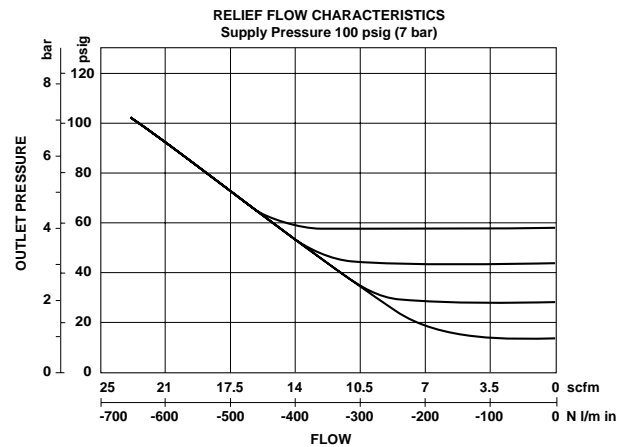
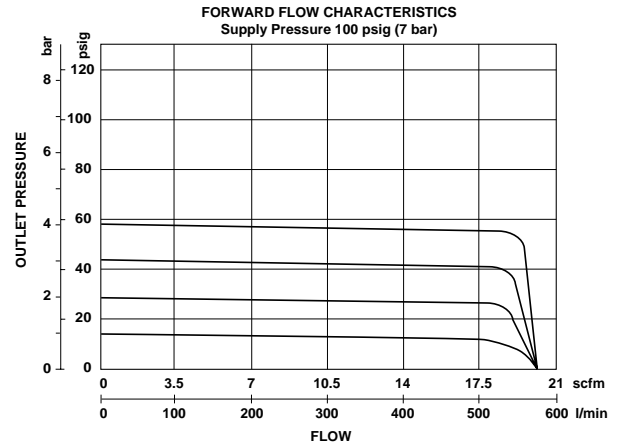
Material of construction:

Zinc die-casting passivated and epoxy paint, nitrile diaphragms, stainless

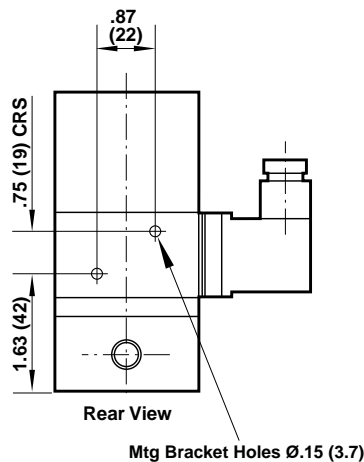
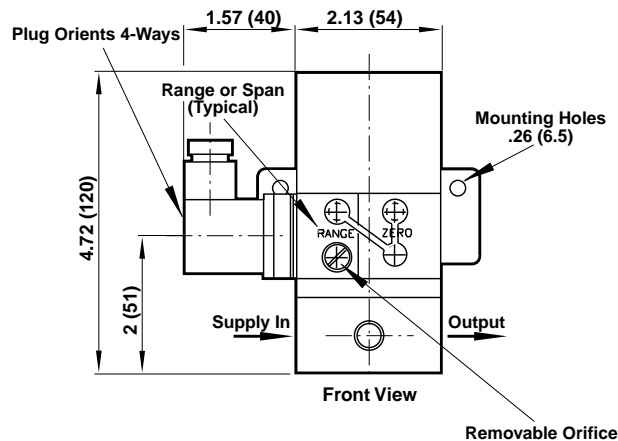
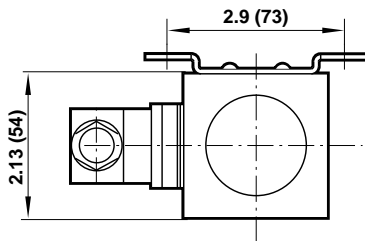
steel/nylon flapper nozzle and supply valve

Mass: 3.3 lbs (1500g) approx.

Typical Performance Characteristics



All Dimensions in Inches (mm)



Connector Wiring

