

PPL Series - Pneumatic-Pneumatic Positioner (Linear)

Schematic Representation Only



TFV PPL Series are the robust control devices which stand up to harsh environments and engineered to meet the highest and most demanding control performance that the process industries of today require.

Technical Specifications :

PPL		
	Linear Type (Lever Feedback)	
	Single	Double
Input Signal	0.2 - 1.0 bar (3 - 15 psi) (Note.1, 2)	
Supply Air Pressure	Max. 7.0 bar (100 psi)	
Standard Stroke	10 - 80 mm (Note.3)	
Pneumatic Connections	PT(Rc) 1/4 or NPT 1/4	
Ambient Temperature	-20 ~ +70°C (Note. 4)	
Pressure Gauge	Stainless steel	
Output Characteristics	Linear	
Linearity	Within $\pm 1.0\%$ F.S	Within $\pm 1.5\%$ F.S
Sensitivity	Within $\pm 0.2\%$ F.S	Within $\pm 0.5\%$ F.S
Hysteresis	Within 1.0% F.S	
Repeatability	Within $\pm 0.5\%$ F.S	
Air Consumption	5 LPM (Sup. 1.4 bar)	
Flow Capacity	80 LPM (Sup. 1.4 bar)	
Body Material	Aluminium die-cast	
Weight	2.1 kg	

Note:

- 1) 1/2 split range is available for 3~9 psi input signal or 9~15 psi input signal.
- 2) Please contact for 6~30 psi input signal.
- 3) Feedback lever can be extended to stroke 80 ~ 150mm.
- 4) High temperature option : up to +120°C without feedback options.
up to +85°C with feedback options.

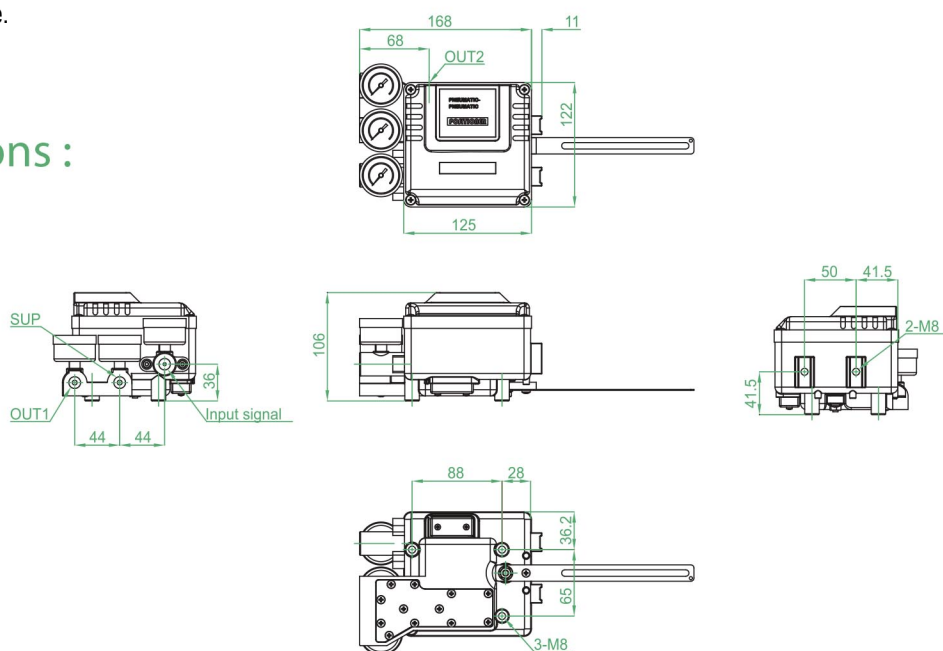
Features :

- Easy maintenance.
- Precise calibration with simple SPAN and ZERO adjustments.
- Simple conversion to direct acting or reverse acting.
- 1/2 split range available.
- Rugged aluminium housing with corrosion-resistant coating.
- Vibration resistant design.
- Stainless Steel gauges standard.
- Restricted pilot valve orifice kit for small actuators included.

Options :

- High temperature.

Dimensions :



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How to Order :

PPL — Feedback Lever Pressure Gauge (SUP. OUT) Pilot Valve Orifice Connection Threads High Temp Mounting Bracket

Description	Code
Feedback Lever :	A : Stroke (10 ~ 40 mm) B : Stroke (10 ~ 80 mm) C : Stroke (80 ~ 150 mm)
Pressure Gauge :	1 : 6 bar (90 psi) 2 : 10 bar (150 psi)
Pilot Valve Orifice :	S : Standard (Actuator volume over 180 cm ³) M : Small orifice (φ 1.0 or φ 0.7) (Actuator volume 90~180 cm ³)

Description	Code
Connection Threads : (pneumatic)	3 : PT(Rc) 1/4 4 : NPT 1/4
High Temperature :	T : 70°C (standard) H : 120°C
Mounting Bracket :	N : None L : DIN / IEC 534

Pneumatic-Pneumatic Positioner (Linear Type), Stroke 10 - 40mm, Pressure Gauge 10 bar (150 psi), Standard Pilot Valve Orifice, Connection Threads NPT 1/4, Standard Operating Temperature (70°C) with Mounting Bracket DN / IEC 534.

PPL-A2S-4TL

