

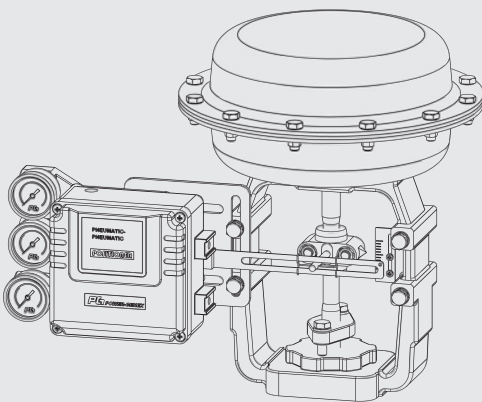
# PPL / PPR

Pneumatic-Pneumatic Positioner

0-6.6.01-C

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## PPL



Robust valve control device giving a confidence in reliable performance and outstanding durability under harsh working environments

### 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 aluminum housing with corrosion-resistant coating
- Vibration resistant design
- Stainless steel gauges standard
- Restricted pilot valve orifice kit for small actuators included

### OPTIONS

- High temperature

### 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 ±1.0% F.S.	Within ±1.5% F.S.
Sensitivity	Within ±0.2% F.S.	Within ±0.5% F.S.
Hysteresis	Within ±1.0% F.S.	
Repeatability	Within ±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

### HOW TO ORDER

**PPL**

Feedback Lever

Pressure Gauge

Pilot Valve Orifice

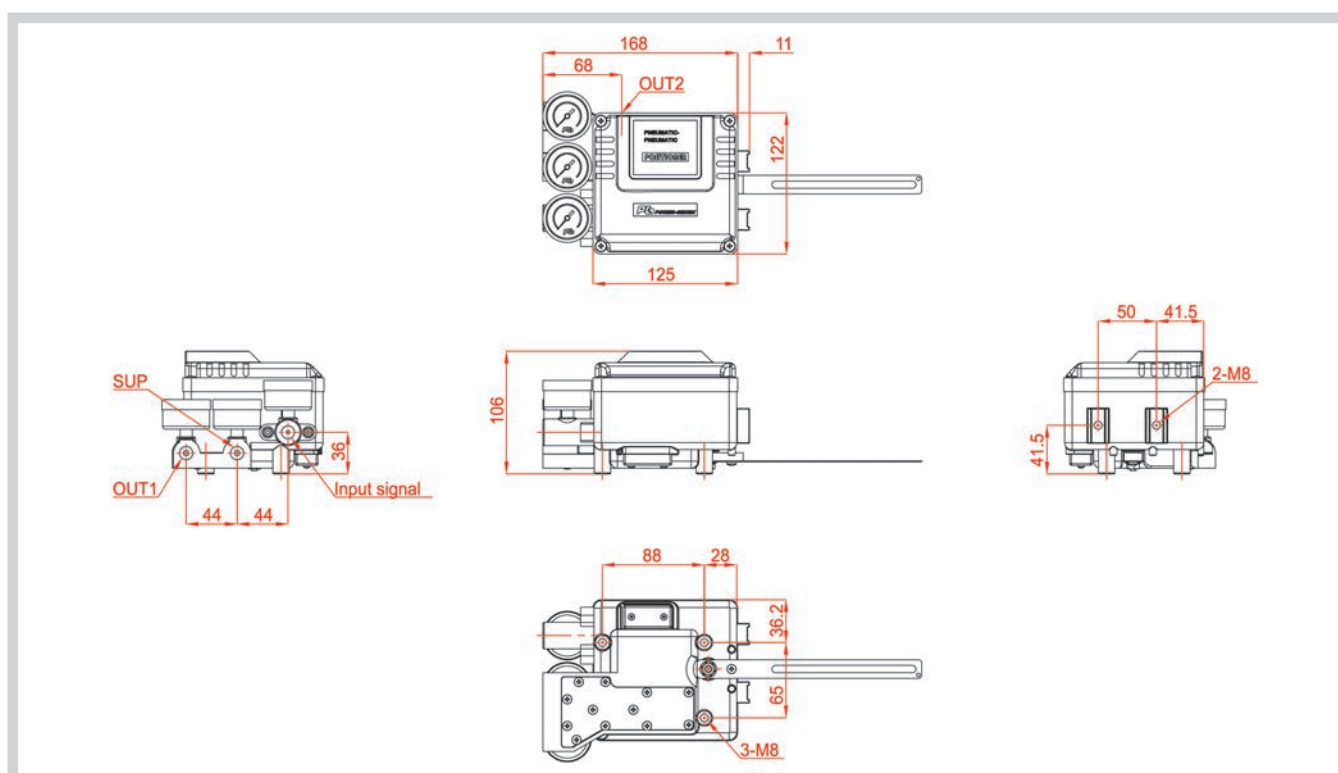
Connection Threads

Operating Temperature

Mounting Bracket

Description	Code	Description	Code
<b>Feedback Lever:</b>	A: Stroke 10 ~ 40mm B: Stroke 10 ~ 80mm C: Stroke 80 ~ 150mm	<b>Connection Threads:</b> (pneumatic)	3: PT(Rc) ¼ 4: NPT ¼
<b>Pressure Gauge</b>	1: 6 bar (90psi) 2: 10 bar (150psi)	<b>Operating Temperature:</b>	T: 70°C (standard) H: 120°C L: -40°C
<b>Pilot Valve Orifice:</b>	S: Standard (Actuator volume over 180 cm³) M: Small orifice (Ø 1.0 or Ø0.7) (Actuator volume 90~180cm³)	<b>Mounting Bracket:</b>	L: DIN/IEC 60534-6-1

### DIMENSION SKETCH



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# PPL / PPR

Pneumatic-Pneumatic Positioner

O-6.6.01-C

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## PPR



With Dome Indicator



Robust valve control device giving a confidence in reliable performance and outstanding durability under harsh working environments

### 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 aluminum housing with corrosion-resistant coating
- Vibration resistant design
- Stainless steel gauges standard
- Restricted pilot valve orifice kit for small actuators included

### OPTIONS

- Position transmitter (4-20mA output signal)
- 2 x SPDT limit switch
- 2 x P&F proximity sensor NJ2-V3-N
- Visual dome indicator
- High temperature

### SPECIFICATIONS

	PPR	
	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	60-100° (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 ±1.0% F.S.	Within ±1.5% F.S.
Sensitivity	Within ±0.5% F.S.	
Hysteresis	Within ±1.0% F.S.	
Repeatability	Within ±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	2.5 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) Operating angle can be adjusted to 0-60° or 0-100°

4) High temperature option: up to +120°C without feedback options  
up to +85°C with feedback options

**HOW TO ORDER**

<b>PPR</b>	Feedback Lever	Pressure Gauge	Pilot Valve Orifice	Position Feedback	Connection Threads	Dome Indicator	Operating Temperature	Mounting Bracket

Description	Code
<b>Feedback Lever:</b>	A: NAMUR shaft (direct mounting) B: Fork lever M6 x 40L C: Fork lever other size on request
<b>Pressure Gauge</b>	1: 6 bar (90psi) 2: 10 bar (150psi)
<b>Pilot Valve Orifice:</b>	S: Standard (Actuator volume over 180 cm <sup>3</sup> ) M: Small orifice (Ø 1.0 or Ø0.7) (Actuator volume 90~180cm <sup>3</sup> )
<b>Position Feedback:</b>	N:None (standard) O: Position transmitter (4~20mA output signal) L: 2 x SPDT limit switch P: 2 x proximity sensor P&F NJ2-V3-N M: O + L Q: O + P

Description	Code
<b>Connection Threads:</b> (pneumatic)	3: PT(Rc) ¼ 4: NPT ¼
<b>Dome Indicator:</b>	N: Flat indicator (standard) D: Dome indicator
<b>Operating Temperature:</b>	T: 70°C (standard) H: 120°C (without position feedback option) 85°C (with position feedback option) L: -40°C (without position feedback option)
<b>Mounting Bracket</b> - NAMUR Shaft Type:  - Fork Lever Type	R: Multi-size NAMUR bracket for DIN VDI/VDE 3845 (130 x 30 x 50 bracket on request)  F: DHCT bracket 80x30 for fork lever type E: Multi-size NAMUR bracket for Fork lever type (130 x 30 x 50 bracket on request)

**DIMENSION SKETCH**

