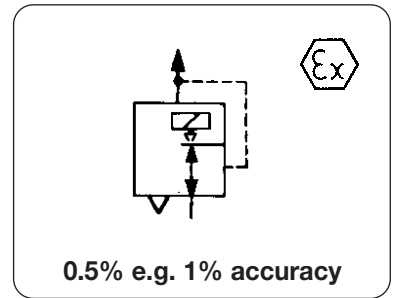


<b>Description</b>	The proportional pressure transducer transmits a DC current or voltage input signal to a proportional pneumatic outlet signal. The valve uses proven moving coil and flapper nozzle technology with a built-in pneumatic relay with slight amplification and positive bias. The valve is protected against vibration.		
<b>Media</b>	Compressed air or neutral gases, filtered to 5µm		
<b>Installation position</b>	vertical ± 15°		
<b>Air consumption</b>	0.2 to 4 l/min / 0.15 scfm. depending on setpoint		
<b>Supply voltage</b>	not required		
<b>Linearity</b>	< 0.5 % FS at 0.2-1/2 bar, otherwise 1% FS		
<b>Hysteresis</b>	< 0.25% FS at 0.2-1/2 bar, otherwise 1% FS		
<b>Repeatability</b>	< 0.2 % FS		
<b>Adjustment</b>	zero: ± 0.3 bar, range: 40% FS		
<b>Temperature range</b>	-20 °C to 60 °C / -4 °F to 140 °F ambient		
<b>Materials</b>	Body: chrome-treated aluminium Elastomer: NBR		
<b>Failsafe</b>	exhaust, when signal is off		
<b>Protection class</b>	IP65		
<b>4 to 20 mA signal</b>	260 Ω at 0.2-1/2 bar: 200 Ω		
<b>0 to 10 V signal</b>	900 Ω at 0.2-1/2 bar: 1.1 kΩ		
<b>Resolution</b>	<0.06% FS		
<b>Vibration sensitivity</b>	<2% FS @1/2 bar range at 10 g		
<b>Temp. sensitivity</b>	<0.5% + 0.2% / °C FS		
<b>Connector</b>	square, according to DIN 43650		
	-30 °C to 80 °C / -20 °F to 170 °F storage		
	Nozzle: sapphire in nickel-plated brass plate		
	Inner valve: stainless steel, brass, zinc-plated steel		



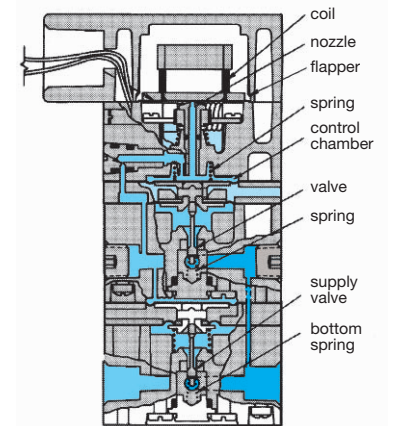
Input signal	Size	Linearity	Hysteresis reproducibility	Flow rate	Supply pressure	Pressure range	Order Number
V / ma		%	%	l/min**	max. bar	bar	

Proportional Pressure Regulator		1/4" NPT, 0.5 / 1% accuracy with air consumption			PT600		
0...10 V	A	< 0.5	< 0.25	250	8	0.2...1 bar	PT600-B100
	A	< 0.5	< 0.25	250	8	0.2...2 bar	PT600-B200
	B	< 0.75	< 1	300	10	0...2 bar	PT600-0200
	B	< 1	< 1	300	10	0...4 bar	PT600-0400
	B	< 1	< 1	300	10	0...8 bar	PT600-0800
	4...20 mA	A	< 0.5	< 0.25	250	8	0.2...1 bar
A		< 0.5	< 0.25	250	8	0.2...2 bar	PT602-B200
B		< 0.75	< 1	300	10	0...2 bar	PT602-0200
B		< 1	< 1	300	10	0...4 bar	PT602-0400
B		< 1	< 1	300	10	0...8 bar	PT602-0800

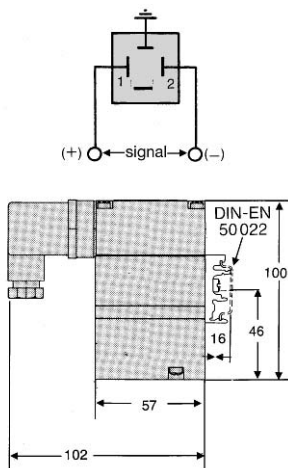


PT600 size B

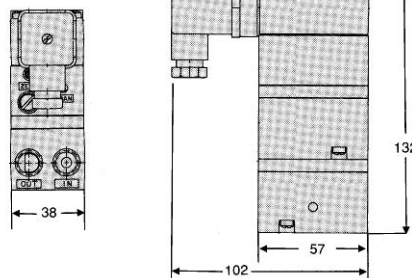
Special options	add the appropriate letter or number		Accessories	
intrinsically safe	Atex as per CENELEC	only 4...20 mA	1	PT602-...01
explosion-proof	Atex as per BASEEFA	only 4...20 mA	E	PT602-...0E
	as per FM	only 4...20 mA	F	PT602-...0F
	as per CSA	only 4...20 mA	C	PT602-...0C
mounting bracket	SA-PT1 for standard version		X	PT602-...0X
	SA-PT2 for DIN rail version		Y	PT602-...0Y
	SA-PT3 for  explosion-proof version		Z	PT602-...0Z
isolate transmitter	EExiallC; E/A: 0/4 mA / 24V; Ex 1-32		KFD2-CD	



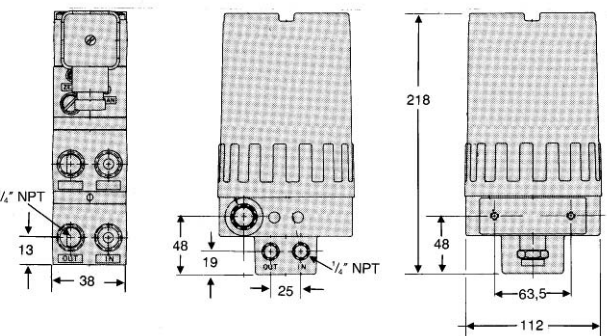
proportional pressure regulator with booster PT600 size B



PT600, size A



PT600, size B



PT602, explosion-proof, Atex

\*1 at 7 bar supply pressure and 1.4 bar outlet pressure

<b>For your information:</b>	1 bar: 14.8 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch	Pressure gauge: Please consult chapter "Gauges"
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm	

**Order example:**  
PT600-0800