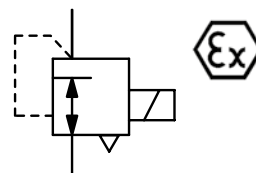


Description	The proportional pressure regulator translates a direct current or voltage input signal into a proportional pneumatic outlet signal. The valve uses proven moving coil and flapper nozzle technology with a built-in pneumatic relay with slight amplification and positive bias. Additional supply voltage is not necessary. The device has to be protected against vibration.	
Media	5 µm filtered compressed air or non-corrosive gases	
Supply voltage	not required	
Electrical connector	plug according to DIN 43650A, contact gap 18 mm, 3-pin, with coupling socket 30 x 30 mm	
Command signal	0 ... 10 V / 1.1 kΩ at PT6...-B, otherwise 900 Ω	4 ... 20 mA / 200 Ω at PT6...-B, otherwise 260 Ω
Failsafe	exhaust at power breakdown	
Linearity	< 0.5 % FS at 0.2...2 bar, otherwise < 1% FS	
Hysteresis	< 0.25% FS at 0.2...2 bar, otherwise < 1% FS	
Adjustment	Zero point: by 0.3 bar Range: 40% FS	
Temperature range	-30 °C to 65 °C / -22 °F to 149 °F	
Material	Body: chromated aluminium Nozzle: sapphire in nickel-plated brass plate	
	Response sensitivity < 0.2% FS Repeatability < 0.1% FS Vibration sensitivity < 2% FS, for 10 g and 15 ... 500 Hz Mounting position upright ± 15° Protection class IP 65 Elastomer: NBR/Buna-N Inner valve: stainless steel, brass, zinc-plated steel	



accurate 0.5% or 1%

Dimensions			Flow rate	Supply pressure	Command signal	Pressure range	Order number	
A	B	C	l/min*1	max. bar	V/mA	bar		E*
mm	mm	mm						

Proportional pressure regulator 0-10 V							1/4" NPT, depending on pressure range air consumption 2...8 l/min	PT600
57	93	13	250	8	0-10 V	0.2 ... 1		PT600-B100
						0.2 ... 2		PT600-B200
57	132	13	300	10	0-10 V	0 ... 2		PT600-0200
						0 ... 4		PT600-0400
						0 ... 8		PT600-0800

Proportional pressure regulator 4-20 mA							1/4" NPT, depending on pressure range air consumption 2...8 l/min	PT602
57	93	13	250	8	4-20 mA	0.2 ... 1		PT602-B100
						0.2 ... 2		PT602-B200
57	132	13	300	10	4-20 mA	0 ... 2		PT602-0200
						0 ... 4		PT602-0400
						0 ... 8		PT602-0800

Special options, change the appropriate number

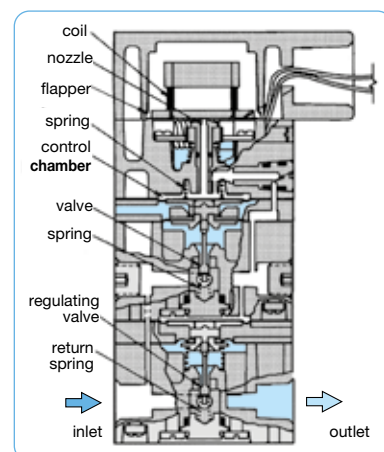
-i-Atex	Atex II 1G Ex ia IIC T4	4-20 mA only	PT602-...01
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Accessories, enclosed

mounting bracket	made of steel, for standard version made of plastic, for Din rail	SA-PT1 SA-PT2
isolate transmitter	Ex ia II C, E/A: 0-20 mA, 24 V DC, EX 1-32	KFD2-CD



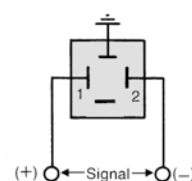
PT60.-0.



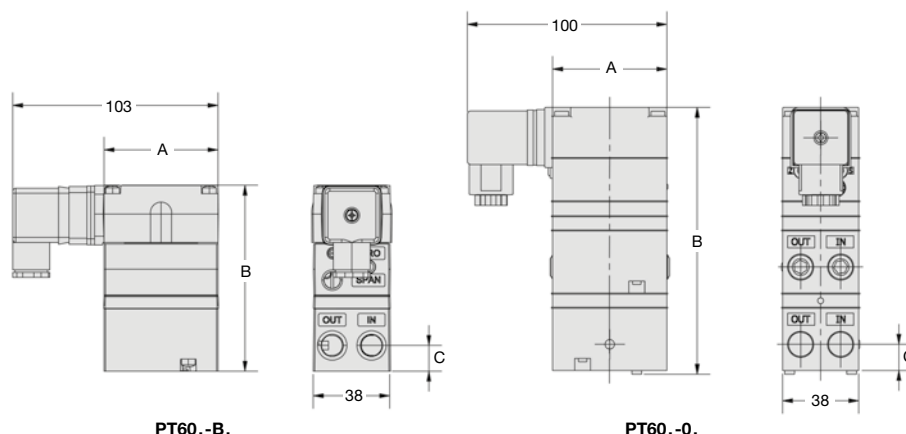
cross-section

Parameter	max. Value
Voltage U _i	28 V
Current I _i	93 mA
Power P _i	653 mW
Inductance L _i	0 µH
Capacitance C _i	0 µF

Safety parameters



connection diagram



PT600.-B.

PT600.-0.

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

PDF CAD
www.aircom.net

* Product group



Order example:
PT600-B100