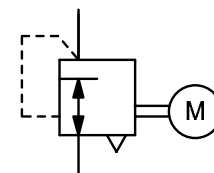


Description	Motorised air pressure regulator designed for precise pneumatic control using an electrical signal from a remote location. A slip clutch prevents from motor damages at overload or end position limitations.		
Media	dry, oil-free and 5 µm filtered compressed air or non-corrosive		
Operation	With no electrical power the regulator maintains a precise setpoint despite variable supply pressure and flow rates. When power is applied to the motor the pressure outlet changes.		
Power consumption	6 W		
Control signal	24 V DC		
Electrical connector	4 single wires, optionally plug according to DIN 43650A, contact gap 18 mm, 3-pin with coupling socket		
Accuracy	at varying supply pressures: max. 2.3 l/min, subject to outlet pressure, < 1% of volume flow		
Air consumption	relieving		
Relieving function	140 l/min at 1.5 bar outlet and 0.35 bar overpressure above setpoint,		
Relief capacity	1/4" NPT on both sides of the body		
Gauge port	Body: zinc die-cast		
Material	Inner valve: stainless steel and brass		
	Mounting position	any, preferably upright	
	Temperature range	-18 °C to 60 °C / 0 °F to 140 °F	
	Elastomer:	NBR/Buna-N	
	Mounting bracket:	black-coated steel	



1/4" NPT, 280 l/min

Dimensions	Power	Flow	Switching	Connection	Pressure	Order
A B C	consumption	rate	time	thread	range	number
mm mm mm	W	l/min*1	s	NPT	bar	

Motorised pressure regulator					P ₁ max. 10 bar, relieving, with constant bleed, control signal 24 V DC, 6 rpm			P180
62	195	14	6	280	40	1/4" NPT	0.14 ... 1.8	P180-02AV
					30		0.14 ... 4.0	P180-02BV
					50		0.14 ... 8.0	P180-02CV



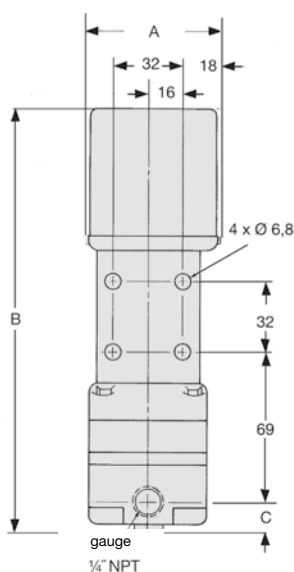
P180

Special options, add the appropriate letter

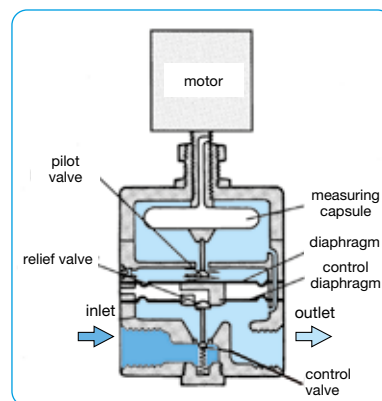
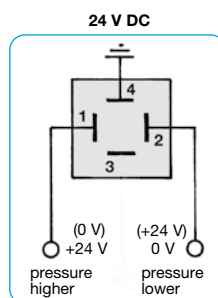
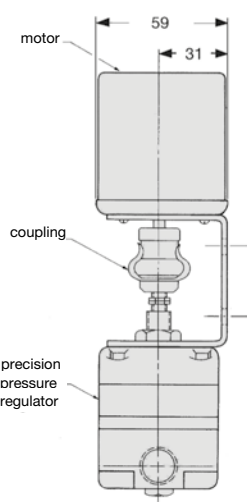
higher exhaust	two times greater than standard	P180-02 . H
DIN connector	connection with DIN plug 30x30 mm	P180-02 . D

Accessories, enclosed

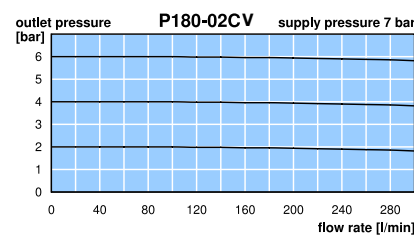
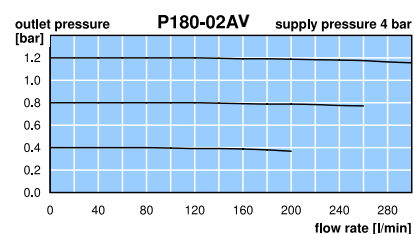
pressure gauge	Ø 50 mm, 0 ... *2 bar, G1/4, connecting parts necessary	MA5002-..*2
gauge connecting parts	adapter 1/4" NPT - R1/4 f	VP-0202N



P180



cross-section



*1 at 7 bar supply pressure and 6 bar outlet pressure
*2 02 = 0 ... 2.5 bar, 06 = 0 ... 6 bar, 10 = 0 ... 10 bar