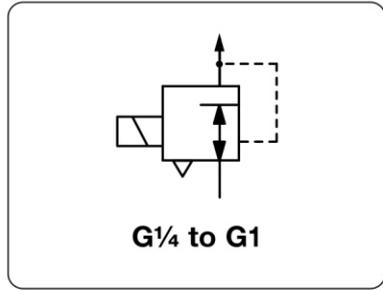


PG - Régulateur de pression proportionnel sans électronique et sans capteur de pression interne, pour boucle de régulation externe

Description	Proportional pressure regulator without integrated control electronics and without internal pressure sensor. The setpoint is given to the solenoid as a 24V PWM signal. The output pressure of the proportional pressure controller can be measured with an external sensor. This turns an „open“ control loop into a closed control loop.
Media	dry, lubricated or non-lubricated and 50 µm filtered compressed air or neutral gases
Signal voltage	24 V DC +/-10%
PWM frequency	G¼: 330 to 1000 Hz G½ and G1: 330 to 700 Hz
Rated current	DN6: 1000 mA (24 W); DN12: 1400 mA (34 W); DN20: 1800 mA (44 W)
Electrical connector	Coupling socket according to DIN 43650
Accuracy	depending on the quality of the external sensor and the design of the control loop, < 1% possible
Regulating time	1s over the control range, 70 ms over 90% of the range at 0 liter volume
Mounting position	vertical
Temperature range	Ambience: -10 °C bis +60 °C / 14 °F to 140 °F Protection class: IP 65
Material	Body: Aluminium Inner valve: stainless steel and brass Elastomer: NBR/Buna-N



Dimensions			Nominal size	K _v -value	Flow rate	P1 max.	Connection thread	Pressure range	Order number
A	B	C	DN	(m³/h)	l/min*1	bar	G	bar	
mm	mm	mm							

Proportional pressure regulator						without electronics	PG			
52	115	35	6	0.6	700	8	G¼	0 ... 6	6	PG2-0600
						16		0 ... 16	16	PG2-1600
70	151	45	12	1.2	1400	12	G½	0 ... 12	12	PG4-1200
96	188	60	20	4.8	5600	12	G1	0 ... 10	10	PG8-1000



PG2

Special options, add the appropriate letter

FKM elastomers PG . - . . . V



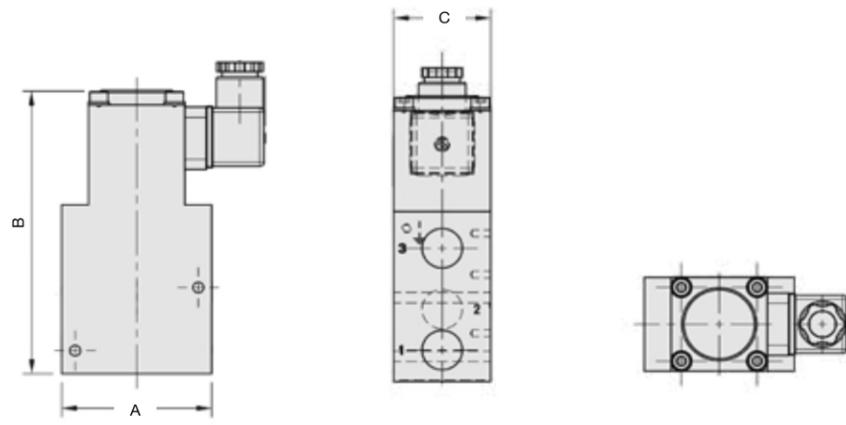
PG4

Accessories, enclosed

Plug amplifier Electrical connection M12, 5-pin
 Configuration via PC interface and programming adapter
 or alternatively via switches integrated in the line socket.
 Supply voltage: 24 V DC Rated current: max. 1.1 A
 command signal: 0-10V for PG2 **PVY-02U**
 command signal: 4-20mA for PG2 **PVY-02I**



**Plug amplifier
PVY-02.**



PG4

- 1: Input
- 2: Output
- 3: Exhaust

