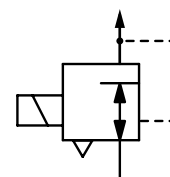


Description	Proportional pressure regulator without integrated control electronics and without internal pressure sensor. The setpoint is given to the solenoid as a 24V PWM signal. The output pressure of the proportional pressure controller can be measured with an external sensor. This turns an „open“ 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		
Material	Body: Aluminium	Inner valve: stainless steel and brass	Elastomer: NBR/Buna-N



G¼ to G1

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							E*

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



PG2

Special options, add the appropriate letter

FKM elastomers

PG . - . . . V



PG4

Accessories, enclosed

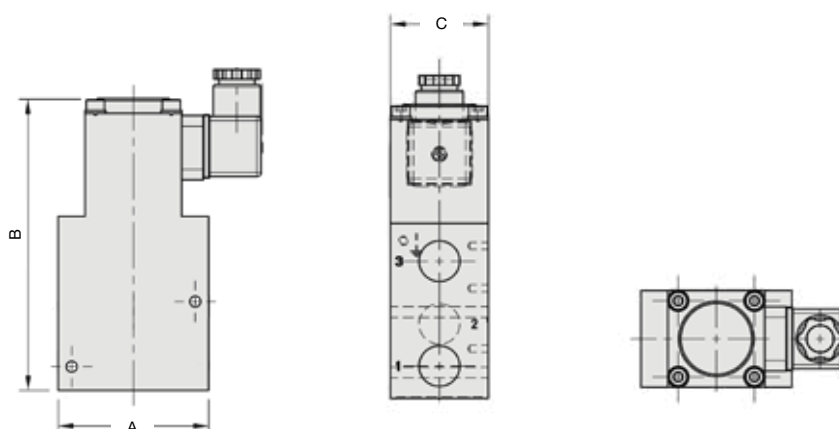
Plug amplifier

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
command signal: 4-20mA

for PG2 PVY-02U
for PG2 PVY-02I



Plug amplifier
PVY-02.



PG4

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

