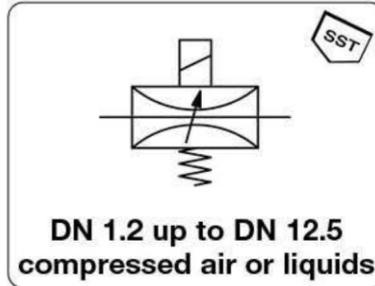


# PV202 - PV203 - Electrovanne proportionnelle pour le contrôle de débit

<b>Description</b>	The proportional flow valve can be controlled either by 24 V DC or optionally by a plug amplifier with switchable signals.			
<b>Media</b>	50 µm filtered compressed air, vacuum, non-corrosive gases or liquids			
<b>Plug amplifier</b>	Conversion of the analogue signal into a pulse-wide modulated current.			
<b>Electrical connector</b>	Supply voltage:	24 V DC, max. 1.1 A	Adjustment:	zero point and range
	Switchable signal:	0...10 V, 0...20 mA, 4...20 mA	Time ramp:	0.1 to 3 s selectable
	Close function:	< 2% of max. signal	Hum frequency:	40 to 700 Hz selectable
<b>Protection class</b>	plug, 3-pin, with coupling socket (Pg 9P or PG 11P)			
<b>Temperature range</b>	IP 65 with coupling socket			
<b>Viscosity max.</b>	at G <sub>1/2</sub> : 0 °C to 50 °C / 32 °F to 122 °F		<b>Operating pressure</b>	see chart, max. 12 bar
	-10 °C to 90 °C / 14 °F to 194 °F		<b>Mounting position</b>	any
<b>Power consumption</b>	PV202, G <sub>1/8</sub>	PV202, G <sub>1/4</sub> / G <sub>3/8</sub>	PV203, G <sub>1/2</sub> / G <sub>3/4</sub>	
<b>Hysteresis / Sensitivity</b>	100...450 mA, 8.6 W	21 mm <sup>2</sup> /s	40 mm <sup>2</sup> /s	
<b>Repeatability</b>	< 5% FS / < 1% FS	100...500 mA, 11 W	100...500 mA, 11 W	
<b>Body / Inner valve</b>	brass/SST, PTFE, FKM	< 5% FS / < 2% FS	< 7.5% FS / < 2% FS	
		< 3% FS	< 3% FS	
		brass/SST, PTFE, FKM	brass/SST, PTFE, NBR/Buna-N	



Dimensions			Media	Nominal size	K <sub>v</sub> -value	Flow rate	Supply max.	Connection thread	Order number
A	B	C	A: air W: water	DN	(m <sup>3</sup> /h)	l/min*1	bar	G	
mm	mm	mm							

Proportional flow valve			24 V DC, direct control, without amplifier, with coupling socket, made of brass					PV202 / PV203	
25	78	8	A	1.2	0.05	0... 70	8.0	G <sub>1/8</sub>	PV202-1-12
				1.6	0.07	0...110	6.0		PV202-1-16
				2.4	0.13	0... 70	4.0		PV202-1-24
				3.2	0.18	0...105	2.5		PV202-1-32
40	95	20	A/W*3	1.2	0.05	0... 60	16	G <sub>1/4</sub>	PV202-2-12
				2.4	0.12	0...110	8.0		PV202-2-24
				3.2	0.24	0...170	4.0		PV202-2-32
				4.0	0.42	0...280	2.5		PV202-2-40
				5.6	0.72	0...310	1.4		PV202-2-56
				7.1	0.90	0...390	1.0		PV202-2-71
48	97	14	A/W*3	3.2	0.24	0...190	4.0	G <sub>3/8</sub>	PV202-3-32
				4.0	0.42	0...300	2.5		PV202-3-40
				5.6	0.72	0...330	1.4		PV202-3-56
				7.1	0.90	0...420	1.0		PV202-3-71
52	105	14	W	12.5	2.10	0... 35*2	10	G <sub>3/4</sub>	PV203-3-125W
				12.5	2.10	0... 37*2	10	G <sub>1/2</sub>	PV203-4-125W

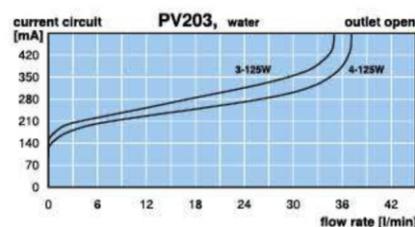
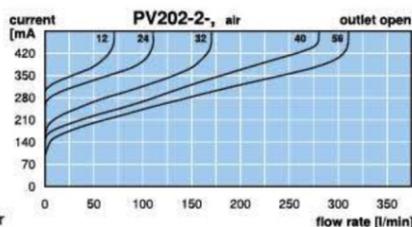
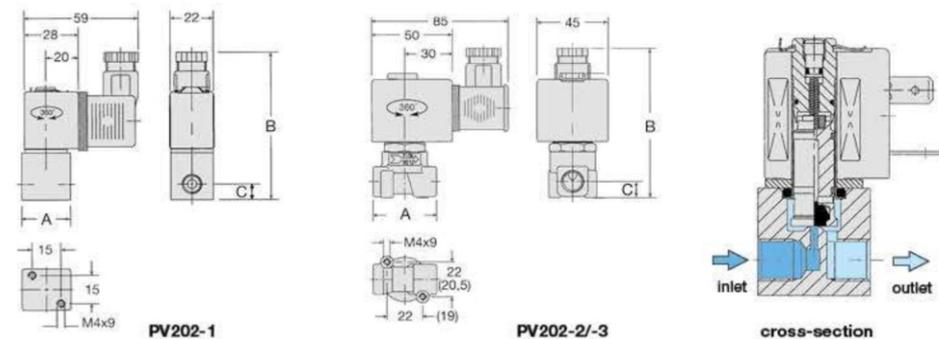


## Special options, add the appropriate letter

for water or oil		for PV202, G <sub>1/4</sub> and G <sub>3/8</sub>	PV202-...W
stainless steel body	NPT connection thread, FKM elastomere	for PV202	PV202-...S
12 V DC	voltage signal		PV20-...12V

## Accessories, enclosed

plug amplifier	24 V DC, switchable 0-10 V, 0-20 mA, 4-20 mA	for PV202, G <sub>1/8</sub>	PVY-03
		for all others	PVY-04
plug amplifier	12 V DC, switchable 0-10 V, 0-20 mA, 4-20 mA	für PV202, G <sub>1/8</sub>	PVY-08
		for all others	PVY-09



\*1 for compressed air at operating pressure 6 bar and Δp = 1 bar  
 \*2 flow rate for water since valve is pilot-controlled  
 \*3 for liquids add W to order number of type PV202-2/-3