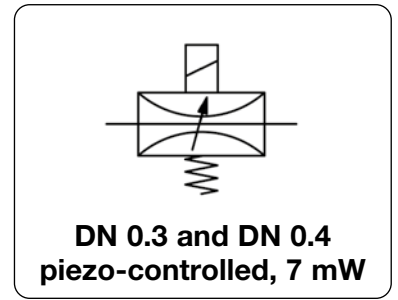


<b>Description</b>	The piezo miniature flow valve is highly reliable and combines precise control of flow rates with power consumption under 7 mW. It is extremely compact and weighs only 23 g. Therefore, it is very suitable for battery-operated portable devices. Preferred application in medical engineering. Electronics are not necessary.	
<b>Media</b>	50 µm filtered compressed air or non-corrosive gases	
<b>Flange connection</b>	according to CNOMO E06.36.120N (15 x 15 mm) or CNOMO E06.05.80 (30 x 30 mm) with adapter see chart, max. 8 bar	
<b>Operating pressure</b>	0...40 V DC, residual ripple < 10%, without reverse voltage protection	
<b>Supply voltage</b>	plug, contact gap 9.4 mm, 3-pin, with coupling socket (Pg 7P), optionally with wire, red (+), black (-)	
<b>Electrical connector</b>	Note: The current is to be limited by a > 30 Ω resistor connected in series.	
<b>Note</b>	< 1 billion switching cycles at 6 bar	
<b>Life cycle</b>		
<b>Power consumption</b>	< 100 µA, i.e. 7 mW	<b>Switch-on consumption</b> 0.6 W
<b>Response time</b>	50 ms	<b>Protection class</b> IP 65 with coupling socket
<b>Mounting position</b>	any	<b>Temperature range</b> 0 °C to 60 °C / 32 °F to 140 °F
<b>Material</b>	Body: PPS plastic	Elastomer: NBR/Buna-N
	Inner valve: piezoelectric ceramics	Manifold block: brass (M5), zinc die-cast (G½), polyamide (Ø4)



Description	Dimensions			K <sub>v</sub> -value	Flow rate	Operating pressure	Nominal size	Order number
	A	B	C	(m³/h)	l/min*1	max. bar	DN	
	mm	mm	mm					

Flow valve	flangeable without manifold block, with coupling socket, 0-40 V DC								PV630
	NC	A	B	C	K <sub>v</sub> -value	Flow rate	Operating pressure	Nominal size	
		15	48	51	0.005	0...6	8	0.3	PV630-03
					0.006	0...7	4	0.4	PV630-04
	NO	15	48	51	0.005	0...6	8	0.3	PV631-03
					0.006	0...7	4	0.4	PV631-04



**Special options,** add the appropriate letter

w/o coupling socket protection class IP00 PV63.-0.X

with wire length 1 m, red (+), black (-) PV63.-0.L



**Accessories,** enclosed

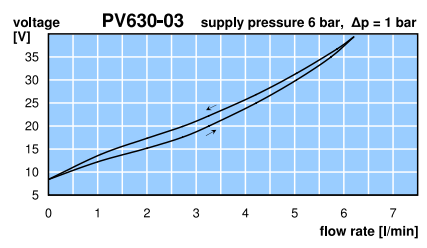
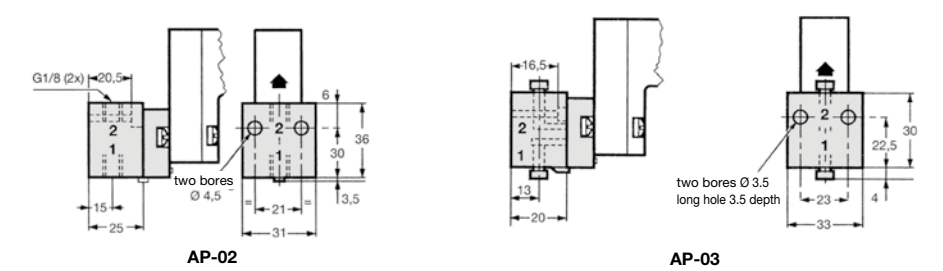
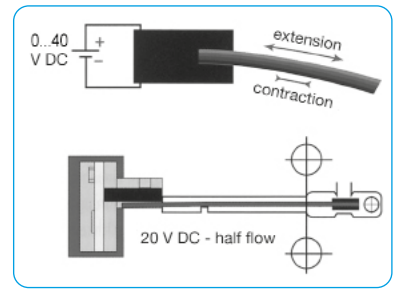
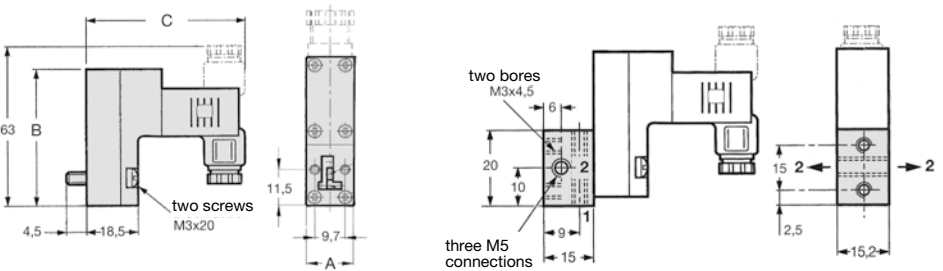
manifold block M5 AP-01

G½ AP-02

Ø4 AP-03

in-line manifold block Ø4 AP-04

G½ AP-05



\*1 at operating pressure 6 bar and Δp = 1 bar