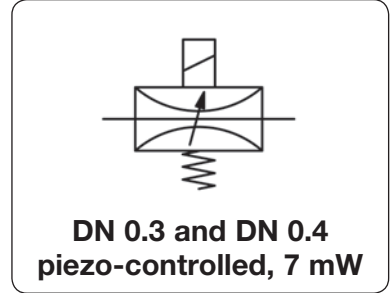


Description	The piezo miniature flow valve is highly reliable and combines precise control of flow rates with power consumption under 7 mW. It is extremely compact and weighs only 23 g. Therefore, it is very suitable for battery-operated portable devices. Preferred application in medical engineering.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



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

Flow valve	flangeable without manifold block, with coupling socket, 0-40 V DC						PV630	
	NC	15	48	51	0.005	0...6		8
				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



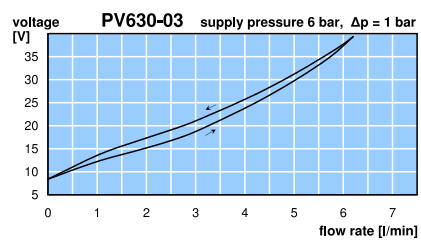
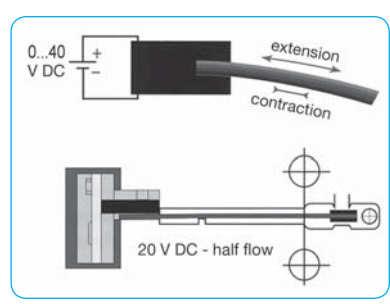
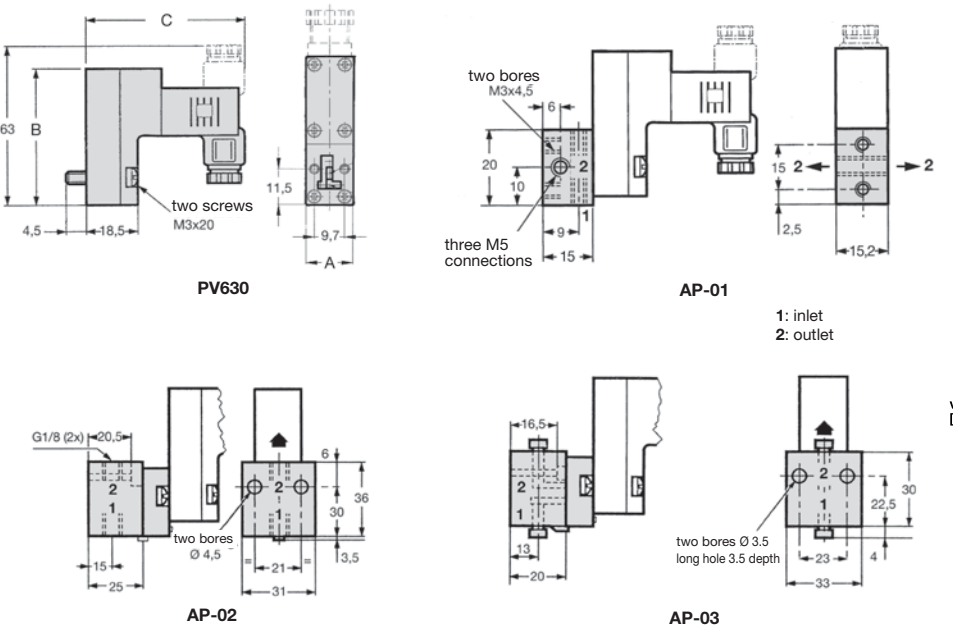
Special options, add the appropriate letter

w/o coupling socket	protection class IP00	PV63.-0.X
with wire	length 1 m, red (+), black (-)	PV63.-0.L



Accessories

manifold block	M5	AP-01
	G½	AP-02
	Ø4	AP-03
in-line manifold block	Ø4	AP-04
		AP-05



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