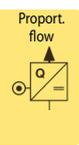


Miniature Piezo Proportional Flow Valve, 7 mW

PV640 / PV641



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.

Media

50 µm filtered compressed air or non-corrosive gases

Flange connection

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

Operating pressure

0...40 V DC, residual ripple < 10%, without reverse voltage protection

Supply voltage

plug, contact gap 9.4 mm, 3-pin, with coupling socket (Pg 7P), optionally with wire, red (+), black (-)

Electrical connector

Note: The current is to be limited by a > 30 Ω resistor connected in series.

Life cycle

< 1 billion switching cycles at 6 bar

Power consumption

< 100 µA, i.e. 7 mW

Response time

50 ms

Mounting position

any

Material

Body: PPS plastic Elastomer: NBR/Buna-N
Inner valve: piezoelectric ceramics Manifold block: brass (M5), zinc die-cast (G½), polyamide (Ø)

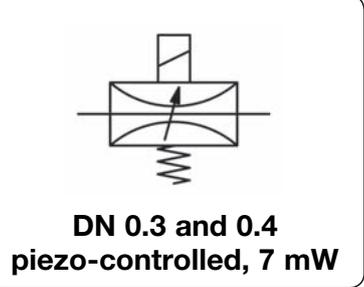
Switch-on consumption

0.6 W IP 65 with coupling socket

Protection class

0 °C to 60 °C / 32 °F to 140 °F

Temperature range



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

Flow valve	flangeable, without manifold block, with coupling socket, 0...40 V DC				PV640				
	NC		15	48	51	0.005	0...6	8	0.3
					0.006	0...7	4	0.4	PV640-04
NO		15	48	51	0.005	0...6	8	0.3	PV641-03
					0.006	0...7	4	0.4	PV641-04



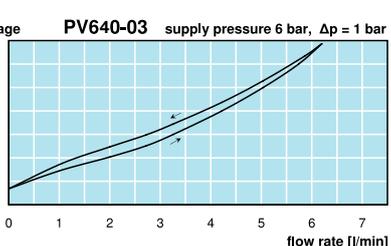
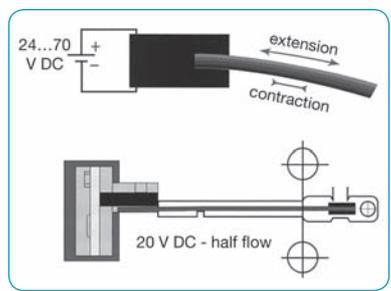
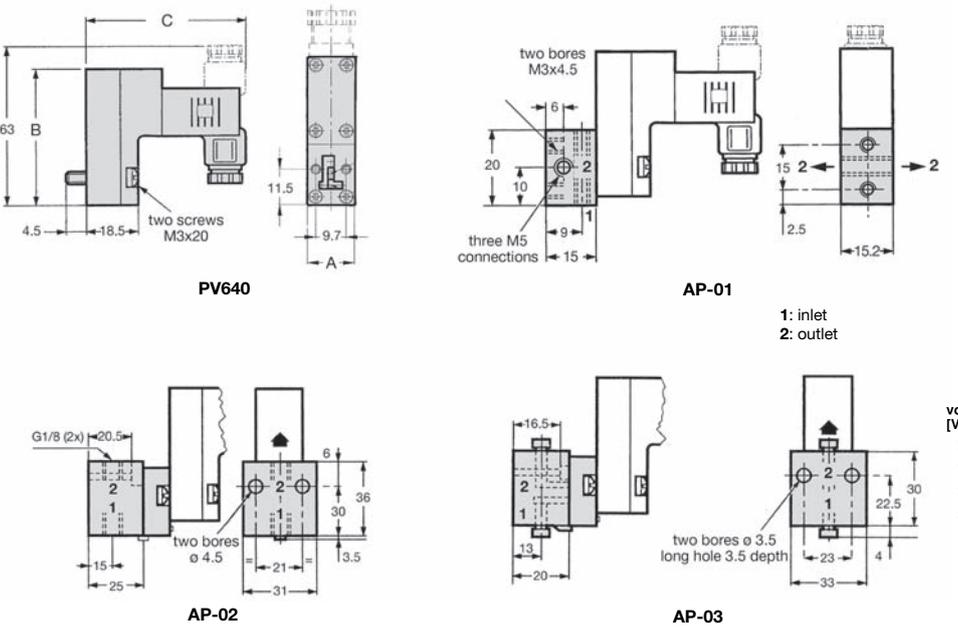
Special options, add the appropriate letter

w/o coupling socket	protection class IP 00	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
		AP-05
	G½	



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



Order example:
PV640-03
China website: www.duray-control.cn