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Find the *Edwards PV10PKA* at our website: *Click HERE*

PVPK PNEUMATIC OPERATION RIGHT ANGLE ISOLATION VALVES



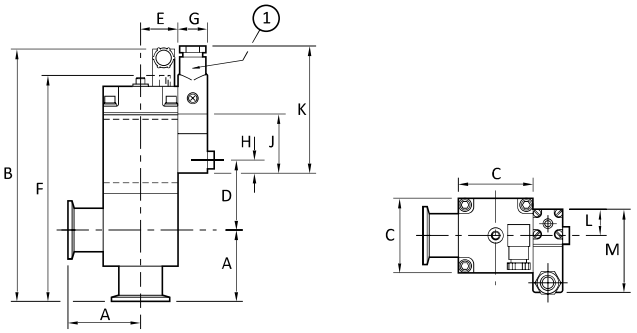


The range of single acting cylinder, spring return pipeline valves is designed for high speed actuation from standard pneumatic lines, and are offered in sizes NW10, 16, 25, 40 and 50. They are available with aluminium or stainless steel bodies with either O-ring (shaft seal Aluminium only) or bellows seal.
The valves are designed for long life duties, with a MTTF of 5000000 cycles for both bellows and 'O' ring sealed versions providing long intervals between services.

Features and Benefits

- Improved lifetime, mean-time-to-failure now 5000000 cycles
- Electrical and visual indication of valve status
- Fast acting - 20 ms to close (PV16)
- Available in aluminium or stainless steel
- Choice of bellows or 'O' ring shaft sealing with alumini

PVPK Dimension



	A	B	C	D	E	F	G	H	J	K	L	M
PV10PK	30	139.5	38	41	25	122	20	10	40	88	19	59
PV16PK	40	149.5	38	41	25	132	20	10	40	88	19	59
PV25PK	50	171.3	50.8	47.6	28	153.7	20	10	40	88	19	59
PV40PK	65	200.6	76.2	57.8	41	183	20	10	40	88	19	59
PV50PK	70	218	92	70	41	200	20	10	40	88	19	59

Technical Data

	PVPK	
Valve actuation type	Single acting, pneumatically opened, spring closed	
Pressure range	1 x 10^{-9} to 2100 mbar / 8 x 10^{-10} to 1575 Torr	
Max pressure differential		
Opening	1000 mbar / 750 Torr	
Closing	2100 mbar / 1575 Torr	
Leak rate	< 1 x 10^{-9} mbar ls^{-1} / < 8 x 10-10 Torr ls^{-1}	
Pneumatic connector	Rp 1/8 (1/8 inch BSP) *	
Pneumatic operating pressure	2.8 to 4.2 bar / 41 to 61 psi	
Electrical indicator	Single microswitch ‡	
Microswitch electrical rating	24 V, 1.5 A a.c. or d.c.	
Max cycle frequency	900 h^{-1}	
Bellows reliability, MTTF	5000000 cycles	
Ambient operating temp	5 - 100 °C	
Maximum baking temp	100 °C	
Construction materials		
PVPKA	HE30TF aluminium	
PVPKS	AISI304 stainless steel	
Bellows	AISI316L stainless steel	
O-ring	Fluoroelastomer	
Molecular conductance (ls^{-1})	Right angled	
PV10PK	3	
PV16PK	4	
PV25PK	10	
PV40PK	40	
PV50PK	50	
	Time to open (ms)*	Time to close (ms)*
PV10/16PK	60	20
PV25PK	15	41
PV40PK	50	155
PV50PK	50	155
Weight	Aluminium	Stainless Steel
PV16PK	310g / 10.9oz	520g / 18.2oz
PV25PK	610g / 21.4oz	980g / 34.3oz
PV40PK	1500g / 52.5oz	2300g / 80.5oz
PV50PK	2000g / 70.5oz	4000g / 140oz

* With optional control valve fitted

Ordering information



Product description	Order no:
PV10PKAO, O-ring sealed, aluminium	C41113000
PV10PKA, bellows sealed, aluminium	C41111000
PV16PKAO, O-ring sealed, aluminium	C41213000
PV16PKA, bellows sealed, aluminium	C41211000
PV16PKS, bellows sealed, stainless steel	C41215000
PV25PKAO, O-ring sealed, aluminium	C41313000
PV25PKA, bellows sealed, aluminium	C41311000
PV25PKS, bellows sealed, stainless steel	C41315000
PV40PKAO, O-ring sealed, aluminium	C41413000
PV40PKA, bellows sealed, aluminium	C41411000
PV40PKS, bellows sealed, stainless steel	C41415000
PV50PKA, bellows sealed, aluminium	C41510000
PV50PKS, bellows sealed, stainless steel	C41515000

Spares Kit Valve Seals

Product description	Order no:
Spares Kit Valve Seals PVPK10/16	C41111800
Spares Kit Valve Seals PV25PK	C41311800
Spares Kit Valve Seals PV40PK	C41411800

O-Ring kit

Product description	Order no:
PV50MK O-Ring kit	C41501800

Service

Edwards products, spares and accessories are available from Edwards companies in Belgium, Brazil, China, France, Germany, Israel, Italy, Japan, Korea, Singapore, United Kingdom, U.S.A. and a world-wide network of distributors.

The majority of these centres employ Service Engineers who have undergone comprehensive Edwards training courses.
Order spare parts and accessories from your nearest Edwards company or distributor.
When you order, please state for each part required:

- Model and Item Number of your equipment.
- Serial number (if any).
- Item Number and description of the part.

Top Cap Assembly

Product description	Order no:
Top Cap Assembly PV10/16P	C41111821
Top Cap Assy PV25P	C41311821
Top Cap Assembly PV40P	C41411821

Actuator

Product description	Order no:
PV10P O Ring Actuator Assembly	C41113035
PV25P O Ring Actuator Assembly	C41313035
PV40P O Ring Actuator Assembly	C41413035
Bellows Actuator Assy PV10P	C41111035
Bellows Actuator Assy PV25P	C41311035
Bellows Actuator Assy PV50P	C41515035
Bellows Actuator Assy PV40P	C41411035

Valve Body

Product description	Order no:
Valve Body PV10KA	C41101816
Valve body PV16KA	C41201816
Valve Body PV16KS	C41602801
Valve Body PV25KA	C41301816
Valve Body PV25KS	C41622801
Valve Body PV40KA	C41401816
Valve Body PV40KS	C41642801
Valve body PV50KA	C41662816
Valve Body PV50KS	C41662801

Electropneumatic Control Valve

Product description	Order no:
3 Port Electropneumatic Control Valve 24V d.c.	H06200124
3 Port Electropneumatic Control Valve 24V a.c.	H06200125
3 Port Electropneumatic Control Valve 110V a.c.	H06200126
3 Port Electropneumatic Control Valve 230V a.c.	H06200138

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