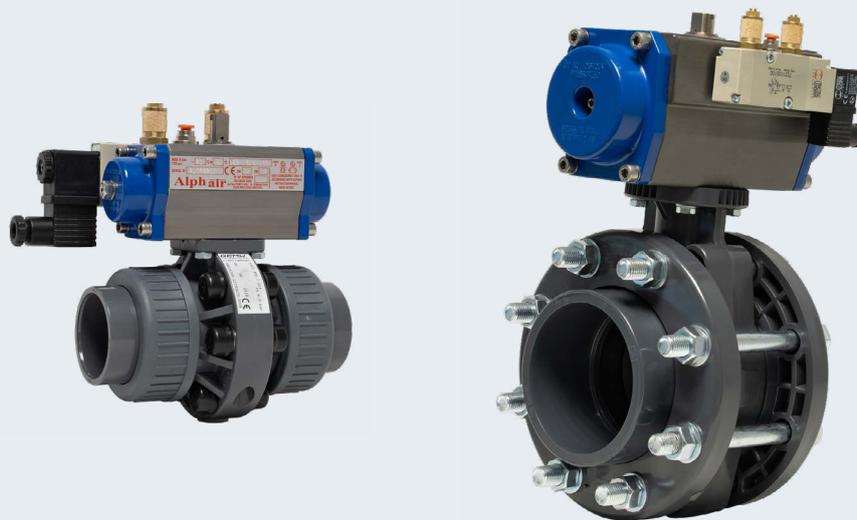


ENVALVE SERIE PVK 20 - 200 MM



pneumatically operated single butterfly valves



[Motorized / pneumatic control valves](#) [Fittings](#)

Description

Envalve pneumatic butterfly valves are designed to isolate flow. As they are pneumatically operated, they can be controlled remotely. The butterfly valves are made from PVC and have been provided with an EPDM gasket to enable them to withstand contact with corrosive substances. The valves are also available with a Viton® FPM gasket.

Advantages

- o Ample throughput capacity
- o Low loss in pressure
- o Bidirectional flow
- o Little installation space needed
- o Few parts
- o Emergency manual operation available

The butterfly valves are designed to work as an isolating mechanism in a system or process in which a liquid medium is used. To operate the valve, the axle is connected to a pneumatic motor, also called an actuator. This actuator is rotated either clockwise or anti-clockwise by means of compressed air. When the control valve is activated, it switches over the air support to the actuator and changes to a new position (open).

The supply voltage of the control valve is 24VAC or 24VDC or 230VAC. The control valve is mono-stable, which means that if the power supply is cut off the control valve will automatically return to its default position (closed). Butterfly valves models 20 - 63 are provided with union nuts with a collar and O-ring. Valves model 75 - 200 are provided with flanges and collars. The gasket of the valve also serves as a seal. The valves are provided with 5/2 control valves, which is provided with needle control valves to regulate the speed of closing and/or opening. When using lubricants in the air circuit, always ensure that the NBR is used with the oil. Extra option: a valve position indicator.

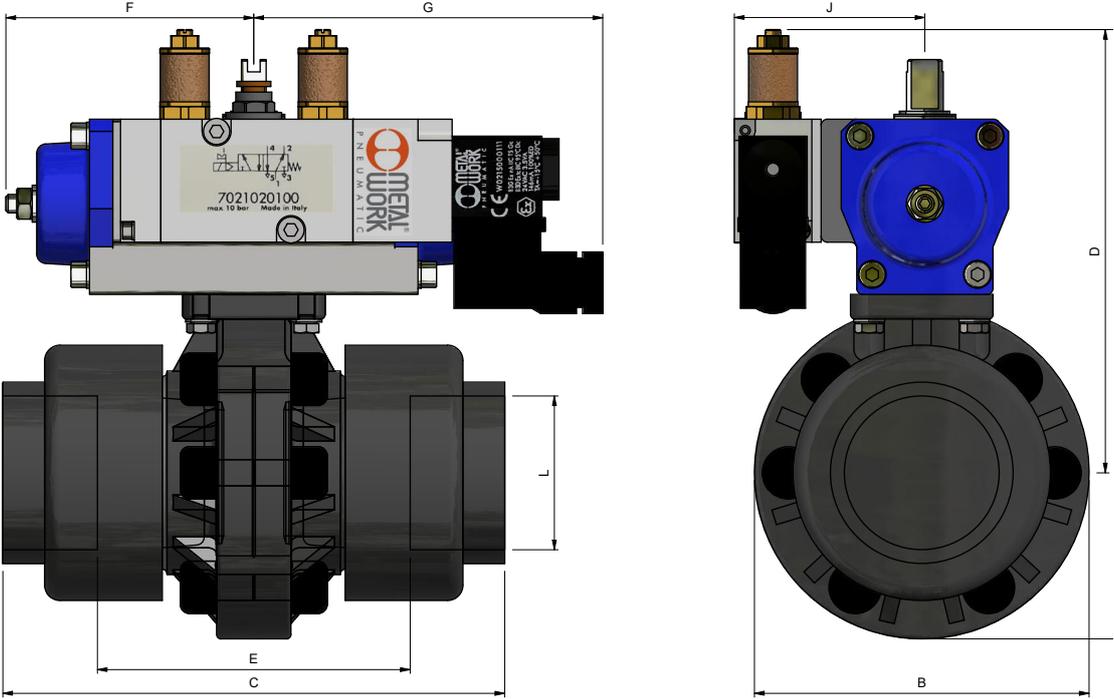
Description of the models

- o PVK: 1 valve – 1 pneumatic motor

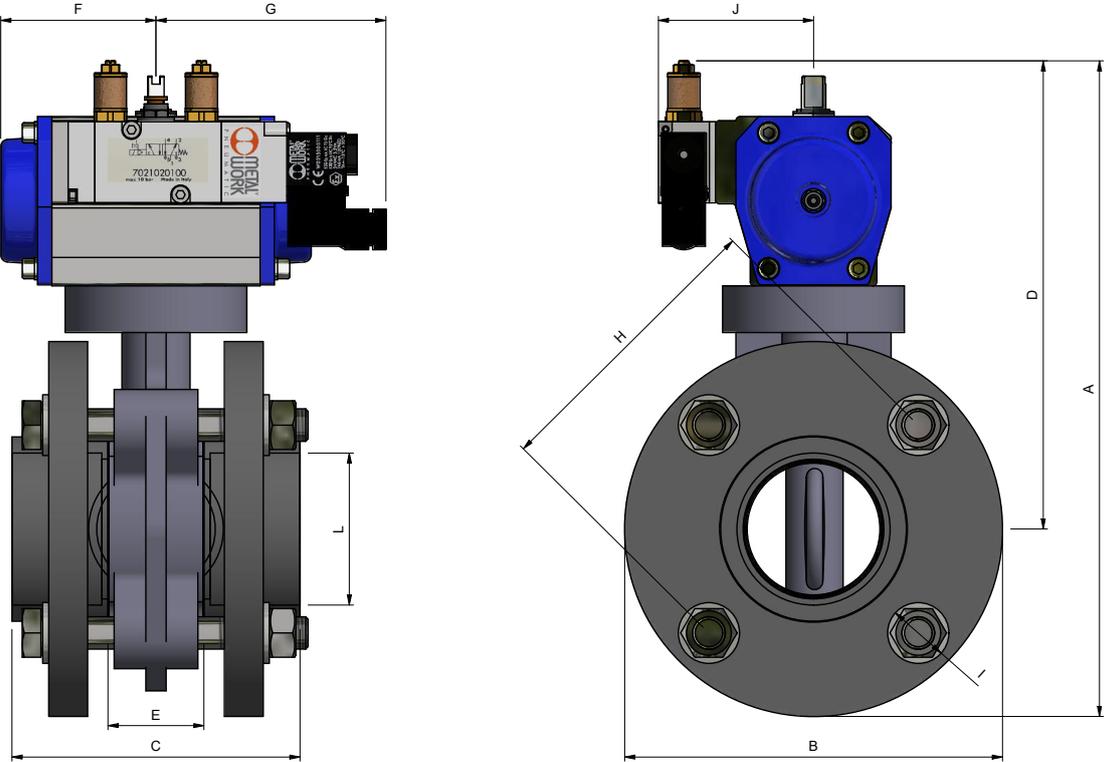


ENVALVE PVK 20 - 200 MM

Dimensions PVK 20-63 GAP



Dimensions PVK 75-200 FAP





Dimensions PVK 20 - 200 GAP/FAP

PVK 20 T/M 200 (mm)											
VALVE TYPE	DN	A	B	C	D	E	F	G	H	J	L
20	15	176	80	112	136	80	80	113		62	20
25	20	175	80	118	135	80	80	113		62	25
32	25	175	80	124	135	80	80	113		62	32
40	32	192	96	138	144	86	80	113		62	40
50	40	198	108	162	144	101	80	113		62	50
63	50	223	126	188	160	112	80	113		62	63
75	65	324	185	141	232	46	76	113	145	77	75
90	80	361	200	162	261	49	103	113	160	80	90
110	100	394	220	193	284	56	115	< F	180	83	110
125	110	442	235	213	322	64	138	< F	190	93	125
160	150	478	285	253	336	70	138	< F	240	93	160
200	200	562	322	298	401	71	155	< F	270	99	200

Technical specifications motor

ACTUATOR TYPE	AP
PNEUMATIC MOTOR	
MIN. CONTROL PRESSURE	10 bar
AMBIENT TEMPERATURE	0.. + 50 °C
ASSEMBLY POSITION	SEE USER MANUAL
CONTROL VALVE	
VOLTAGE	230 V - 24VAC/24VDC
FREQUENCY	50 Hz or 60 Hz
POWER	5 W (ATTRACTING 9 W)
PROTECTION CLASS	IP65
OPERATING CONDITION	100% ED
BEDRIJFSTOESTAND	100% ED

Hydraulic and dimensional data

TYPE	SIZE (mm)	DN	Kv VALUE (L/hour)	WEIGHT (kg)	Minimum required air pressure (bar)
PVK 20	20	15	117	< 3,0	3,6
PVK 25	25	20	217	< 3,0	3,6
PVK 32	32	25	283	< 3,0	3,6
PVK 40	40	32	550	< 3,0	4,8
PVK 50	50	40	933	< 3,0	4,7
PVK 63	63	50	1233	< 3,0	5,0
PVK 75	75	65	1700	4,0	3,3
PVK 90	90	80	3550	8,0	2,8
PVK 110	110	100	5900	9,0	2,9
PVK 125	125	110	9850	9,5	2,7
PVK 160	160	150	18700	10,0	4,1
PVK 200	200	200	30500	14,0	3,9

Technical specifications valve

VALVE 20 - 63	
PLASTIC 2-WAY, UNION NUTS & COLLARS	
HOUSING	PVC
GASKET	EPDM
MAX. PRESSURE	6 BAR AT 20 °C
MAX. AMBIENT TEMPERATURE	60 °C

Technical specifications valve

VALVE 75 - 200	
PLASTIC 2-WAY; FLANGES WITH BOLTS AND NUTS	
HOUSING	PVC
GASKET	EPDM
MAX. PRESSURE	10 BAR AT 20 °C
MAX. AMBIENT TEMPERATURE	60 °C