



PKV-50

PNEUMATIC CONTROLLED ON/OFF VALVE

GENERAL FEATURES

Pneumatic valve works by moving single acting piston with air controlled actuator. Normally closed position. When the air moves to actuator, the piston moves upwards and the valve is opened. When the air is cut off, the piston is pushed through the spring and the valve is brought to the closed position. It is Y type valve as shown.

Applications:

Textile printing and painting
Drug and medical equipment
Food Facilities
Organic and inorganic chemical industry
Water / sewage discharge
Paper factories
Iron and steel factories

Fluids:

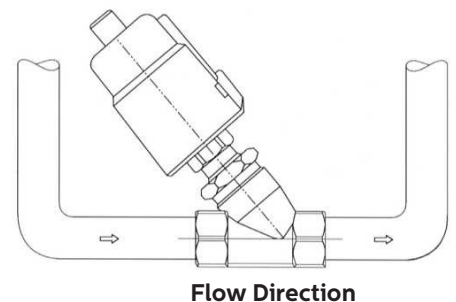
- Water
- Hot water
- Steam
- LPG, pressured gasses
- Gases such as oxygen, hydrogen and nitrogen
- Various chemical fluids

Installation:

Correct selection of installation should be done according to appropriate conditions. The arrow mark on the body must be in the direction of flow. It can be mounted in every direction. But in order to understand the open / closed position, it is beneficial that the drive head is in the place to be seen.

Advantages:

- Easy to use
- Easy installation
- Low energy consumption
- Long working life
- Reliability
- High Sealing
- Flow Control



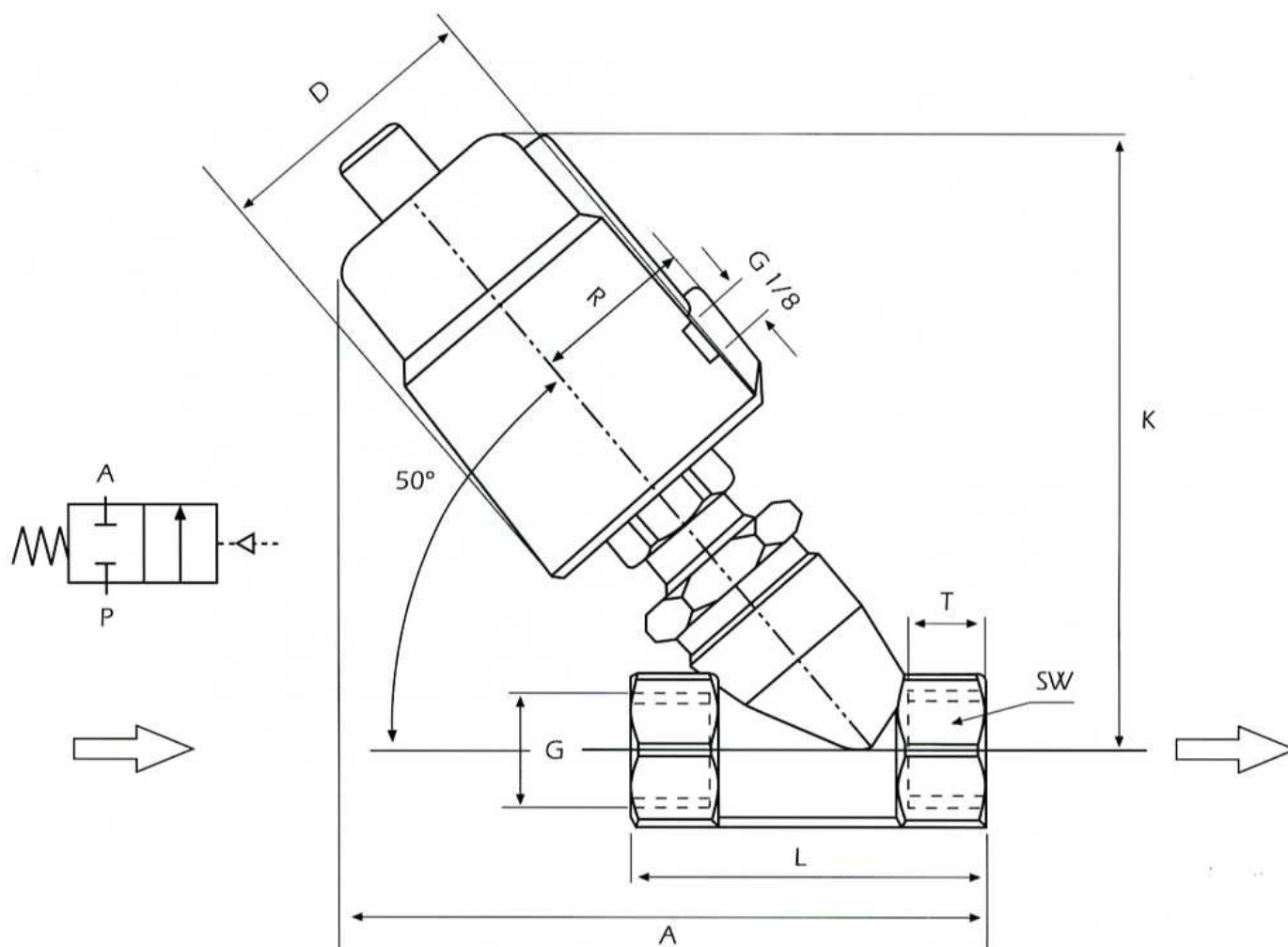
Technical Specifications

Body	AISI 316 Stainless Steel
Connection	Threaded
Gasket	PTFE
Max. Working Pressure	16 bar
Max. Working Temperature	180°C
Air Supply Pressure Range	3-8 bar

Diameter

DN (mm)	inch
15-50	1/2" - 2"

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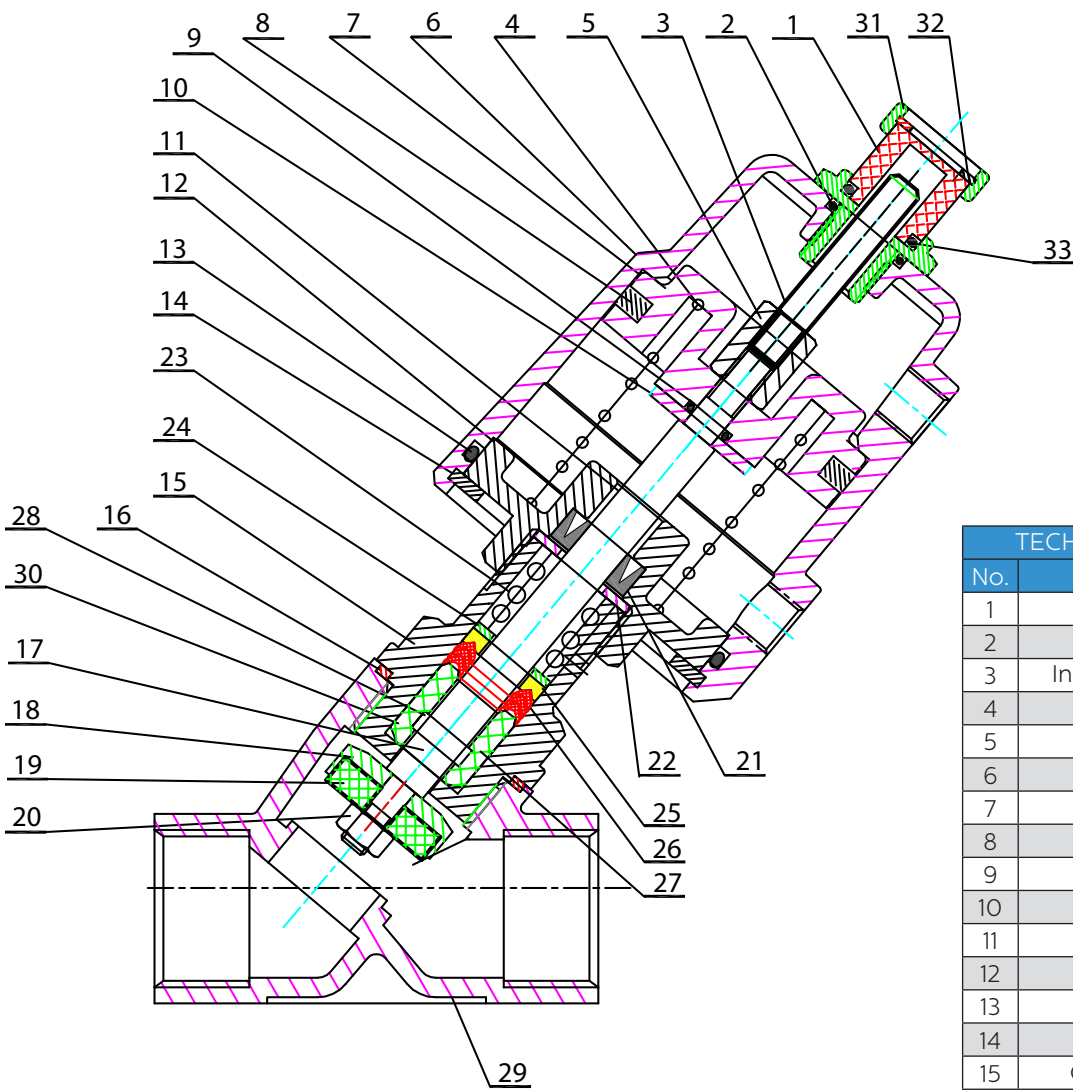


DIMENSIONS						
Joint Size	Inner Hole	Kv (m ³ /h)	Working Pressure(bar)	Control Pressure(bar)	Actuator (mm)	Weight (kg)
G 1/2	13	4,70	0- 16	3 - 8	50	1,3
G 3/4	18	9,50	0- 16	3 - 8	50	1,4
G 1	24	18,10	0- 16	3 - 8	50	1,7
G 1	24	18,10	0- 16	3 - 8	63	2,7
G 1 1/4	31	23,10	0- 16	3 - 8	63	3,2
G 1 1/2	35	32,90	0- 16	3 - 8	63	3,6
G 2	45	52,80	0- 16	3 - 8	63	4,9

DIMENSIONS									
Joint Size	Actuator (mm)	A	D	G	K	L	SW	R	T
G 1/2	50	133	60	1/2"	126	68	26,6	35	15
G 3/4	50	137	60	3/4"	131	75	32	35	16
G 1	50	149	60	1"	140	90	39,5	35	17
G 1	63	174	77	1"	165	90	39,5	43	17
G 1 1/4	63	188	77	1 1/4"	175	116	50	43	21
G 1 1/2	63	190	77	1 1/2"	178	120	55,3	43	20
G 2	63	203	77	2"	184	138	70	43	22

Solenoid guide valve should be ordered separately.

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TECHNICAL SPECIFICATIONS		
No.	Part	Material
1	Cover	PC
2	O-Ring	NBR
3	Indication Rod	Nylon
4	Spring	65Mn
5	Nut	AL
6	Cylinder	Cf8
7	Piston	AL
8	Piston Seal	FPM
9	O-Ring	NBR
10	Washer	304
11	Bearing	Alloy
12	Cover	CF8
13	O-Ring	NBR
14	Check Ring	304
15	Connection	CF8M
16	Body Seal	PTFE
17	Valve Rod	316
18	Valve Core	CF8M
19	Core Seal	PTFE
20	Hex Nut	316
21	Y-Ring	FPM
22	Washer I	304
23	Spring 304	304
24	Washer II	304
25	Rod Seal I	PTFE
26	Rod Seal II	PTFE
27	Rod Seal III	PTFE
28	O-Ring	FPM
29	Valve Body	CF8M
30	O-Ring	FPM
31	SS Cage	CF8
32	Check Ring	CF8
33	O-Ring	NBR

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