

Angle Seated Valve for Sanitary Applications

Function Principle:

- Angle seated valves are externally actuated Valves. These valves are actuated by a direct Supply of compressed air.
- In this process ,the seat of the process valves is raised by means of a pneumatic actuator.
- When the actuator is subjected to operating pressure, it raises the piston and at the same time, valve disc too-the valve opens.

Standard End: Threaded, Tube end and TC end etc.

Size Range: 0.5"-2.5"

Applications:

- Beverage filling
- Textile Printing & Dyeing
- Natural Gas
- Pharma and medical
- Chemical equipment
- Water/Sewage disposal
- Boilers

Advantages:

- Large flux, low resistance, water- hammer eliminating design
- Enlarged Y shaped flow section smooth Flow and raises flux
- Self-lubricating actuator rotates 360°





Options:

- Socket, Screwed and flange end available.
- Double acting option available.
- Manual topworks available on request.

Actuations & Accessories:

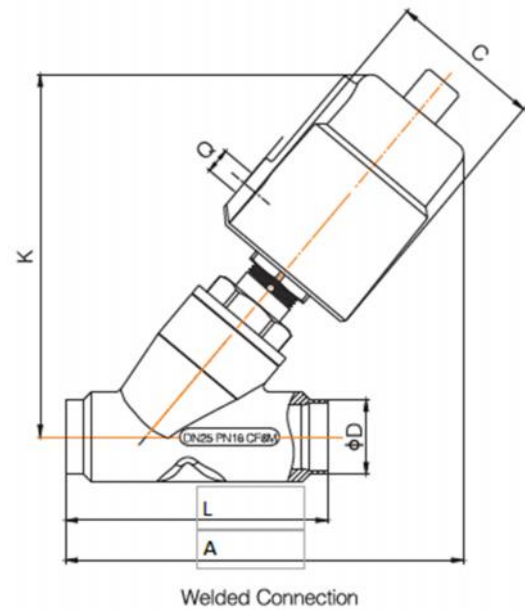
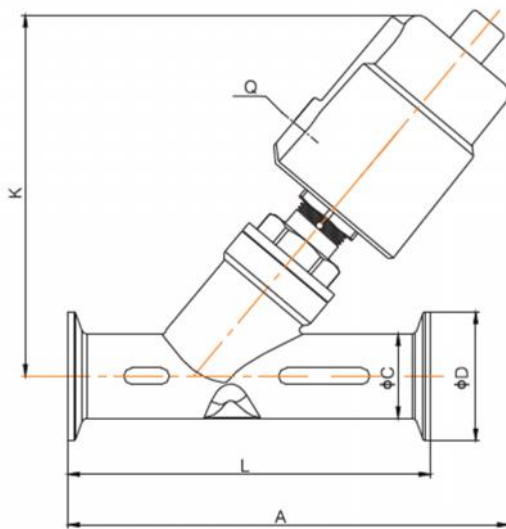
- Solenoid Valve
- Feedback Sensor(ON/OFF)
- Control Topworks
- PID Controller

Technical Specification:

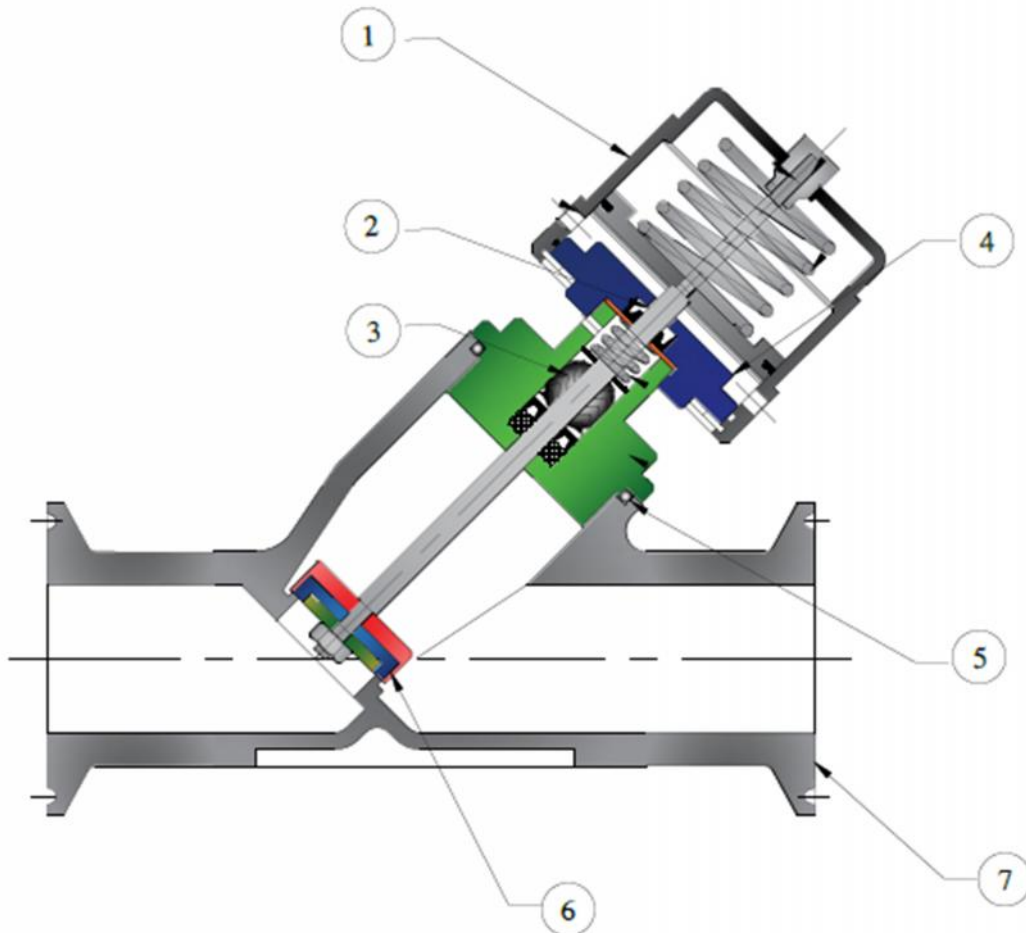
Fluid Pressure	Max16 bar (232psi)
Control Pressure	3.0-8.0bar
Body Material	CF8M
Fluid Viscosity	Max 600mm ² /s
Fluid Temperature	-10°C—+180°C, +25°C—+220°C
Ambient Temperature	-10°C—+80°C

DIMENSIONS(MM) TC End

Size	Actuator(mm)	Q	A	K	L	ØC	ØD
0.5"	40	1/8"	130	115	110	12.7	25.4
0.75"	50	1/8"	158	148	110	19.05	25.4
1.0"	50	1/8"	165	140	120	25.4	50.4
1.5"	63	1/8"	210	175	160	38.1	50.4
2.0"	63	1/8"	221	185	192	50.4	63.5


DIMENSIONS(MM) Butt-weld End

Size	Actuator(mm)	Q	A	K	L	C	ØD
0.5"	40	1/8"	118	112	70	50.5	12.7
0.75"	50	1/8"	135	132	82	60	19.05
1.0"	50	1/8"	150	136	100	60	25.4
1.5"	63	1/8"	190	175	130	75	38.1
2.0"	63	1/8"	205	183	155	75	50.4



No	Part Name	Material
1	Actuator	CF8
2	Stem	AISI-316
3	Stem seal	PTFE
4	Piston	Aluminum
5	Body Seal	PTFE
6	Seat	PTFE
7	Body	CF8M