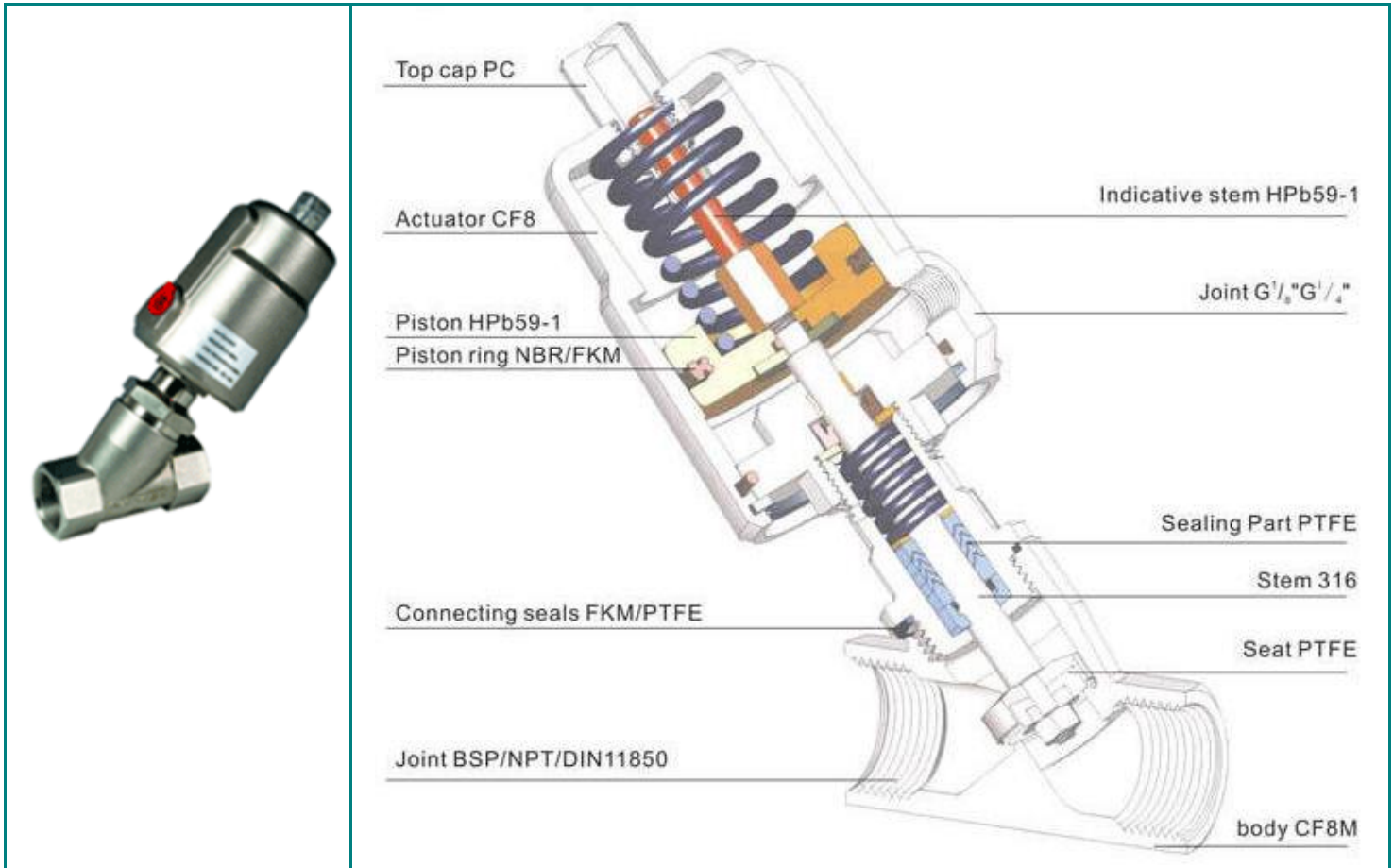


2KS/2KD Series Stainless Steel Air Actuated Angle Plunger Valve Specifications and Dimensions

Materials of Constructions:



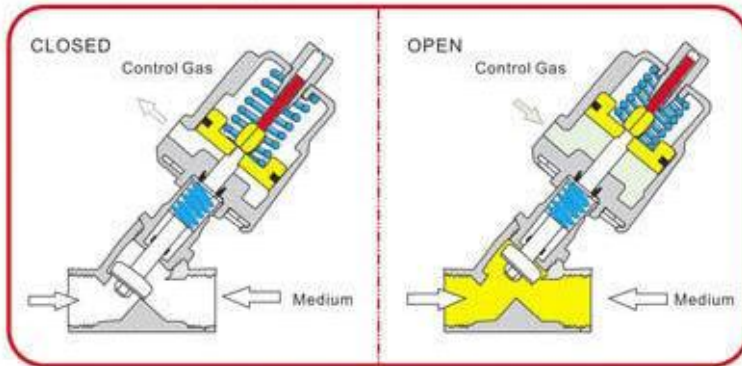
2KS/2KD Series Stainless Steel Air Actuated Angle Plunger Valve Specifications

Valve Body	316 Stainless Steel/CF8M
Actuator	CF8
Seat Seals	PTFE
Stem Seals	PTFE/FKM
Piston Seals	PTFE/NBR
Service Medium	Air , Gas, Liquid, Steam, Water,
Operating Pressure	0-240 PSI (0-1.6MPa)
Temperature Range	-5 to 356°F (-20 to 180°C)
Ambient Temperature	-5-40 °F (-20 to 60 °C)
Maximum Viscosity	600 mm ² /s
Installation Orientation	Any Orientation
Controlling Medium	Air, Inert Gas
Controlling Pressure Range	65-120 PSI

Operating Specifications:

A. Single Acting

To bear big pressure
Single acting(NC)/double acting(NC)

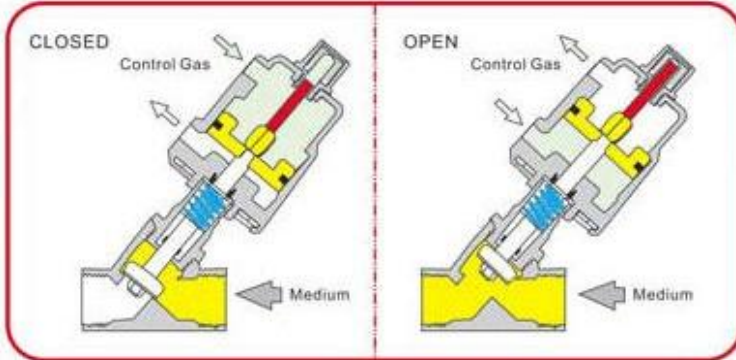


2KS Series Single Acting Stainless Steel Air Actuated Angle Plunger Valve									
Part No.	Port (NPT)	Specification	Orifice (mm)	Actuator (mm)	Cv	Inlet Above Valve Seat Pressure @ 180 °C	Inlet Below Valve Seat Pressure @ 180 °C	Temperature	Control Pressure
2KS-3/8	3/8"	DN10	13	50	4.7	0-240 PSI (0-1.6MPa)	0-240 PSI (0-1.6MPa)	-5 to 356°F (-20 to 180°C)	65-120 PSI
2KS-1/2	1/2"	DN15	13	50	4.7	0-240 PSI (0-1.6MPa)	0-240 PSI (0-1.6MPa)	-5 to 356°F (-20 to 180°C)	65-120 PSI
2KS-3/4	3/4"	DN20	18	50	9.5	0-240 PSI (0-1.6MPa)	0-180 PSI (0-1.2MPa)	-5 to 356°F (-20 to 180°C)	65-120 PSI
2KS-1	1"	DN25	24	63	18.1	0-240 PSI (0-1.6MPa)	0-150 PSI (0-1.0MPa)	-5 to 356°F (-20 to 180°C)	65-120 PSI
2KS-1 1/4	1 1/4"	DN32	31	63	23.1	0-240 PSI (0-1.6MPa)	0-90 PSI (0-0.6MPa)	-5 to 356°F (-20 to 180°C)	65-120 PSI
2KS-1 1/2	1 1/2"	DN40	35	80	32.9	0-240 PSI (0-1.6MPa)	0-150 PSI (0-1.0MPa)	-5 to 356°F (-20 to 180°C)	65-120 PSI
2KS-2	2"	DN50	45	80	52.8	0-240 PSI (0-1.6MPa)	0-90 PSI (0-0.6MPa)	-5 to 356°F (-20 to 180°C)	65-120 PSI

* Use under-seat flow to minimize hammering effect; use above-seat flow to maximize valve response time.

B. Double Acting

Close with flow direction (double acting)

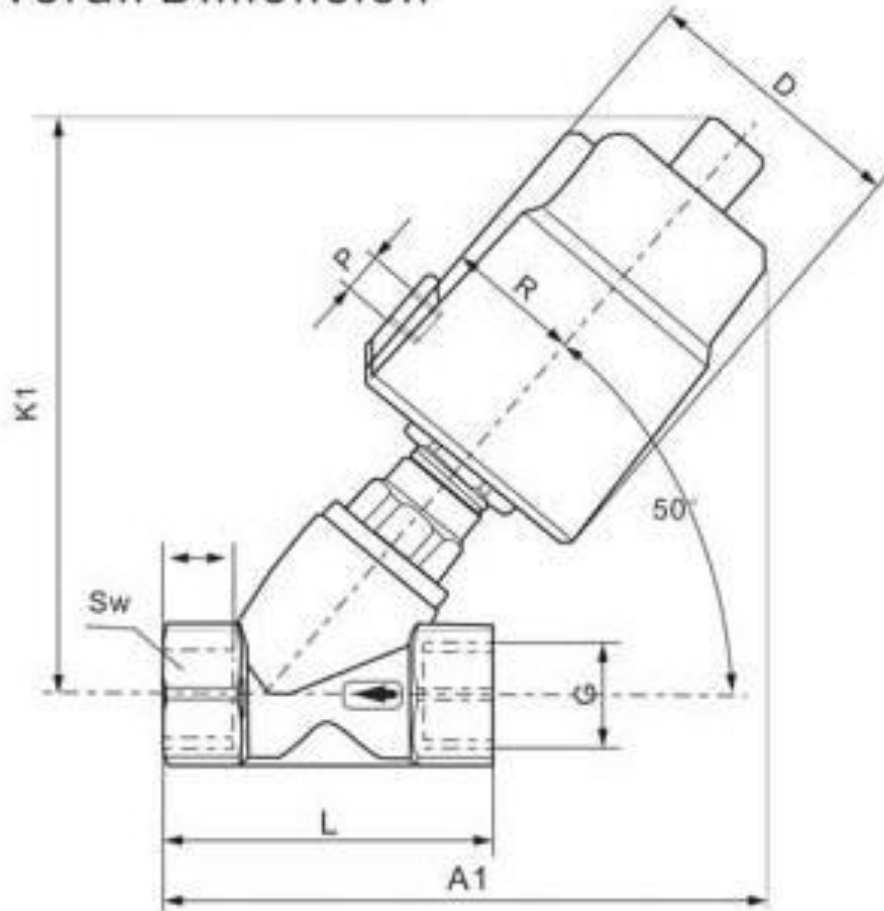


2KD Series Double Acting Stainless Steel Air Actuated Angle Plunger Valve							
Part No.	Port (NPT)	Specification	Orifice (mm)	Actuator Diameter (mm)	Cv	Inlet Above Valve Seat Pressure @ 180 °C	Inlet Below Valve Seat Pressure @ 180 °C
2KD-3/8	3/8"	DN10	13	50	4.7	0-240 PSI (0-1.6MPa)	0-240 PSI (0-1.6MPa)
2KD-1/2	1/2"	DN15	13	50	4.7	0-240 PSI (0-1.6MPa)	0-240 PSI (0-1.6MPa)
2KD-3/4	3/4"	DN20	18	50	9.5	0-240 PSI (0-1.6MPa)	0-240 PSI (0-1.6MPa)
2KDS-1	1"	DN25	24	63	18.1	0-240 PSI (0-1.6MPa)	0-240 PSI (0-1.6MPa)
2KD-1 1/4	1 1/4"	DN32	31	63	23.1	0-240 PSI (0-1.6MPa)	0-240 PSI (0-1.6MPa)
2KD-1 1/2	1 1/2"	DN40	35	80	32.9	0-240 PSI (0-1.6MPa)	0-240 PSI (0-1.6MPa)
2KD-2	2"	DN50	45	80	52.8	0-240 PSI (0-1.6MPa)	0-240 PSI (0-1.6MPa)

* Use under-seat flow to minimize hammering effect; use above-seat flow to maximize valve response time.

Dimensions:

★ Overall Dimension



Single Acting	Double Acting	2KS/2KD Series Stainless Steel Air Actuated Angle Plunger Valve Dimensions (unit=mm)								
Part No.	Part No.	Port (NPT)	Standard	Orifice (mm)	Actuator	Cv	D	R	P (NPT)	K1
2KS-3/8	2KD-3/8	3/8"	DN10	13	50	4.7	60	35	1/8	126
2KS-1/2	2KD-1/2	1/2"	DN15	13	50	4.7	60	35	1/8	126
2KS-3/4	2KD-3/4	3/4"	DN20	18	50	9.5	60	35	1/8	131
2KS-1	2KD-1	1"	DN25	24	63	18.1	77	43	1/8	165
2KS-1 1/4	2KD-1 1/4	1 1/4"	DN32	31	63	23.1	77	43	1/8	175
2KS-1 1/2	2KD-1 1/2	1 1/2"	DN40	35	80	32.9	98	52	1/4	187
2KS-2	2KD-2	2"	DN50	45	80	52.8	98	52	1/4	195