

Pneumatic Angle Seat Valve

The externally piloted angle seat valve is operated with a single or double-acting piston actuator. The actuator is available in three different materials to accommodate most applications. The KAV achieves high flow rates due to the angle valve flow path design, which also minimizes pressure drop through the valve.



Features and Benefits

- High Cycle-Life
- Integrated Pneumatic Actuator
- Actuator Head Rotates 360°
- Visual Indicator
- Robust Seat & Stem
- Durable 304 Stainless Steel Body Material

Typical Applications

- Steam Applications
- Keg Cleaners
- Air Drying Equipment
- Autoclaves/Sterilizers
- Process Control Applications
- Laundry Equipment
- Textile Dyeing & Drying
- Bottling & Dispensing Equipment
- Ink & Paint Dispensing
- Industrial Compressors
- Nitrogen Generators

Specifications

- **NPT Threaded:** 3/8" to 2-1/2"
- **Tri-Clamp:** Available upon request
- **Butt Weld:** Available upon request
- **ANSI Flanged:** Available upon request
- **Media:** Air, Gas, Steam and Liquid
- **Temp:** -20°F to 400°F
- **Maximum Permissible Viscosity:** .93 in²/s
- **Operating Pressure:** Up to 232 psi maximum
- **Maximum Control Pressure:** 116 psi

Body Material

- 304 Stainless Steel: Standard
- 316 Stainless Steel: On request

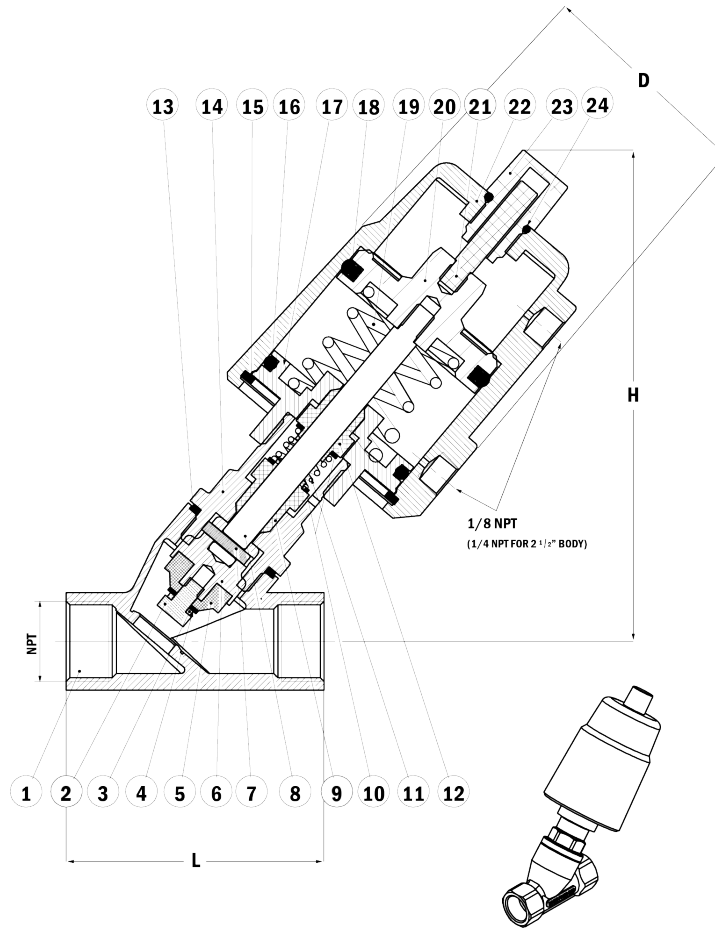
Actuator Material

- Aluminum Alloy: Standard
- Plastic: On request
- 304 Stainless steel: On request

Seal Materials

- Disc Seal: PTFE standard, FKM on request
- Stem Seal: PTFE standard, FKM on request
- Piston Seal: FKM standard, NBR on request

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MATERIALS OF CONSTRUCTION

ITEM #	DESCRIPTION
1	Body
2	Disc Retainer
3	Lock Washer
4	Disc Washer
5	Disc PTFE
6	Disc Holder
7	Pin
8	Stem
9	Shaft Seal
10	Seal Washer
11	Shaft Spring
12	Shaft Seal
13	Body Seal PTFE
14	Threaded Connector
15	Retaining Ring
16	O-Ring NBR
17	Piston
18	U-Seal NBR
19	Actuator Spring
20	Piston
21	Indicator
22	Actuator
23	Indicator Window
24	O-Ring NBR

ORIFICE DIAMETER	NPT	L	HEX	H	D	ACTUATOR
10mm	3/8"	2.20	.83	6.10	2.00	40mm
15mm	1/2"	2.80	1.00	6.70	2.00	40mm
20mm	3/4"	3.00	1.30	7.30	2.40	50mm
25mm	1"	3.50	1.60	7.70	2.40	50mm
32mm	1-1/4"	4.60	2.00	9.30	3.00	63mm
40mm	1-1/2"	4.60	2.20	9.80	3.60	80mm
50mm	2"	5.40	2.70	10.40	3.60	80mm
65mm	2-1/2"	6.60	3.30	12.00	4.60	100mm

HOW TO ORDER

KAV **7** **3** **4** **9** **05** - **25**

Function	7. Normally Closed 8. Normally Open 9. Double-Acting
Body Material	1. 316L 2. SS316 3. SS304
Actuator material	3. Plastic 4. Alloy Aluminum 5. SS304
Seal Material	0. FKM 9. PTFE
Actuator	03=32mm 04=40mm 05=50mm 06=63mm 08=80mm 10=100mm 12=125mm
Port size (NPT)	-10=3/8" -15=1/2" -20=3/4" -25=1" -32=1-1/4" -40=1-1/2" -50=2" -65=2-1/2"