

## Pneumatic Angle Seat Valve

Durable 304 Stainless Steel Body | 3/8" to 2 1/2" NPT

The externally piloted angle seat valve is operated with a single or double-acting piston actuator. The durable aluminum alloy actuator is suitable for most general service applications. The KAV achieves high flow rates due to the angle valve flow path design, which also minimizes pressure drop through the valve.

- High Cycle-Life
- Visual Indicator
- Robust Seat & Stem
- Actuator Head Rotates 360°
- Integrated Pneumatic Actuator
- Suitable for General Service Applications

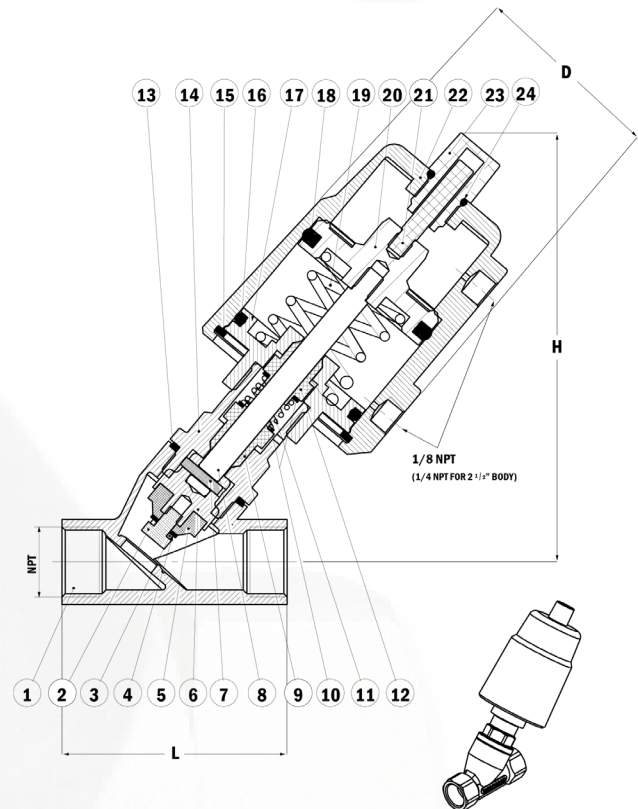
### TYPICAL APPLICATIONS INCLUDE :

STERILIZATION/AUTOCLAVES    STEAMAPPLICATIONS    KEGCLEANERS    AIRDRYINGEQUIPMENT  
 PROCESSCONTROLAPPLICATIONS    LAUNDRYEQUIPMENT    TEXTILEDYING&DRYING    AIRSEPARATION  
 FILLINGOPERATIONS    PACKAGING    REFRIGERATION    PNEUMATICTRANSPORT    RUBBERPROCESSING  
 CERAMICSPROCESSING    AUTOMOBILEASSEMBLY    SHOEMAKING    ROADMAINTENANCE  
 ULTRASONICFILTRATION    PHARMACEUTICALMANUFACTURING    FEEDPROCESSING    INDUSTRIALCOMPRESSORS  
 POWDERMETALLURGY    NITROGENGENERATORS    RESINCHEMICALPROCESSING    WASTEWATERTREATMENT



Specifications	
Port Size	3/8" to 2-1/2" NPT
Body Materials	304 Stainless Steel: standard 316 Stainless Steel: on request
Actuator Material	Aluminum Alloy: standard Plastic: on request 304 Stainless Steel: on request
Seal Material	PTFE standard, FKM on request PTFE standard, FKM on request FKM standard, NBR on request
Media	Air, Gas, Steam, and Liquid
Temperature	-20° F to 400° F
Viscosity	Maximum .93 in <sup>2</sup> /s
Operating Pressure	Up to 232 psi maximum
Max. Actuator Pressure	Refer to chart on back
Tri-Clamp	Available Upon Request
Butt Weld	Available Upon Request
ANSI Flanged	Available Upon Request

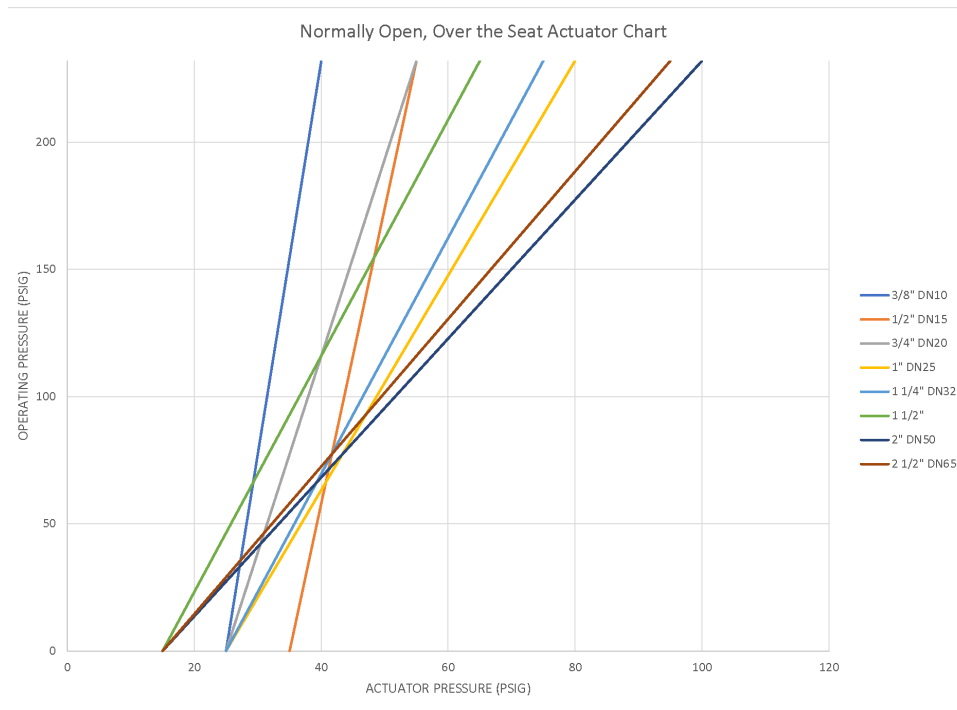
DIMENSIONS						
ORIFICE DIAMETER	PORT SIZE (NPT)	L	HEX	H	D	ACTUATOR (mm)
10mm	3/8"	2.20	0.83	6.10	2.00	40
15mm	1/2"	2.80	1.00	6.70	2.00	40
20mm	3/4"	3.00	1.30	7.30	2.40	50
25mm	1"	3.50	1.60	7.70	2.40	50
32mm	1-1/4"	4.60	2.00	9.30	3.00	63
40mm	1-1/2"	4.60	2.20	9.80	3.60	80
50mm	2"	5.40	2.70	10.40	3.60	80
65mm	2-1/2"	6.60	3.30	12.00	4.60	100



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

# Pneumatic Angle Seat Valve

Pressure Requirements			Normally Closed, Under the Seat		Normally Closed, Above the Seat		Normally Open, Under the Seat		Normally Open, Above the Seat	
KAV Part Number	Actuator Size (mm)	NPT Size (in)	Max Operating Pressure (PSIG)	Max Actuator Pressure (PSIG)	Max Operating Pressure (PSIG)	Max Actuator Pressure (PSIG)	Max Operating Pressure (PSIG)	Max Actuator Pressure (PSIG)	Max Operating Pressure (PSIG)	Max Actuator Pressure (PSIG)
KAV734904-10	40	3/8"	232	116	232	65	232	116	232	65
KAV734904-15	40	1/2"	232	116	232	55	232	116	232	55
KAV734905-20	50	3/4"	232	116	232	116	232	116	232	116
KAV734905-25	50	1"	162	116	162	116	232	116	162	116
KAV734906-32	63	1-1/4"	175	116	175	116	232	116	175	116
KAV734908-40	80	1-1/2"	232	116	232	116	232	116	232	116
KAV734908-50	80	2"	155	116	200	116	232	116	200	116
KAV734910-65	100	2-1/2"	165	116	160	116	232	116	160	116



## 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"