

Vane unghiulare din inox cu piston – comanda pneumatica

Vanele unghiulare cu piston, comandate pneumatic, pot fi folosite in medii in care este interzisa folosirea semnalelor electrice, ex. medii inflamabile sau explozive.

Corpul vanei este din inox iar etansarea scaunului este din Teflon. Etansarea scaunului permite folosirea vanei la temperaturi inalte (180°C) dar si la temperaturi joase (-20°C). De asemenea, asigura o rezistenta sporita la fluide puternic corozive. Tija pistonului si pistonul sunt realizate din inox doar filtru de refulare al aerului de comanda de pe corpul pistonului fiind din bronz.

Formarea codului de comanda

2J S K 150 15 Q50 G						
① ② ③ ④ ⑤ ⑥ ⑦						
① Model	② Valve body material	③ Acting type	④ Orifice size	⑤ Port size	⑥ Size of actuator	⑦ Thread type
2J: Angle seat valve(2/2 way)	S: SUS316L W: SUS304	Blank: No water-hammer(NC) The working medium flows to the down side of valve inlet (Flow from the bottom part to upper part of piston)	150: Φ15mm	10: 3/8" 15: 1/2"	Q40: Φ40mm Q50: Φ50mm Q63: Φ63mm Q80: Φ80mm	G: G
		Y: Water-hammer(NC) The working medium flows to the upper side of valve inlet (Flow from the upper part to bottom part of piston)	200: Φ20mm	20: 3/4"		
		K: Normal opened The working medium flows to the down side of valve inlet (Flow from the bottom part to upper part of piston)	250: Φ25mm	25: 1"		
			320: Φ32mm	32: 1 1/4"		

Pistonul este positionat in unghi de 45° pe sensul de curgere. Designul asigura o rezistenta redusa la inaintarea fluidului ceea ce asigura un debit mare.

Actuatorul se poate roti la 360° si este prevazut cu indicator vizual pentru stabilirea pozitiei. Sunt 4 dimensiuni disponibile in functie de marimea vanei sau forta necesara

pentru deschidere.

Corpul este din poliamida iar conexiunile sunt cu filet interior 1/8 sau 1/4 din alama nichelata.

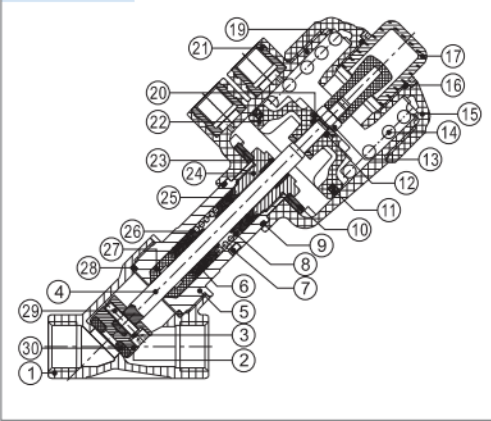
Specificatii

Model\Item	Port	Actuator size(mm)	Orifice size(mm)	Kv	Min.pilot pressure(bar)	Max.differentia pressure(bar)	Weight (kg)	
2JS150 2JW150	-10	G3/8	40	15	4.4	4.8	13	0.8
	-15	G1/2						0.7
	-10	G3/8	50	15	4.8	4.3	16	0.8
								-15
2JS200 2JW200	-20	G3/4	40	20	7.9	4.8	6.5	0.9
			50		8	4.3	11	0.95
			63		10	4.2	16	1.6
2JS250 2JW250	-25	G1	63	25	19	4.2	11	1.9
			80		20	5.0	16	2.5
2JS320 2JW320	-32	G1 1/4	63	32	27	4.2	6	2.5
			80		28	5.0	15	3.0
2JSK150 2JWK150	-10	G3/8	40	15	4.4	16	16	0.8
	-15	G1/2						0.7
	-10	G3/8	50	15	4.8	16	16	0.8
								-15
2JSK200 2JWK200	-20	G3/4	40	20	7.9	16	16	0.9
			50		8			16
2JSK250 2JWK250	-25	G1	50	25	14.5	16	16	1.2
			63		19			16
2JSK320 2JWK320	-32	G1 1/4	63	32	27	16	16	2.2
			80		28			16
2JSY150 2JWY150	-10	G3/8	40	15	4.4	16	16	0.8
	-15	G1/2						0.7
	-10	G3/8	50	15	4.8	16	16	0.8
								-15
2JSY200 2JWY200	-20	G3/4	40	20	7.9	16	16	0.9
			50		8			16
2JSY250 2JWY250	-25	G1	50	25	14.5	16	16	1.3
			63		19			16
2JSY320 2JWY320	-32	G1 1/4	63	32	27	16	16	2.3

Structura interna

Vana este realizata din inox 304 sau 316 in functie de modelul ales

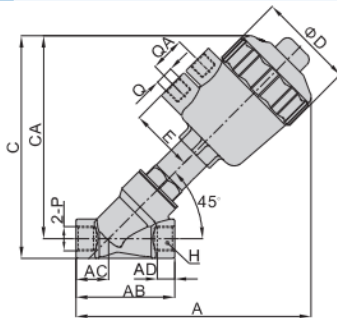
2JS150-Q50



No.	Item	Material	No.	Item	Material
1	Body	Stainless steel	16	O-ring	NBR
2	Piston	Stainless steel	17	Transparent cap	Plastic
3	Spring washer	Spring steel	18	Indicative	Plastic
4	Piston rod	Stainless steel	19	Cylinder body	PA6
5	Pitman	Stainless steel	20	Washer	SPCC
6	V-seals	PTFE	21	Built-in nut	Brass nickel-plate
7	Filter core	Bronze	22	Piston	PA6
8	Spring	Spring steel	23	DU dry bearing	Wear resistant material
9	O-ring	NBR	24	Connect nut	Brass
10	Bellville spring	Spring steel	25	O-ring	Viton
11	O-ring	NBR	26	Spring holder	PTFE
12	O-ring	NBR	27	Guide sleeve	PTFE
13	Hexagon nut	Steel	28	Seal washer	PTFE
14	Spring	Spring steel	29	Screw	Stainless steel
15	Top cover	PA6	30	Seal washer	PTFE

Dimensiuni

Datorita unghiului de 45° al pistonului valva unghiulara are dimensiuni reduse ceea ce permite instalarea mult mai usoara in spatii restranse



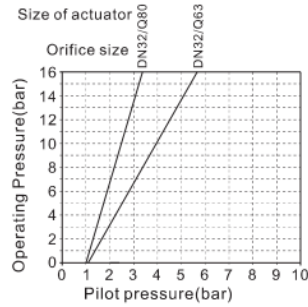
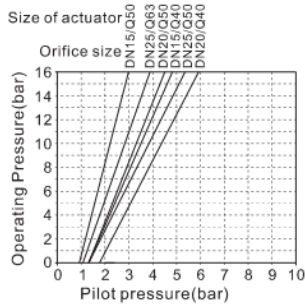
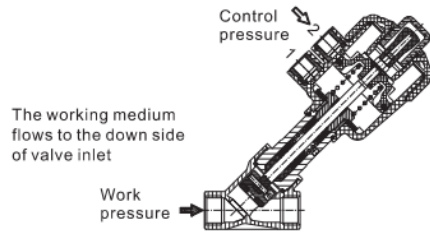
Orifice size(DN)	Size of actuator	A	AB	AC	AD	C	CA	ΦD	E	H	Port size(P)	Q	QA
15	Φ40	153	68	22.5	12	144	130	56	33	27	G3/8	G1/8	
	Φ50	162				153	140	66	44		G1/2	G1/4	
20	Φ40	161	78	27	14	150	134	56	33	33	G3/4	G1/8	24
	Φ50	170				160	143	66	44			G1/4	
	Φ63	200				189	172	82	51			G1/4	
	Φ50	176				168	147	66	44			G1/4	
25	Φ63	205	90	28	14	197	176	82	51	40	G1	G1/4	
	Φ80	221				213	193	102	60			G1/4	
	Φ63	220				210	185	82	51			G1/4	
32	Φ63	220	110	35	18	210	185	82	51	50	G1 1/4	G1/4	
	Φ80	237				227	202	102	60			G1/4	

Diagrama presiune comanda/presiune fluid

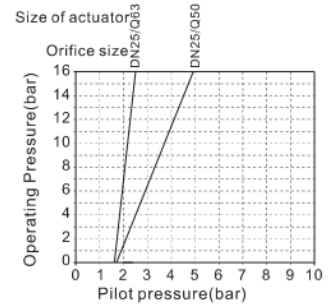
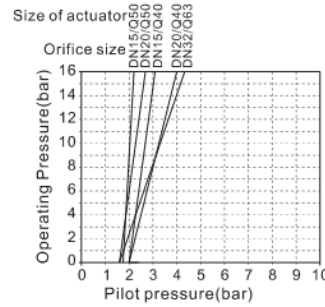
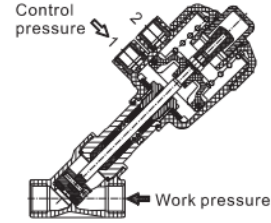
Exceptand dimensiunea maxima DN32 (G1 1/4) care este disponibila cu un singur tip de actuator, marimea maxima, restul variantelor cuprinse intre DN10 (G3/8) si DN25 (G1) pot fi echipate cu cel putin doua vraiante de actuatori.

Variantele 40/50/63 se pot comanda cu aer comprimat pana la 10 bar iar 80 necesita o presiune maxima de 7 bar.

Normal opened



Water-hammer(NC)



Specificatii ambinetale si temperatura

Aer comanda	Aer comprimat filtrat 40 μ
Presiune de comanda	\varnothing 40/50/63 P.max 10 bar / \varnothing 80 Pmax 7 bar
Fluid *(1)	aer, lichide, vacuum, abur
Vascozitate	Vascozitatea maxima a fluidului ce trece prin vana 600mm ² /secunda
Temperatura fluide *(2)	-20°C / + 180°C
Temperatura ambientala *(3)	-10°C / + 60°C

- *(1) Tipul water-hammer poate fi folosit doar pentru aer si abur. Nu trebuie folosit cu lichide
- *(2) Punctul de roua: -20°C sau mai putin
- *(3) Va rugam consultati diagrama temperatura ambientala / temperatura fluid

