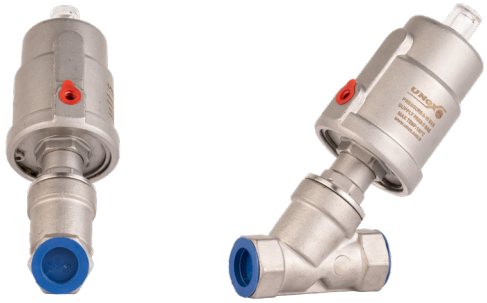
PNÖMATİK PİSTONLU VANALAR

PNEUMATIC PISTON VALVE

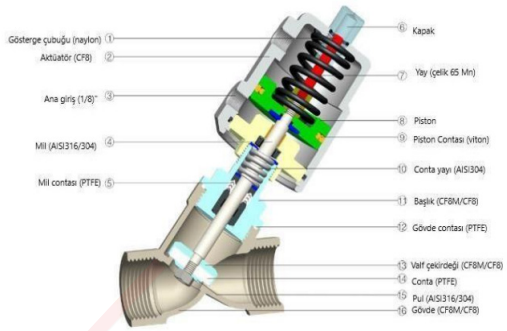
Pnömatik pistonlu vanalar, Gövde 316 paslanmaz çelik, aktüatör 304 paslanmaz çelik malzemeden pnömatik kontrol amaçlı Y tipi vanalardır. Tek etkili tip ve normalde kapalı olarak imal edilmektedir. Standart dişli imalat BSP dişlidir.

Valve stays closed(opened) by spring force in its normal state. When piston is actuated by compressed air, valve became opened(closed). For double acting type, valve is opened and closed by compressed air.

PNÖMATİK PİSTONLU
DİŞLİ VANA



PNÖMATİK PİSTONLU DİŞLİ VANA



Genel Özellikler

Pnömatik Pistonlu Vana, agresif kimyasalların ve buharın bulunduğu tesisatlar üzerinde akışı kesmek ve tekrar akışı sağlamak amacıyla kullanılan bir vanadır.

Çalışma Prensibi

Vana normal durumda yay kuvveti ile kapalı (açık) kalır. Piston, basınçlı hava ile çalıştırıldığında, vana açılır (kapalı). Çift etkili tip için valf açıktır ve basınçlı hava kapatılır.

Uygulama Alanları

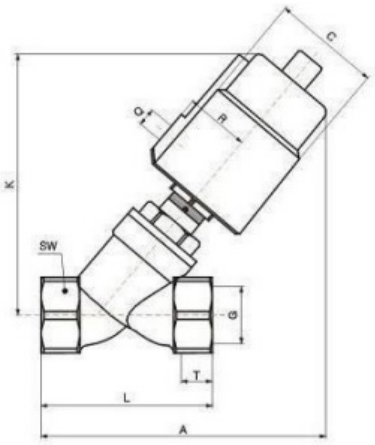
- İçecek şişeleme makineleri
- Gaz endüstrisi
- Yüksek sıcaklık dezenfeksiyonu
- Su / kanalizasyon arıtma
- Tekstil baskı ve boyama
- Kimya sektörü
- Köpüklendirme ekipmanları

Avantajları

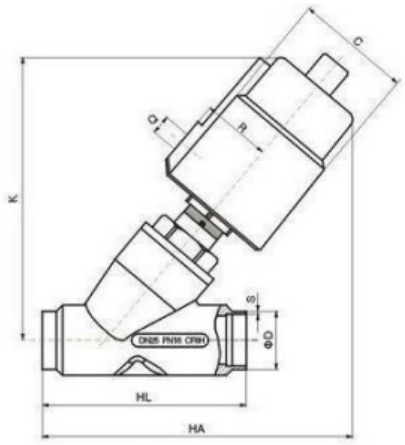
- Büyük akış, düşük direnç koç darbesinden etkilenmez.
- Y tipi şekli ile ve genişletilmiş akış bölgesi ile %30 oranında pürüzsüz bir akış sağlar.
- Uzun yıllar çalışabilme.
- Gövde kendini otomatik olarak ayarlar ve yağlar. Bakım maliyetinizi minimize eder.
- Silindir 360 dönebilir ve komple paslanmaz çelik malzemeden yapılmıştır. Bu size çok yüksek bir performans sağlar.

Teknik Özellikler

- Akışkan Basıncı Maks. 1,6M Pa (232 psi)
- Kontrol Basıncı 0,3-0,8 MPa (43,5 - 116 psi)
- Kontrol Sıvısı Nötr gaz, Hava
- Gövde Malzemesi CF8M / CF8
- Conta Malzemesi PTFE
- Aktüatör Malzemesi CF8
- Aktüatör Boyutu 40mm, 50mm, 63mm, 90mm, 125mm
- Uygulanabilir Sıvı Su, Alkol, Yağ, Yakıt, Buhar, Nötr gaz veya sıvı, Organik çözücü, Asit ve kostik
- Akışkan Viskozitesi Maks. 600 mm^2 / s
- Akışkan Sıcaklığı -10 ° C— + 200 ° C
- Ortam Sıcaklığı -10 ° C— + 80°C
- Kontrol Tipi Normalde kapalı, Normalde açık, Çift hareketli



Threaded Connection



Welded Connection

Boyut	Aktüatör (mm)	Q	C	R	K	DİŞLİ BAĞLANTI					KAYNAKLI BAĞLANTI					
						G	T	A	L	SW	HA	HL	DIN11850-2		DIN11850-3	
													D	S	D	S
DN10	40	1/8”	50.5	27	112	3/8”	12	124	68	27	-	-	-	-	-	-
	50	1/8”	60	33	125			162			-					
DN15	40	1/8”	50.5	27	112	1/2”	15	124	68	27	118	70	19	1.5	20	2
	50	1/8”	60	33	125			165			128					
DN20	50	1/8”	60	33	132	3/4”	16	140	75	32	135	82	23	1.5	24	2
DN25	50	1/8”	60	33	136	1”	17	150	90	40	150	100	29	1.5	30	2
	63	1/8”	75	41	162			172			175					
	90AL	1/8”	112	57	210			215			216					
	90	1/8”	106	55	211			216			218					
DN32	63	1/8”	75	41	174	11/4”	21	190	116	50	186	125	35	1.5	36	2
	90AL	1/8”	112	57	220			230			230					
	90	1/8”	106	55	223			235			232					
DN40	63	1/8”	75	41	175	11/2”	21	190	116	56	190	130	41	1.5	42	2
	90AL	1/8”	112	57	220			230			232					
	90	1/8”	106	55	223			235			235					
DN50	63	1/8”	75	41	232	2”	22	205	138	69	206	155	5	1.5	54	2
	90AL	1/8”	112	57	232			245			247					
	90	1/8”	106	55	300			250			250					
	125AL	1/4”	170	85	262			305			307					
DN65	90AL	1/8”	170	57	262	21/2”	26	282	178	85	-	-	-	-	-	-
	90	1/8”	112	55	265			285			-	-	-	-	-	-
	125AL	1/4”	106	85	315			327			-	-	-	-	-	-
								270			315	270	70	2	-	-
DN65 Kare Açma	90AL	1/8”	112	57	280			275			320				-	-
											360				-	-
DN80 Kare Açma	125AL	1/4/”	170	85	355	3”	27	340	210	100	360	284	58	2	-	-
DN80	125AL	1/4/”	170	85	327			380			-	-	-	-	-	-

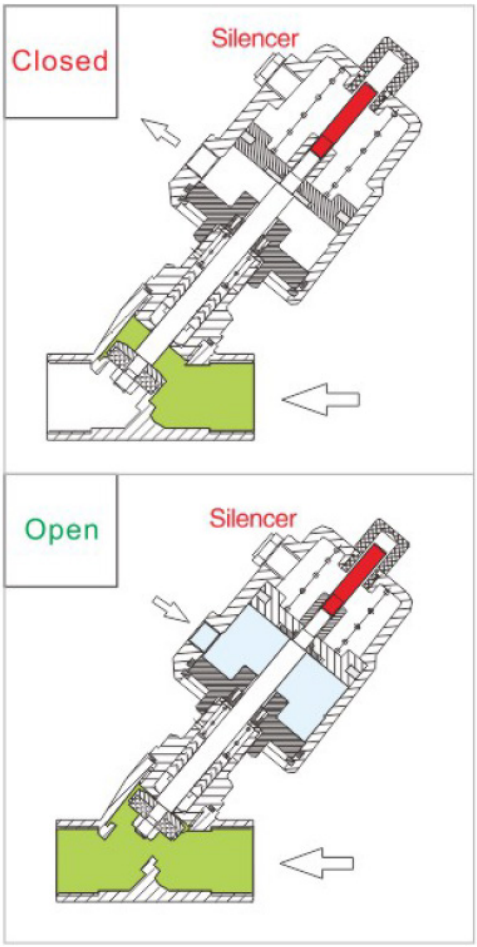
PNÖMATİK PİSTONLU
DİŞLİ VANA

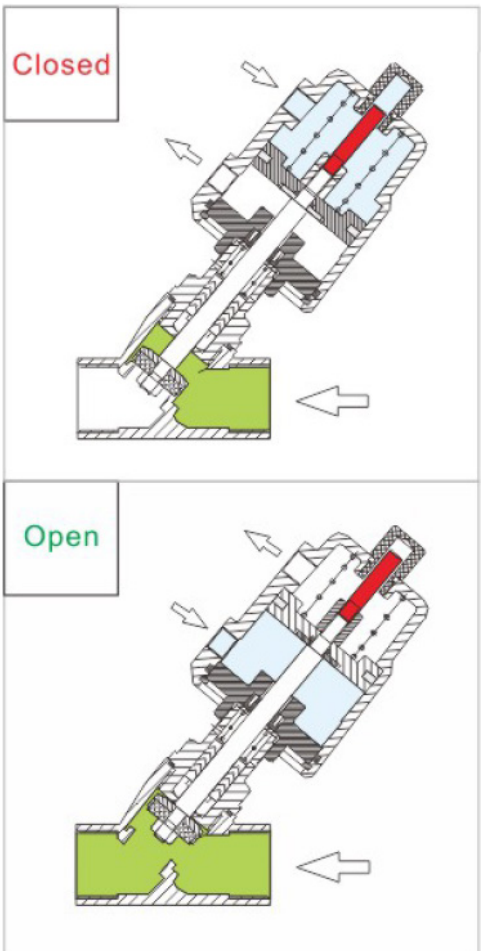
Tek Etkili Normalde Kapalı (NK) Vana Yatağına Giriş

Ölçü	Dişli Ucu	Orifis(mm)	Akış Değeri Kw(m3/h)	Aktüatör	Diferansiyel Basınç Aralığı P(MPa)	Kontrol Basıncı (MPa)
DN8	G1/4”	9.5	1.8	28	0-1.0	0.5-0.7
		13	2.2	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN10	G3/8”	9.5	2	28	0-1.0	0.5-0.7
		13	3.9	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN15	G1/2”	9.5	2.2	28	0-1.0	0.5-0.7
		13	4.3	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN20	G3/4”	18	7.6	63	0-1.6	0.3-0.4
DN25	G1”	24	15.8	63	0-1.6	0.3-0.45
				90	0-1.6	0.3-0.35
DN32	G1 1/4”	31	26.0	63	0-1.6	0.3-0.55
				90	0-1.6	0.3-0.35
DN40	G1 1/2”	35	32.0	63	0-1.6	0.3-0.65
				90	0-1.6	0.3-0.4
DN50	G2”	45	52.0	63	0-0.9	0.3-0.7
				90	0-1.6	0.3-0.45
				125	0-1.6	0.3-0.4
DN65	G3”	61	83.2	90	0-1.0	0.3-0.6
				125	0-1.6	0.3-0.4
DN80	G2 1/2”	80	119	125	0-1.2	0.3-0.7

Çift Etkili Normalde Kapalı (NK) Vana Yatağına Giriş

Ölçü	Dişli Ucu	Orifis(mm)	Akış Değeri Kw(m3/h)	Aktüatör	Diferansiyel Basınç Aralığı P(MPa)	Kontrol Basıncı (MPa)
DN8	G1/4”	13	2.2	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN10	G3/8”	13	3.9	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN15	G1/2”	13	4.3	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN20	G3/4”	18	7.6	50	0-1.6	0.3-0.4
DN25	G1”	24	15.8	50	0-1.6	0.3-0.45
				63	0-1.6	0.3-0.35
DN32	G1 1/4”	31	26.0	63	0-1.6	0.3-0.55
				90	0-1.6	0.3-0.35
DN40	G1 1/2”	35	32.0	63	0-1.6	0.3-0.65
				90	0-1.6	0.3-0.4
DN50	G2”	45	52.0	63	0-0.9	0.3-0.7
				90	0-1.6	0.3-0.45
				125	0-1.6	0.3-0.4
DN65	G3”	61	83.2	90	0-1.0	0.3-0.6
				125	0-1.6	0.3-0.4
DN80	G2 1/2”	80	119	125	0-1.2	0.3-0.7

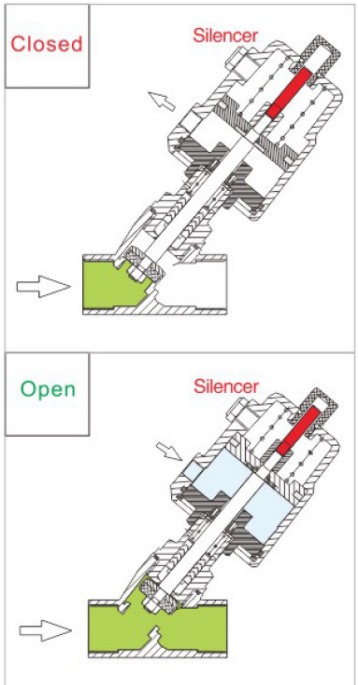




PNÖMATİK PİSTONLU
DİŞLİ VANA

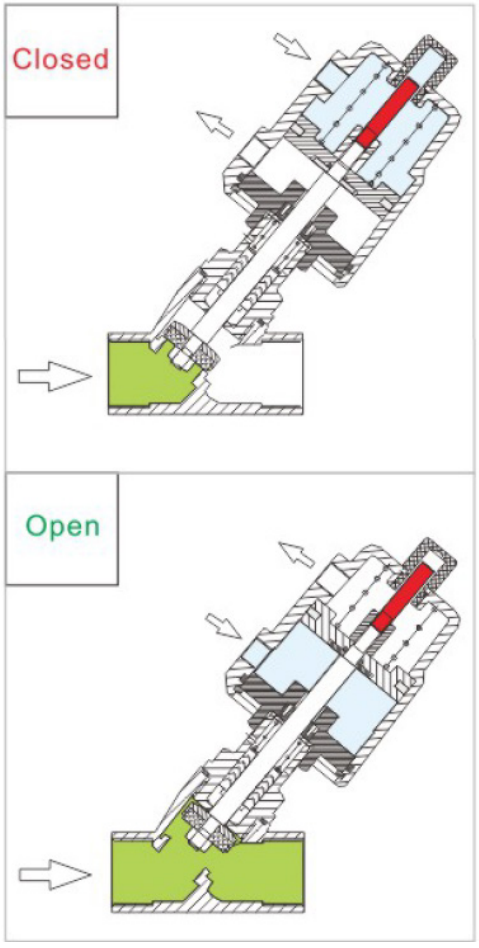
Tek Etkili Normalde Kapalı (NK) Vana Yatağının Altından Giriş

Ölçü	Dişli Ucu	Orifis(mm)	Akış Değeri Kw(m3/h)	Aktüatör	Diferansiyel Basınç Aralığı P(MPa)	Kontrol Basıncı (MPa)
DN8	G1/4"	9.5	1.8	28-A	0-1.0	≥0.5
		13	2.2	40-A	0-1.3	≥0.4
				50-A	0-1.4	≥0.45
DN10	G3/8"	9.5	2	28-A	0-1.0	≥0.5
		13	3.9	40-A	0-1.3	≥0.4
				50-A	0-1.4	≥0.45
DN15	G1/2"	9.5	2.2	28-A	0-1.0	≥0.5
		13	4.3	40-A	0-1.3	≥0.4
				50-A	0-1.4	≥0.45
DN20	G3/4"	18	7.6	50-A	0-1.4	≥0.45
DN25	G1"	24	15.8	50-A	0-0.8	≥0.45
				63-A	0-1.3	≥0.5
				63-B	0-0.8	≥0.3
DN32	G1 1/4"	31	26.0	63-A	0-0.6	≥0.5
				90-A	0-1.6	≥0.6
				90-B	0-1.3	≥0.45
DN40	G1 1/2"	35	32.0	63-A	0-0.5	≥0.5
				90-A	0-1.6	≥0.6
				90-B	0-1.1	≥0.45
DN50	G2"	45	52	63-A	0-0.2	≥0.5
				90-A	0-1.0	≥0.6
				90-B	0-0.7	≥0.45
				125-A	0-1.6	≥0.55
				125-B	0-1.1	≥0.45
DN65	G3"	61	83.2	90-A	0-0.5	≥0.6
				90-B	0-0.2	≥0.45
				125-A	0-0.9	≥0.55
				125-B	0-0.6	≥0.45
				125-D	0-0.5	≥0.35
DN80	G2 1/2"	80	119	125-A	0-0.5	≥0.55
				125-B	0-0.3	≥0.45
				125-C	0-0.2	≥0.35
DN100	G4"	90	132	125-A	0-0.25	≥0.55



Çift Etkili Normalde Kapalı (NK) Vana Yatağının Altından Giriş

Ölçü	Dişli Ucu	Orifis(mm)	Akış Değeri Kw(m3/h)	Aktüatör	Diferansiyel Basınç Aralığı P(MPa)	Kontrol Basıncı (MPa)
DN8	G1/4"	13	2.2	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN10	G3/8"	13	3.9	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN15	G1/2"	13	4.3	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN20	G3/4"	18	7.6	50	0-1.6	≥0.3
DN25	G1"	24	15.8	50	0-1.3	0.3-0.6
				63	0-1.6	0.3-0.4
DN32	G1 1/4"	31	26.0	63	0-1.6	0.3-0.6
				90	0-1.6	0.3-0.4
DN40	G1 1/2"	35	32.0	63	0-1.6	0.3-0.7
				90	0-1.6	0.3-0.5
DN50	G2"	45	52.0	63	0-0.8	0.3-0.75
				90	0-1.6	0.3-0.6
				125	0-1.6	0.3-0.4
DN65	G2 1/2"	61	83.2	90	0-1.1	0.3-0.7
				125	0-1.6	0.3-0.55
DN80	G3"	80	119	125	0-1.6	0.3-0.65
DN100	G4"	90	132	125	0-1.2	0.4-0.5

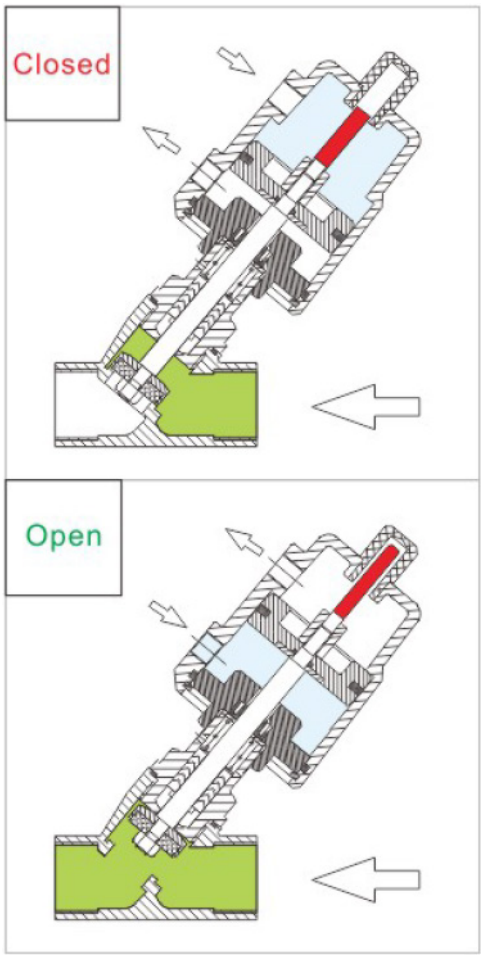


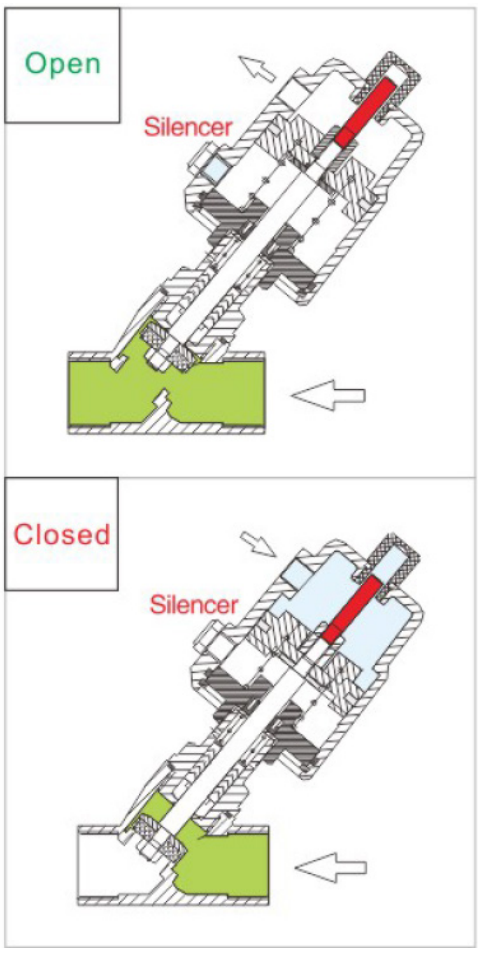
Çift Etkili Yaysız Vana Yatağının Girişi

Ölçü	Dişli Ucu	Orifis(mm)	Akış Değeri Kw(m3/h)	Aktüatör	Diferansiyel Basınç Aralığı P(MPa)	Kontrol Basıncı (MPa)
DN8	G1/4”	13	2.2	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN10	G3/8”	13	3.9	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN15	G1/2”	13	4.3	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN20	G3/4”	18	7.6	50	0-1.6	0.3-0.4
DN25	G1”	24	15.8	50	0-1.6	0.3-0.45
				63	0-1.6	0.3-0.35
DN32	G1 1/4”	31	26.0	63	0-1.6	0.3-0.55
				90	0-1.6	0.3-0.4
DN40	G1 1/2”	35	32.0	63	0-1.6	0.3-0.65
				90	0-1.6	0.3-0.4
DN50	G2”	45	52.0	63	0-1.0	0.3-0.7
				90	0-1.6	0.3-0.45
				125	0-1.6	0.3-0.4
DN65	G2 1/2”	61	83.2	90	0-1.0	0.3-0.6
				125	0-1.6	0.3-0.4
DN80	G3”	80	119	125	0-1.2	0.3-0.7

Normalde Açık(NA) Vana Yatağının Girişi

Ölçü	Dişli Ucu	Orifis(mm)	Akış Değeri Kw(m3/h)	Aktüatör	Diferansiyel Basınç Aralığı P(MPa)	Kontrol Basıncı (MPa)
DN8	G1/4”	13	2.2	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN10	G3/8”	13	3.9	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN15	G1/2”	13	4.3	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN20	G3/4”	18	7.6	50	0-1.2	≥0.3
DN25	G1”	24	15.8	50	0-0.3	≥0.3
				63	0-1.6	≥0.45
DN32	G1 1/4”	31	26.0	63	0-1.4	≥0.45
DN40	G1 1/2”	35	32.0	63	0-1.4	≥0.45
DN50	G2”	45	52.0	63	0-0.6	≥0.45



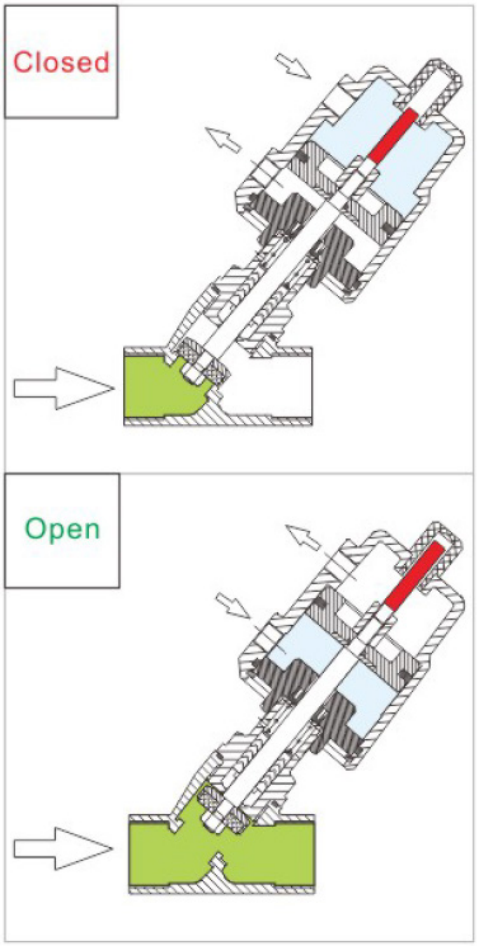


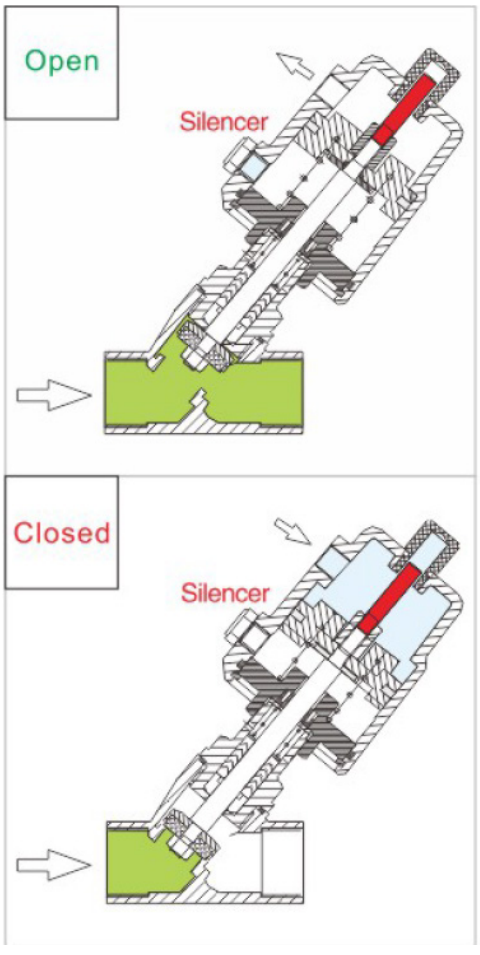
Çift Etkili Yaysız Vana Yatağının Altından Giriş

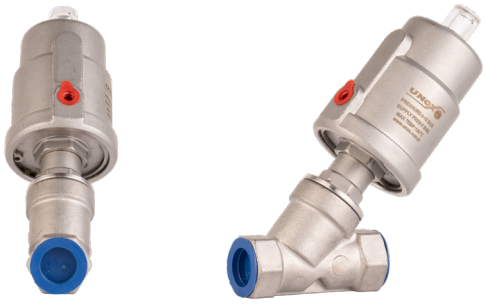
Ölçü	Dişli Ucu	Orifis(mm)	Akış Değeri Kw(m3/h)	Aktüatör	Diferansiyel Basınç Aralığı P(MPa)	Kontrol Basıncı (MPa)
DN8	G1/4"	13	2.2	40	0-1.6	0.3-0.4
				50	0-1.6	0.3-0.4
DN10	G3/8"	13	3.9	40	0-1.6	0.3-0.4
				50	0-1.6	0.3-0.4
DN15	G1/2"	13	4.3	40	0-1.6	0.3-0.4
				50	0-1.6	0.3-0.4
DN20	G3/4"	18	7.6	50	0-1.6	0.3-0.4
DN25	G1"	24	15.8	50	0-1.6	0.3-0.65
				63	0-1.6	0.3-0.55
DN32	G1 1/4"	31	26.0	63	0-1.6	0.3-0.7
				90	0-1.6	0.3-0.45
DN40	G1 1/2"	35	32.0	63	0-1.2	0.3-0.75
				90	0-1.6	0.3-0.5
DN50	G2"	45	52.0	63	0-0.4	0.3-0.75
				90	0-1.6	0.3-0.6
				125	0-1.6	0.3-0.4
DN65	G2 1/2"	61	83.2	90	0-1.0	0.3-0.75
				125	0-1.6	0.3-0.6
DN80	G3"	80	119	125	0-1.0	0.3-0.7
DN100	G4"	90	132	125	0-0.8	0.3-0.75

Normalde Açık(NA) Vana Yatağının Altından Giriş

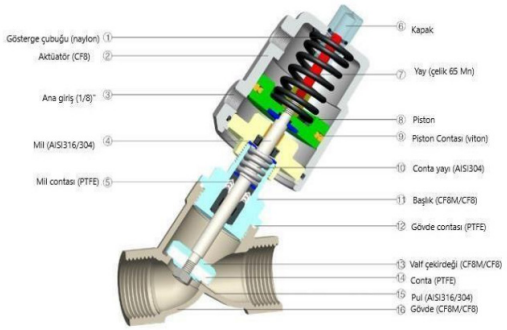
Ölçü	Dişli Ucu	Orifis(mm)	Akış Değeri Kw(m3/h)	Aktüatör	Diferansiyel Basınç Aralığı P(MPa)	Kontrol Basıncı (MPa)
DN8	G1/4"	13	2.2	40	0-1.6	0.3-0.5
				50	0-1.6	0.3-0.4
DN10	G3/8"	13	3.9	40	0-1.6	0.3-0.5
				50	0-1.6	0.3-0.4
DN15	G1/2"	13	4.3	40	0-1.6	0.3-0.5
				50	0-1.6	0.3-0.4
DN20	G3/4"	18	7.6	50	0-1.6	0.3-0.6
DN25	G1"	24	15.8	50	0-1.3	0.3-0.6
				63	0-1.6	0.3-0.5
DN32	G1 1/4"	31	26.0	63	0-1.3	0.3-0.6
DN40	G1 1/2"	35	32.0	63	0-0.7	0.3-0.6
				90	0-1.6	0.3-0.35
DN50	G2"	45	52.0	63	0-0.5	0.3-0.6
				90	0-1.2	0.3-0.6
DN65	G2 1/2"	61	83.2	90	0-0.75	0.3-0.5
				125	0-1.4	0.3-0.7
DN80	G3"	80	119	125	0-1.2	0.3-0.7







PNEUMATIC PISTON THREADED VALVE



General Features

Pneumatic Piston Valve is a valve used to cut off the flow and re-flow on installations where aggressive chemicals and steam are present.

Function Prenciple

The valve remains closed (open) by spring force in normal conditi-on. When the piston is driven by compressed air, the valve opens (closes). For the double-acting type, the valve is open and the compressed air is closed.

Application

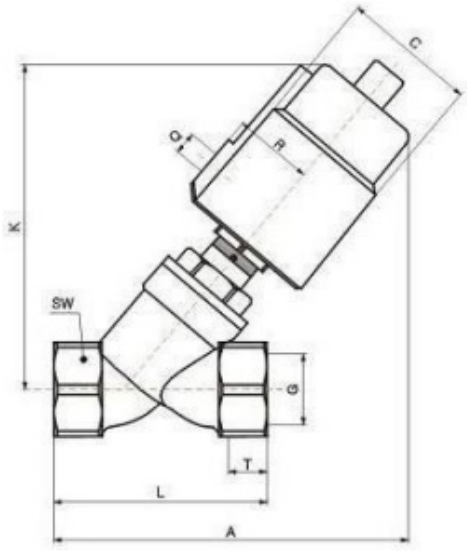
- Beverage bottling machines
- gas industry
- High temperature disinfection
- Water / sewage treatment
- Textile printing and dyeing
- chemical industry
- Foaming equipment

Advantages

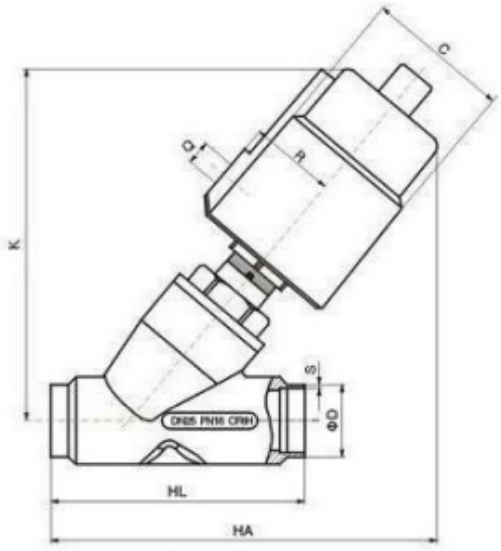
- Large flow is not affected by low resistance water hammer.
- It provides 30% smooth flow with its Y type shape and exten-ded flow area.
- Ability to work for many years.
- The body adjusts and lubricates itself automatically. It mini-mizes your maintenance cost.
- The cylinder can rotate 360 degrees and is completely made of stainless steel. This gives you a very high performance.

Technical Specification

- Fluid Pressure Max. 1.6M Pa (232 psi)
- Control Pressure 0.3-0.8 MPa (43.5 - 116 psi)
- Control Fluid Neutral gas, Air
- Body Material CF8M / CF8
- Gasket Material PTFE
- Actuator Material CF8
- Actuator Size 40mm, 50mm, 63mm, 90mm, 125mm
- Applicable Liquid Water, Alcohol, Oil, Fuel, Steam, Neutral gas or liquid, Organic solvent, Acid and caustic
- Fluid Viscosity Max. 600mm^2/s
- Fluid Temperature -10 ° C— + 200 ° C
- Ambient Temperature -10 °C— + 80°C
- Control Type Normally closed, Normally open, Double action



Threaded Connection



Welded Connection

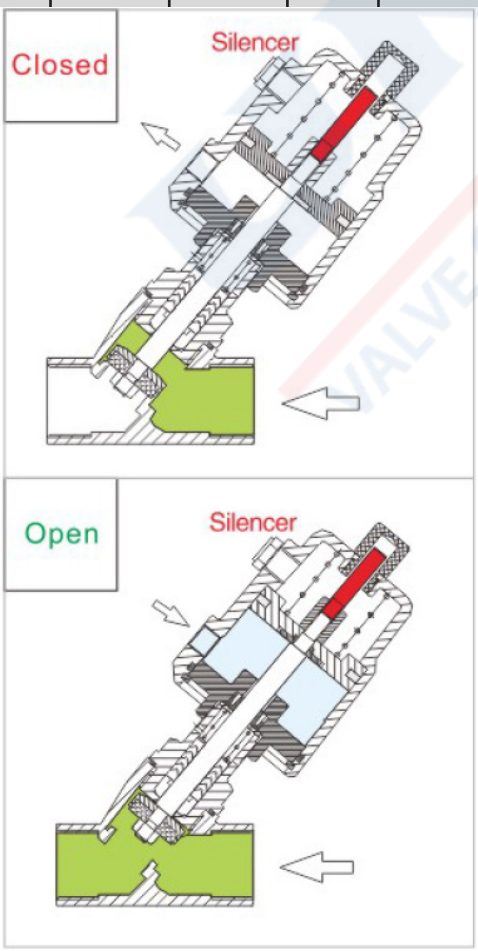
Size	Actuator (mm)	Q	C	R	K	THREADED CONNECTION					WELDED CONNECTION					
						G	T	A	L	SW	HA	HL	DIN11850-2		DIN11850-3	
													D	S	D	S
DN10	40	1/8”	50.5	27	112	3/8”	12	124	68	27	-	-	-	-	-	-
	50	1/8”	60	33	125			162			-					
DN15	40	1/8”	50.5	27	112	1/2”	15	124	68	27	118	70	19	1.5	20	2
	50	1/8”	60	33	125			165			128					
DN20	50	1/8”	60	33	132	3/4”	16	140	75	32	135	82	23	1.5	24	2
DN25	50	1/8”	60	33	136	1”	17	150	90	40	150	100	29	1.5	30	2
	63	1/8”	75	41	162			172			175					
	90AL	1/8”	112	57	210			215			216					
	90	1/8”	106	55	211			216			218					
DN32	63	1/8”	75	41	174	11/4”	21	190	116	50	186	125	35	1.5	36	2
	90AL	1/8”	112	57	220			230			230					
	90	1/8”	106	55	223			235			232					
DN40	63	1/8”	75	41	175	11/2”	21	190	116	56	190	130	41	1.5	42	2
	90AL	1/8”	112	57	220			230			232					
	90	1/8”	106	55	223			235			235					
DN50	63	1/8”	75	41	232	2”	22	205	138	69	206	155	5	1.5	54	2
	90AL	1/8”	112	57	232			245			247					
	90	1/8”	106	55	300			250			250					
	125AL	1/4”	170	85	262			305			307					
DN65	90AL	1/8”	170	57	262	21/2”	26	282	178	85	-	-	-	-	-	-
	90	1/8”	112	55	265			285			-	-	-	-	-	-
	125AL	1/4”	106	85	315			327			-	-	-	-	-	-
								270			315	270	70	2	-	-
DN65 Square Opening	90AL	1/8”	112	57	280			275			320				-	-
											360				-	-
DN80 Square Opening	125AL	1/4/”	170	85	355	3”	27	340	210	100	360	284	58	2	-	-
DN80	125AL	1/4/”	170	85	327			380			-	-	-	-	-	-

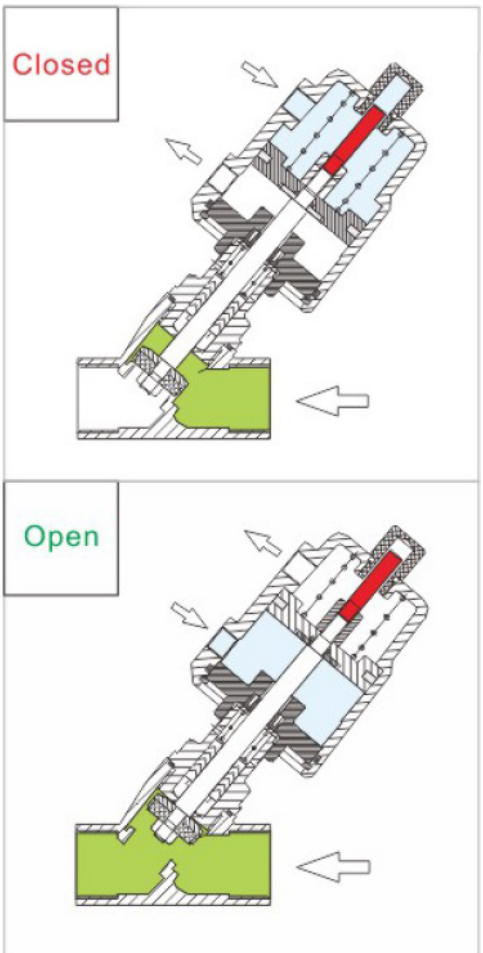
Single Acting Normally Closed (NC) Enter Above Seat

Size	Threaded End	Orifice(mm)	Flow Switch Kw(m3/h)	Actuator	Differential Pressure Range P(MPa)	Control Pressure (MPa)
DN8	G1/4"	9.5	1.8	28	0-1.0	0.5-0.7
		13	2.2	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN10	G3/8"	9.5	2	28	0-1.0	0.5-0.7
		13	3.9	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN15	G1/2"	9.5	2.2	28	0-1.0	0.5-0.7
		13	4.3	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN20	G3/4"	18	7.6	63	0-1.6	0.3-0.4
DN25	G1"	24	15.8	63	0-1.6	0.3-0.45
				90	0-1.6	0.3-0.35
DN32	G1 1/4"	31	26.0	63	0-1.6	0.3-0.55
				90	0-1.6	0.3-0.35
DN40	G1 1/2"	35	32.0	63	0-1.6	0.3-0.65
				90	0-1.6	0.3-0.4
DN50	G2"	45	52.0	63	0-0.9	0.3-0.7
				90	0-1.6	0.3-0.45
				125	0-1.6	0.3-0.4
DN65	G3"	61	83.2	90	0-1.0	0.3-0.6
				125	0-1.6	0.3-0.4
DN80	G2 1/2"	80	119	125	0-1.2	0.3-0.7

Double Acting Normally Closed (NC) Enter Above Seat

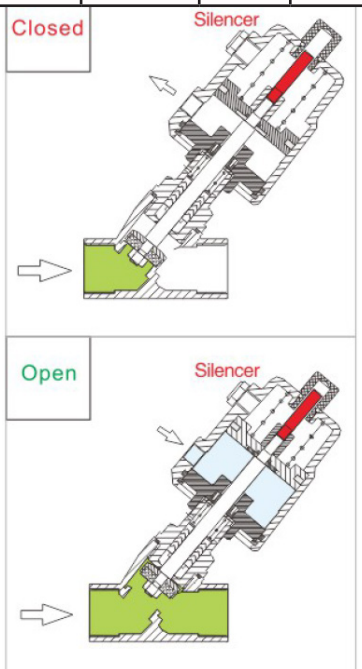
Size	Threaded End	Orifice(mm)	Flow Switch Kw(m3/h)	Actuator	Differential Pressure Range P(MPa)	Control Pressure (MPa)
DN8	G1/4"	13	2.2	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN10	G3/8"	13	3.9	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN15	G1/2"	13	4.3	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN20	G3/4"	18	7.6	50	0-1.6	0.3-0.4
DN25	G1"	24	15.8	50	0-1.6	0.3-0.45
				63	0-1.6	0.3-0.35
DN32	G1 1/4"	31	26.0	63	0-1.6	0.3-0.55
				90	0-1.6	0.3-0.35
DN40	G1 1/2"	35	32.0	63	0-1.6	0.3-0.65
				90	0-1.6	0.3-0.4
DN50	G2"	45	52.0	63	0-0.9	0.3-0.7
				90	0-1.6	0.3-0.45
				125	0-1.6	0.3-0.4
DN65	G3"	61	83.2	90	0-1.0	0.3-0.6
				125	0-1.6	0.3-0.4
DN80	G2 1/2"	80	119	125	0-1.2	0.3-0.7





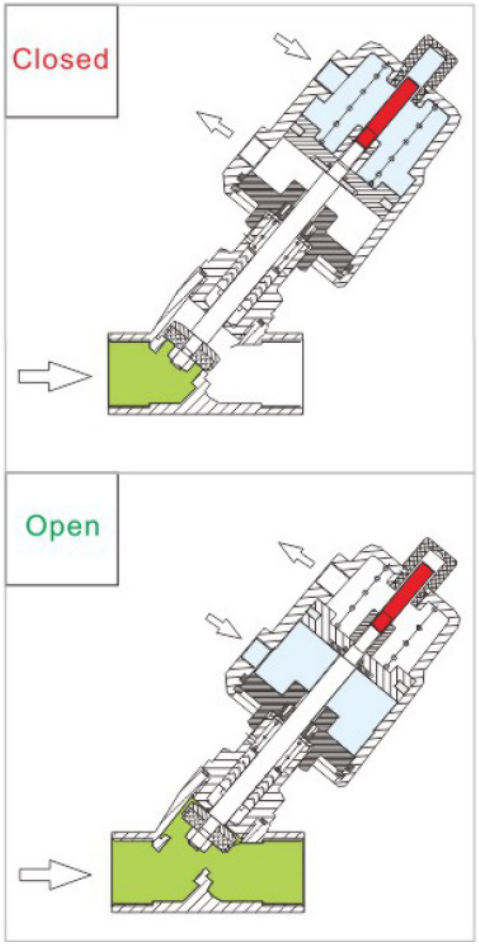
Single Acting Normally Closed (NC) Enter Bellow Seat

Size	Threaded End	Orifice(mm)	Flow Switch Kw(m3/h)	Actuator	Differential Pressure Range P(MPa)	Control Pressure (MPa)
DN8	G1/4"	9.5	1.8	28-A	0-1.0	≥0.5
		13	2.2	40-A	0-1.3	≥0.4
				50-A	0-1.4	≥0.45
DN10	G3/8"	9.5	2	28-A	0-1.0	≥0.5
		13	3.9	40-A	0-1.3	≥0.4
				50-A	0-1.4	≥0.45
DN15	G1/2"	9.5	2.2	28-A	0-1.0	≥0.5
		13	4.3	40-A	0-1.3	≥0.4
				50-A	0-1.4	≥0.45
DN20	G3/4"	18	7.6	50-A	0-1.4	≥0.45
DN25	G1"	24	15.8	50-A	0-0.8	≥0.45
				63-A	0-1.3	≥0.5
				63-B	0-0.8	≥0.3
DN32	G1 1/4"	31	26.0	63-A	0-0.6	≥0.5
				90-A	0-1.6	≥0.6
				90-B	0-1.3	≥0.45
DN40	G1 1/2"	35	32.0	63-A	0-0.5	≥0.5
				90-A	0-1.6	≥0.6
				90-B	0-1.1	≥0.45
DN50	G2"	45	52	63-A	0-0.2	≥0.5
				90-A	0-1.0	≥0.6
				90-B	0-0.7	≥0.45
				125-A	0-1.6	≥0.55
				125-B	0-1.1	≥0.45
DN65	G3"	61	83.2	90-A	0-0.5	≥0.6
				90-B	0-0.2	≥0.45
				125-A	0-0.9	≥0.55
				125-B	0-0.6	≥0.45
				125-D	0-0.5	≥0.35
DN80	G2 1/2"	80	119	125-A	0-0.5	≥0.55
				125-B	0-0.3	≥0.45
				125-C	0-0.2	≥0.35
DN100	G4"	90	132	125-A	0-0.25	≥0.55



Double Acting Normally Closed (NC) Enter Above Seat

Size	Threaded End	Orifice(mm)	Flow Switch Kw(m3/h)	Actuator	Differential Pressure Range P(MPa)	Control Pressure (MPa)
DN8	G1/4"	13	2.2	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN10	G3/8"	13	3.9	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN15	G1/2"	13	4.3	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN20	G3/4"	18	7.6	50	0-1.6	≥0.3
DN25	G1"	24	15.8	50	0-1.3	0.3-0.6
				63	0-1.6	0.3-0.4
DN32	G1 1/4"	31	26.0	63	0-1.6	0.3-0.6
				90	0-1.6	0.3-0.4
DN40	G1 1/2"	35	32.0	63	0-1.6	0.3-0.7
				90	0-1.6	0.3-0.5
DN50	G2"	45	52.0	63	0-0.8	0.3-0.75
				90	0-1.6	0.3-0.6
				125	0-1.6	0.3-0.4
DN65	G2 1/2"	61	83.2	90	0-1.1	0.3-0.7
				125	0-1.6	0.3-0.55
DN80	G3"	80	119	125	0-1.6	0.3-0.65
DN100	G4"	90	132	125	0-1.2	0.4-0.5

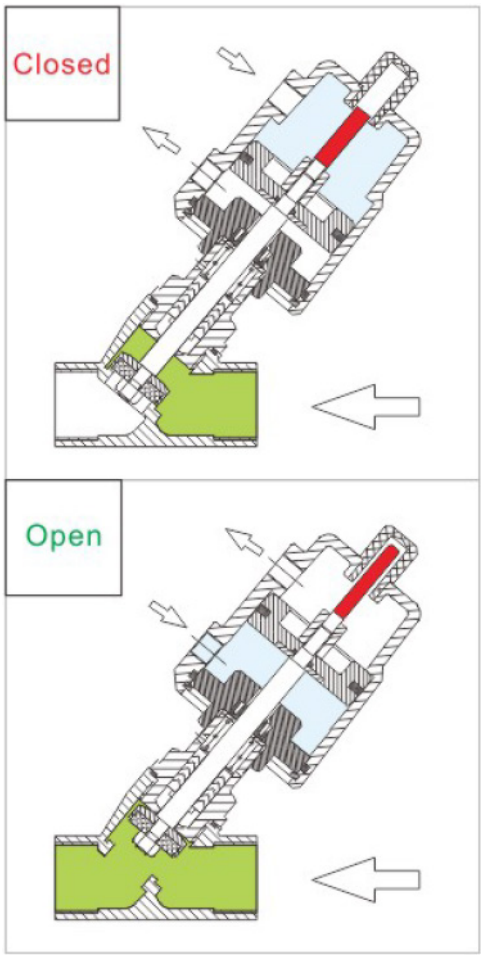


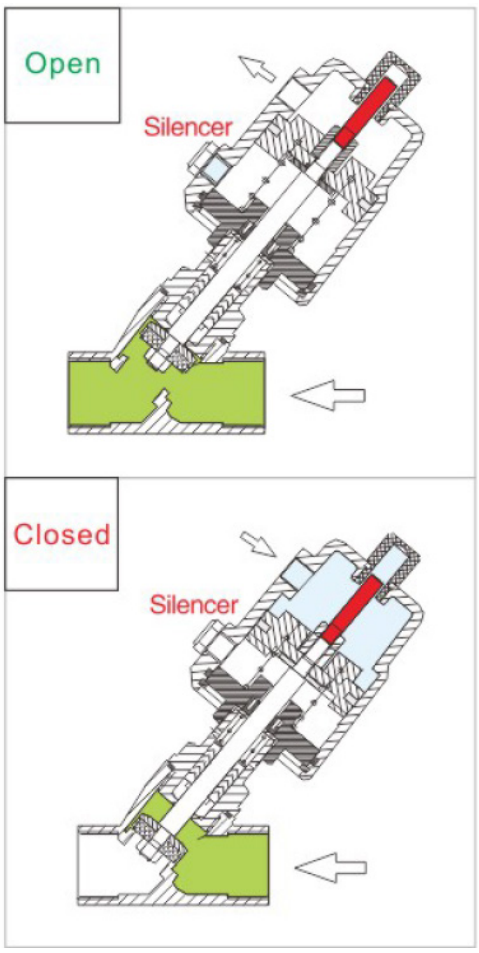
Double Acting Without Spring Enter Above Seat

Size	Threaded End	Orifice(mm)	Flow Switch Kw(m3/h)	Actuator	Differential Pressure Range P(MPa)	Control Pressure (MPa)
DN8	G1/4"	13	2.2	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN10	G3/8"	13	3.9	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN15	G1/2"	13	4.3	40	0-1.6	0.3-0.45
				50	0-1.6	0.3-0.35
DN20	G3/4"	18	7.6	50	0-1.6	0.3-0.4
DN25	G1"	24	15.8	50	0-1.6	0.3-0.45
				63	0-1.6	0.3-0.35
DN32	G1 1/4"	31	26.0	63	0-1.6	0.3-0.55
				90	0-1.6	0.3-0.4
DN40	G1 1/2"	35	32.0	63	0-1.6	0.3-0.65
				90	0-1.6	0.3-0.4
DN50	G2"	45	52.0	63	0-1.0	0.3-0.7
				90	0-1.6	0.3-0.45
				125	0-1.6	0.3-0.4
DN65	G2 1/2"	61	83.2	90	0-1.0	0.3-0.6
				125	0-1.6	0.3-0.4
DN80	G3"	80	119	125	0-1.2	0.3-0.7

Normally Open(NO) Enter Above Seat

Size	Threaded End	Orifice(mm)	Flow Switch Kw(m3/h)	Actuator	Differential Pressure Range P(MPa)	Control Pressure (MPa)
DN8	G1/4"	13	2.2	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN10	G3/8"	13	3.9	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN15	G1/2"	13	4.3	40	0-1.6	≥0.3
				50	0-1.6	≥0.3
DN20	G3/4"	18	7.6	50	0-1.2	≥0.3
DN25	G1"	24	15.8	50	0-0.3	≥0.3
				63	0-1.6	≥0.45
DN32	G1 1/4"	31	26.0	63	0-1.4	≥0.45
DN40	G1 1/2"	35	32.0	63	0-1.4	≥0.45
DN50	G2"	45	52.0	63	0-0.6	≥0.45





Double Acting Without Spring Enter Bellow Seat

Size	Threaded End	Orifice(mm)	Flow Switch Kw(m3/h)	Actuator	Differential Pressure Range P(MPa)	Control Pressure (MPa)
DN8	G1/4"	13	2.2	40	0-1.6	0.3-0.4
				50	0-1.6	0.3-0.4
DN10	G3/8"	13	3.9	40	0-1.6	0.3-0.4
				50	0-1.6	0.3-0.4
DN15	G1/2"	13	4.3	40	0-1.6	0.3-0.4
				50	0-1.6	0.3-0.4
DN20	G3/4"	18	7.6	50	0-1.6	0.3-0.4
DN25	G1"	24	15.8	50	0-1.6	0.3-0.65
				63	0-1.6	0.3-0.55
DN32	G1 1/4"	31	26.0	63	0-1.6	0.3-0.7
				90	0-1.6	0.3-0.45
DN40	G1 1/2"	35	32.0	63	0-1.2	0.3-0.75
				90	0-1.6	0.3-0.5
DN50	G2"	45	52.0	63	0-0.4	0.3-0.75
				90	0-1.6	0.3-0.6
				125	0-1.6	0.3-0.4
DN65	G2 1/2"	61	83.2	90	0-1.0	0.3-0.75
				125	0-1.6	0.3-0.6
DN80	G3"	80	119	125	0-1.0	0.3-0.7
DN100	G4"	90	132	125	0-0.8	0.3-0.75

Normally Open(NO) Enter Bellow Seat

Size	Threaded End	Orifice(mm)	Flow Switch Kw(m3/h)	Actuator	Differential Pressure Range P(MPa)	Control Pressure (MPa)
DN8	G1/4"	13	2.2	40	0-1.6	0.3-0.5
				50	0-1.6	0.3-0.4
DN10	G3/8"	13	3.9	40	0-1.6	0.3-0.5
				50	0-1.6	0.3-0.4
DN15	G1/2"	13	4.3	40	0-1.6	0.3-0.5
				50	0-1.6	0.3-0.4
DN20	G3/4"	18	7.6	50	0-1.6	0.3-0.6
DN25	G1"	24	15.8	50	0-1.3	0.3-0.6
				63	0-1.6	0.3-0.5
DN32	G1 1/4"	31	26.0	63	0-1.3	0.3-0.6
DN40	G1 1/2"	35	32.0	63	0-0.7	0.3-0.6
				90	0-1.6	0.3-0.35
DN50	G2"	45	52.0	63	0-0.5	0.3-0.6
				90	0-1.2	0.3-0.6
DN65	G2 1/2"	61	83.2	90	0-0.75	0.3-0.5
				125	0-1.4	0.3-0.7
DN80	G3"	80	119	125	0-1.2	0.3-0.7