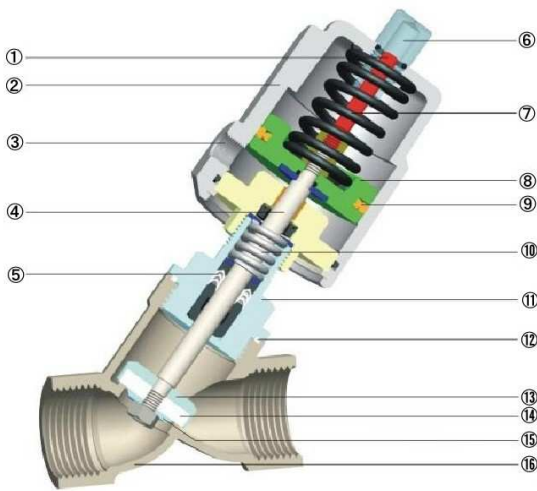


Y 型蒸氣閥 100 系列

Piston Actuated Valve 100 Series



- ① 指示桿 Indication Rod(nylon) ② 氣缸 Actuator(CF8)
- ③ 進氣孔 Pilot Port(1/8") ④ 閥桿 Stem(AISI316/304)
- ⑤ 閥桿密封組件 Stem Seal(PTFE) ⑥ 視窗 Cap(PC)
- ⑦ 彈簧 Spring(Steel 65Mn)
- ⑧ 活塞 Piston(Alu.alloy)
- ⑨ 活塞環 Piston Seal(Viton)
- ⑩ 密封彈簧 Seal Spring(AISI304)
- ⑪ 連接 Connecting Piece(CF8M/CF8)
- ⑫ 閥體密封墊 Body Seal(PTFE)
- ⑬ 閥芯 Valve core(CF8M/CF8) ⑭ 閥芯密封墊 Seat(PTFE)
- ⑮ 墊片 Gasket(AISI316/304) ⑯ 閥體 Body(CF8M/CF8)

工作原理

在非工作狀態時,由於彈簧力作用,閥門常閉(開);當執行器活塞被壓縮空氣作用時,閥門即打開(關閉)。雙作用形式靠壓縮空氣控制閥門開關。

應用範圍

- 啤酒飲料罐裝設備
- 印花紡織
- 氣體工業
- 製藥及醫療設備
- 化工行業
- 高溫滅菌
- 發泡機械
- 水/汙水處理

特點

- 流量大、流阻小、無水錘
- Y 型設計,增加 30% 流量
- 超長使用壽命
- 閥桿自動校正,自潤滑,免維護
- 氣缸採用不鏽鋼材質,在惡劣環境中更加優秀,可 360° 旋轉。

Function Principle

Valve is closed(open) with spring force, when the piston is actuated by compressed air, valve is open(closed). For the double acting type, the valve is open and closed by compressed air.

Applications

- Beer & Drink Filling Machinery
- Textile Printing & Dyeing
- Gas Industry
- Pharmacy & Medical Equipment
- Chemical Industry
- Disinfection
- Frothing Equipment
- Water/Sewage Disposal

Advantages

- Large flux, Low resistance, No water -hammer.
- Y-type shape enlarged the flowing section, which could raise the flux by 30% and make flow more smooth.
- Super long life
- Which help the stem adjust and lubricate itself automatically.
- The cylinder material is Stainless steel. lubricating automatically, 360° rolling freely.

產品規格 SPECIFICATION

管道壓力 Fluid Pressure	Max 16 bar
控制壓力 Control Pressure	3~8 bar
控制介質 Control Fluid	中性氣體或空氣 Neutral gas, Air
氣缸尺寸 Actuator Material	40mm, 50mm, 63mm, 90mm, 125mm
適用介質 Applicable Fluid	水、酒精、油、燃料、蒸氣、中性氣體或液體、有機溶劑、酸鹼溶液 Water, Alcohol, Oil, Fuel, Steam, Neutral gas or liquid, Organic solvent, Acid and lye
介質黏度 Fluid Viscosity	Max 600mm ² /s
介質溫度 Fluid Temperature	-10°C~180°C, 25°C~220°C
環境溫度 Ambient Temperature	-10°C~80°C
控制形式 Control Type	單動-常閉、單動-常開、雙動 Normally closed, Normally open, Double acting
連接形式 Connection	螺紋式、焊接式、法蘭式、快裝式 Threaded(BSP, BSPT, NPT), Welded, Flanged, Tri-clamp

管道&控制壓力參數表 Pressure Data Sheet

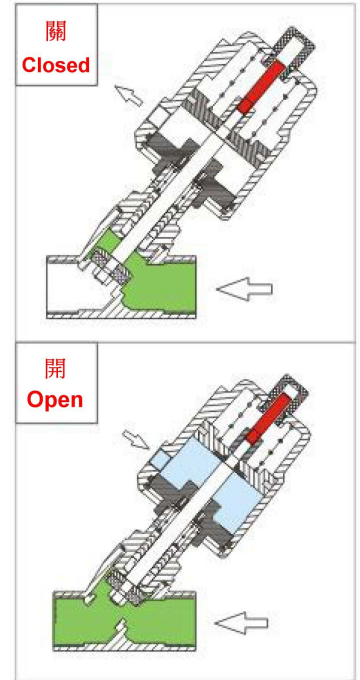
單作用常閉閥-閥座上流

Single Acting, Normally Closed(NC)-Enter Above Seat

適用於可壓縮性介質,例如氣體,水蒸氣等;以及壓力較低的液體介質

Suitable for condensable media, such as air, steam; and low liquid media

規格 Size	接口 Thread end	內孔 Orifice(mm)	流量值 Kv(m ³ /h)	執行器 Actuator(mm)	壓差範圍 △P(bar)	控制壓力 Control Pressure(bar)
DN10	G3/8"	13	3.8	40	0-16	3-4.5
				50	0-16	3-3.5
DN15	G1/2"	13	4.7	40	0-16	3-4.5
				50	0-16	3-3.5
DN20	G3/4"	18	9.5	50	0-16	3-4
DN25	G1"	24	18.1	50	0-16	3-4.5
				63	0-16	3-3.5
DN32	G1 1/4"	31	23.1	63	0-16	3-5.5
				90	0-16	2.5-3.5
DN40	G1 1/2"	35	32.9	63	0-16	3-6.5
				90	0-16	2.5-4
DN50	G2"	45	52.8	63	0-10	3-7
				90	0-16	2.5-4.5
DN65	G2 1/2"	61	82.6	90	0-10	2.5-6
				125	0-16	3-4
DN80	G3"	80	127	125	0-16	3-7



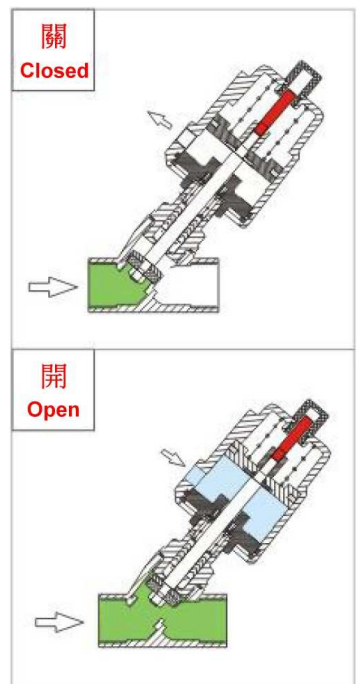
單作用常閉閥-閥座下流(防水錘)

Single Acting, Normally Closed(NC)-Enter Below Seat(NO Water-hammer)

適用於防水錘管道,可承受一定壓差

Flow come from below seat, avoid water hammer

規格 Size	接口 Thread end	內孔 Orifice(mm)	流量值 Kv(m ³ /h)	執行器 Actuator(mm)	壓差範圍 △P(bar)	控制壓力 Control Pressure(bar)
DN10	G3/8"	13	3.8	40	0-11	3
				50	0-14	3
DN15	G1/2"	13	4.7	40	0-11	3
				50	0-14	3
DN20	G3/4"	18	9.5	50	0-14	3
DN25	G1"	24	18.1	50	0-4	3
				63	0-14	4.5
				90	0-16	5
DN32	G1 1/4"	31	23.1	63	0-6	4.5
				90	0-16	5
DN40	G1 1/2"	35	32.9	63	0-5	4.5
				90	0-16	5
DN50	G2"	45	52.8	90	0-10	5
DN65	G2 1/2"	61	82.6	90	0-7	5
				125	0-9.5	6
DN80	G3"	80	127	125	0-6	6



管道&控制壓力參數表 Pressure Data Sheet

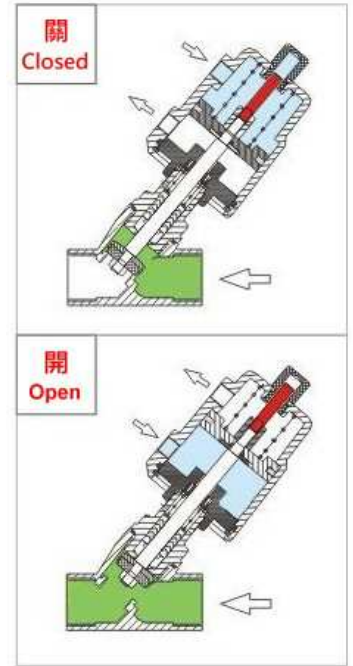
雙作用常閉閥-閥座上流

Double Acting, Normally Closed(NC)-Enter Above Seat

性能可靠,可承受較大壓差;如遇緊急情況,閥門可自動關閉

Suitable for higher ΔP ; valve could be closed if there is emergency

規格 Size	接口 Thread end	內孔 Orifice(mm)	流量值 Kv(m ³ /h)	執行器 Actuator(mm)	壓差範圍 ΔP (bar)	控制壓力 Control Pressure(bar)
DN10	G3/8"	13	3.8	40	0-16	3-4.5
				50	0-16	3-3.5
DN15	G1/2"	13	4.7	40	0-16	3-4.5
				50	0-16	3-3.5
DN20	G3/4"	18	9.5	50	0-16	3-4
DN25	G1"	24	18.1	50	0-16	3-4.5
				63	0-16	3-3.5
DN32	G1 1/4"	31	23.1	63	0-16	3-5.5
				90	0-16	2.5-3.5
DN40	G1 1/2"	35	32.9	63	0-16	3-6.5
				90	0-16	2.5-4
DN50	G2"	45	52.8	63	0-10	3-7
				90	0-16	2.5-4.5
DN65	G2 1/2"	61	82.6	90	0-10	2.5-6
				125	0-16	3-4
DN80	G3"	80	127	125	0-16	3-7



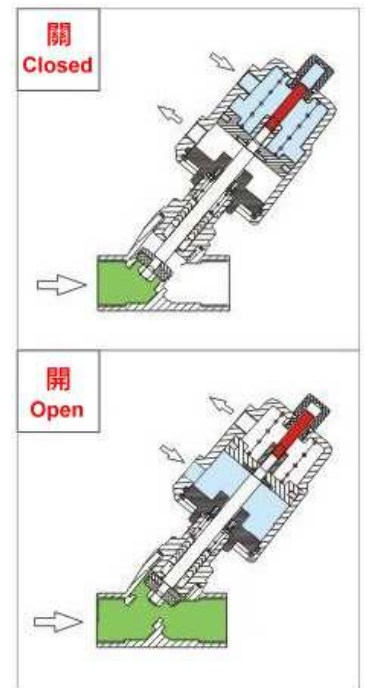
雙作用常閉閥-閥座下流(防水錘)

Double Acting, Normally Closed(NC)-Enter Below Seat

適用於要求高的防水錘管道,可承受較大壓差

Flow come from below seat, avoid water hammer, suitable for higher ΔP

規格 Size	接口 Thread end	內孔 Orifice(mm)	流量值 Kv(m ³ /h)	執行器 Actuator(mm)	壓差範圍 ΔP (bar)	控制壓力 Control Pressure(bar)
DN10	G3/8"	13	3.8	40	0-16	≥ 3
				50	0-16	≥ 3
DN15	G1/2"	13	4.7	40	0-16	≥ 3
				50	0-16	≥ 3
DN20	G3/4"	18	9.5	50	0-16	≥ 3
DN25	G1"	24	18.1	50	0-13	3-5
				63	0-16	3-4
DN32	G1 1/4"	31	23.1	63	0-16	3-6
				90	0-16	2.5-4
DN40	G1 1/2"	35	32.9	63	0-16	3-7
				90	0-16	2.5-5
DN50	G2"	45	52.8	63	0-8	3-7
				90	0-16	2.5-6
DN65	G2 1/2"	61	82.6	90	0-11	2.5-7
				125	0-16	3-5.5
DN80	G3"	80	127	125	0-16	3-6.5



管道&控制壓力參數表 Pressure Data Sheet

常開閥-閥座上流

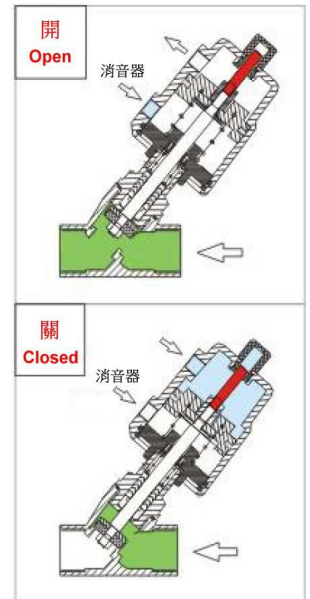
Normally Open(NO)-Enter Above Seat

適用於要求閥門長時間開啟的管道,取下消音器即為雙作用常開閥

Suitable for long time valve open demand;

Taking off silencer, valve could be changed to double acting-NO type

規格 Size	接口 Thread end	內孔 Orifice(mm)	流量值 Kv(m ³ /h)	執行器 Actuator(mm)	壓差範圍 △P(bar)	控制壓力 Control Pressure(bar)
DN10	G3/8"	13	3.8	50	0-16	≥3
DN15	G1/2"	13	4.7	50	0-16	≥3
DN20	G3/4"	18	9.5	50	0-12	≥3
DN25	G1"	24	18.1	63	0-16	≥4.5
DN32	G1 1/4"	31	23.1	63	0-14	≥4.5
DN40	G1 1/2"	35	32.9	63	0-14	≥4.5
DN50	G2"	45	52.8	63	0-6	≥4.5



常開閥-閥座下流(防水錘)

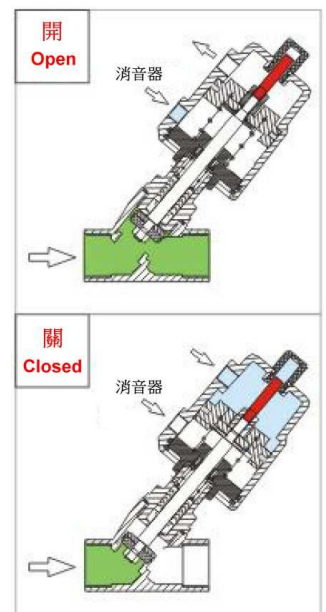
Normally Open(NO)-Enter Below Seat

適用於要求閥門長時間開啟的管道,防水錘,取下消音器即為雙作用常開閥

Suitable for long time valve open demand; avoid water hammer.

Taking off silencer, valve could be changed to double acting-NO type

規格 Size	接口 Thread end	內孔 Orifice(mm)	流量值 Kv(m ³ /h)	執行器 Actuator(mm)	壓差範圍 △P(bar)	控制壓力 Control Pressure(bar)
DN10	G3/8"	13	3.8	50	0-16	2-4
DN15	G1/2"	13	4.7	50	0-16	2-4
DN20	G3/4"	18	9.5	50	0-16	2-6
DN25	G1"	24	18.1	50	0-13	2-6
				63	0-16	2.5-5
DN32	G1 1/4"	31	23.1	63	0-13	2.5-6
DN40	G1 1/2"	35	32.9	63	0-7	2.5-6
DN50	G2"	45	52.8	63	0-5	2.5-6
				90	0-12	2.5-6
DN65	G2 1/2"	61	82.6	125	0-14	2.5-7
DN80	G3"	80	127	125	0-12	2.5-7



型號選擇 Ordering code

100 - DN□ - □SS□ - □

規格Size

10、15、20、25、32

40、50、65、80

執行器Actuator Size

40、50、63、90、125

閥體功能Function

- = Normally Closed常閉

NO = Normally Open常開

D = Double acting雙動

牙口Valve Body

G3/8"(DN10)~G3"(DN80)