



## CHDV Series Y型自动凡而

**SOCKET/ THREADED**

**FLANGED**

**Size: 3/8"- 2"**

### Y Type Diaphragm Valve

#### Operation Instructions(Y型自动隔膜阀操作指示) :

Y type diaphragm valve operation instructions:

1. 阀门开闭动作 (Value Close Operation): 上盖孔入气, 本体排气孔排气  
Air fill in from the cap's air hole and body's air hole clear out the air.
2. 阀门打开动作 : (Value open Operation): 本体孔入气, 上盖孔排气  
Fill air in from the body's air hole and cap's air hole clear out the air.

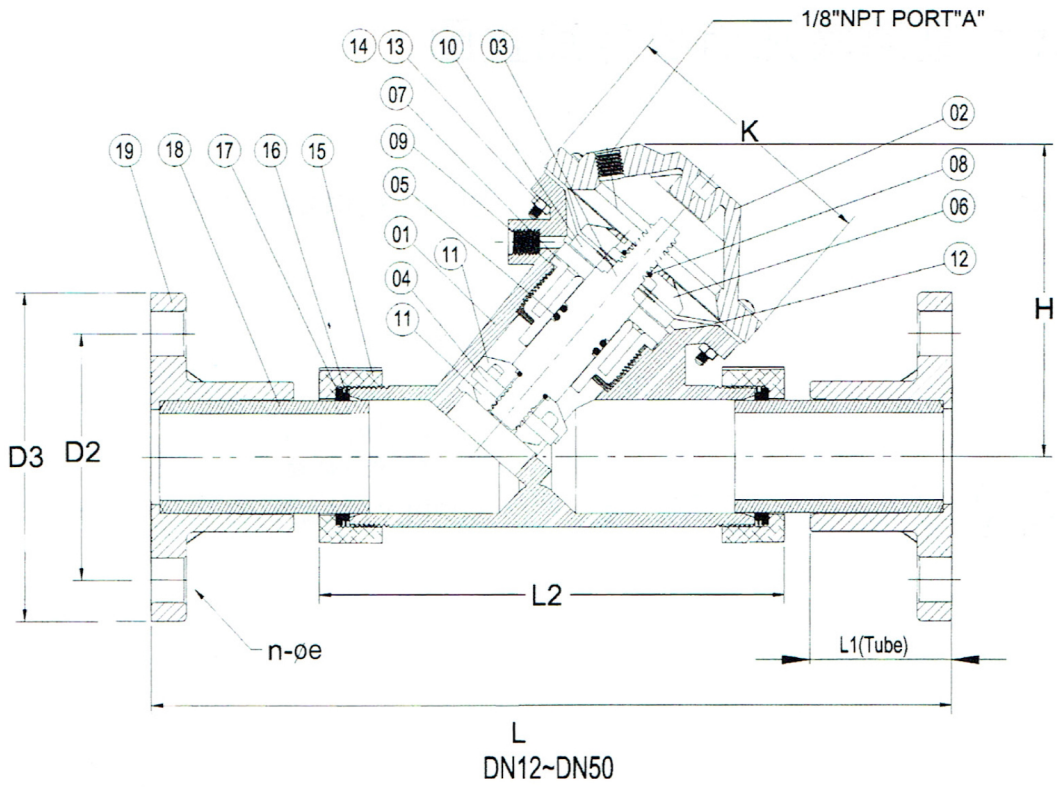
#### 操作限制 Operation Limits:

1. 压力 (pressure):3-8kgf/cm<sup>2</sup>
- 2.3kgf/cm<sup>2</sup> 进入气压可将阀门开启 (由本体气孔)  
3kgf/cm<sup>2</sup> air pressure place on the valve(from the body's air hole)
3. 阀门最大承受压力为 8kgf/cm<sup>2</sup> (即主体入气压 + 管内流体压力)  
The max pressure place on the valve (fill air pressure + flow pressure) is 8kgf/cm<sup>2</sup>
4. 上盖气孔入气气压必须大于流体压力方可开闭阀门  
The inlet air pressure from the cap's air hole must be higher than the flow pressure that can close the valve.

## MATERIALS OF CONSTRUCTION

No.	Parts	n Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	PPS	11	Plate Screw	1	PVDF
2	Bonnet	1	PPS	12	Diaphragm	1	EPDM
3	Disc Plate Screw	1	PVDF	13	Bolt	6/8/12	SUS304
4	Disc	1	EPDM	14	Hex Nut	6/8/12	SUS304
5	Dynamic O'ring	1	EPDM	15	End Seal	2	PPO
6	Shaft	1	PVDF	16	Split Ring	2	EPDM
7	Shaft Guide	1	PPG	17	Retainer Nut	2	PPG
8	Shaft Seal	1	EPDM	18	Tube	2	UPVC
9	Body Seal	1	EPDM	19	Flange	2	UPVC
10	Diaphragm Hader	1	PVDF				

# Y-TYPE AUTOMATIC DIAPHRAGM VALVE(NORMAL OPEN TYPE)

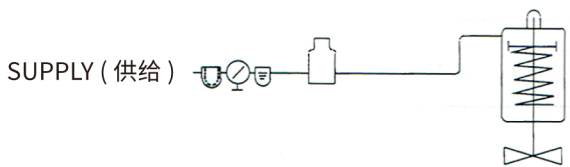
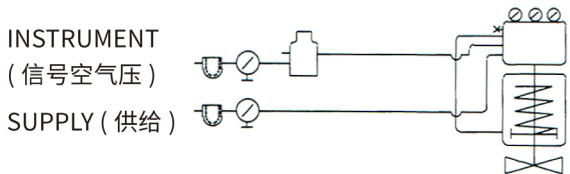
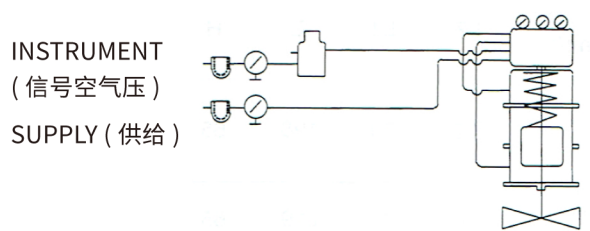
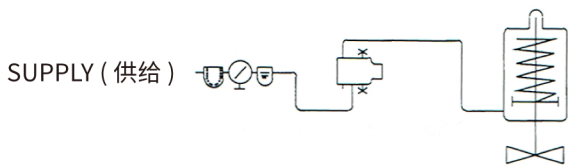
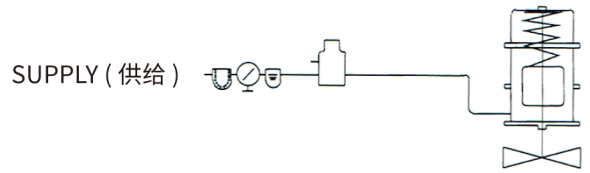
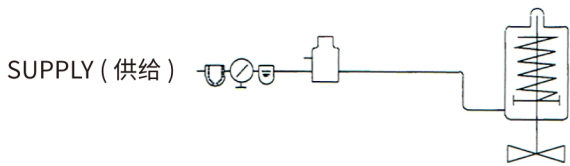
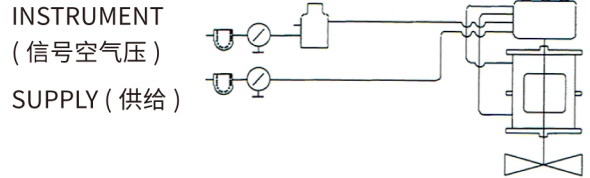
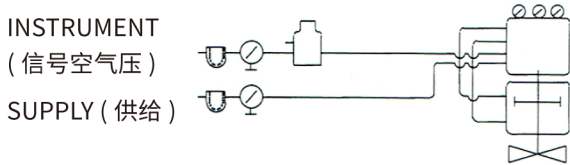
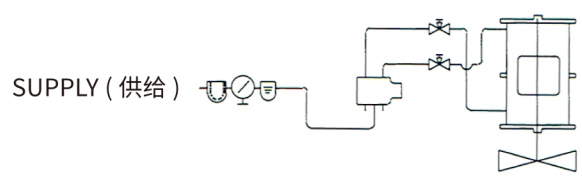
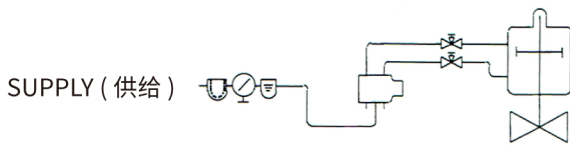


## DIMENSIONS TABLE

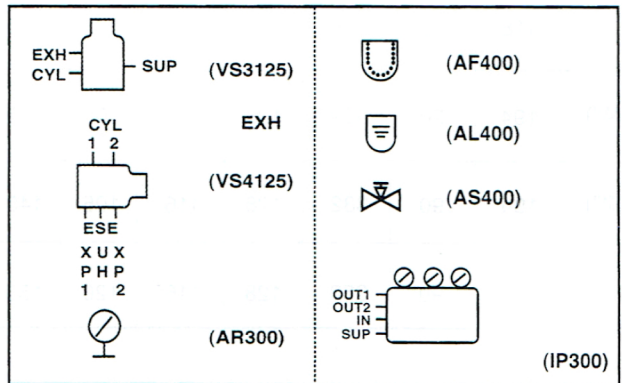
Nom. Size DN(inch)	L2	L1	L	H	K	JIS Unit:mm				ANSI Unit:inch				DIN Unit:mm			
						D2	D3	n	Φe	D2	D3	n	Φe	D2	D3	n	Φe
12(3/8")	100	70	198	65	63	65	90	4	15	2.38	3.50	4	0.63	60	90	4	14
15(1/2")	100	70	219	65	63	70	95	4	15	2.36	3.50	4	0.63	65	95	4	14
20(3/4")	118	80	238	103	83	75	100	4	15	2.75	3.88	4	0.63	75	105	4	14
25(1")	118	80	238	103	83	90	125	4	19	3.13	4.25	4	0.63	85	115	4	14
32(1 1/4")	194	90	332	128	116	100	135	4	19	3.50	4.63	4	0.63	100	140	4	18
40(1 1/2")	194	90	332	128	116	105	140	4	19	3.88	5.00	4	0.63	110	150	4	18
50(2")	194	90	350	128	116	120	155	4	19	4.75	6.00	4	0.75	125	165	4	18

※Standard dimensions based on PVC material

自动式气压隔膜凡而零件配置图



(SPARE PARTS)



隔膜凡而使用温度压力表

(MATERIAL)		(NOM.SIZE) mm(INCH)	15	20	25	40	50	65	80	100	125	150	200	250
(BODY)	(DIAPHRAGM)	Working press°C (F)	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"
U-PVC	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		0°C-20(36-68)(Working)	7	7	7	7	7	7	7	7	5	5	3	3
		21-40(70-100)	7	7	7	7	7	7	7	7	5	4	3	3
		41-60(106-140)	6	6	6	5	5	5	5	5	4	4	3	2
	PTFE	(TEST PRESS)	10	10	10	7	7	7	6	6	5	5	3	3
		0°C-20(36-68)(Working)	7	7	7	5	5	5	4	4	3	3	2	2
		21-40(70-100)	6	6	5	5	5	5	4	4	2	2	2	2
		41-60(106-140)	5	5	5	5	5	4	3	3	2	2	2	2
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		21-40(70-100)	7	7	7	7	7	7	7	7	5	5	3	3
		21-40(70-100)	7	7	7	7	7	7	7	7	5	5	4	3
		21-40(70-100)	6	6	6	5	5	5	5	5	4	3	2.5	2
PP	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	3
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	2
		40-60(106-140)	7	7	7	7	7	7	7	7	5	5	3	2
		61-90(142-194)	7	6	6	6	6	5	5	5	3	3	2	2
	PTFE	(TEST PRESS)	7	7	7	7	7	7	5	5	4	4	3	3
		-20-40(-4-104)	5	5	5		5	5	5	5	3	3	2	2
		40-60(106-140)	5	5	5	5	5	5	5	5	2.5	2	2	2
		61-90(142-194)	5	4	4	4	3	3	3	3	2.5	2	2	2
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	3
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
		40-60(106-140)	7	7	7	7	7	7	7	6	5	4	3	3
		61-90(142-194)	6	6	6	5	5	5	5	4	4	3	2	2
CPVC	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
		40-60(106-140)	7	7	7	7	7	7	7	7	5	4	3	3
		61-90(142-194)	6	6	6	5	5	5	5	4	4	3	2	2
	PTFE	(TEST PRESS)	10	10	10	7	7	6	6	5	4	4	3	3
		-20-40(-4-104)	7	7	5	5	5	5	4	4	2.5	2.5	2	2
		40-60(106-140)	6	6	5	5	5	5	4	4	2	2	2	2
		61-90(142-194)	5	5	5	5	5	4	3	3	2	2	2	2
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
		40-60(106-140)	7	7	7	7	7	5	7	6	5	4	3	3
		61-90(142-194)	6	6	6	5	5	10	5	5	4	3	2.5	2
PPG (FRTP)	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	5	5	5	4	3
		61-90(142-194)	7	7	7	7	6	6	6	5	5	4	3	2
		91-120(196-248)	5	5	5	4	4	4	3	3	3	2	2	1
	PTFE	(TEST PRESS)	7	7	7	7	7	7	6	6	4	4	3	3
		-20-60(-4-140)	5	5	5	5	5	5	5	5	3	3	3	2
		61-90(142-194)	5	4	5	5	5	5	4	4	3	3	2	1
		91-120(196-248)	4	4	4	3	3	3	2	2	2	1	1	1
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	4	3
		61-90(142-194)	7	7	7	7	7	7	7	7	5	5	3	2
		91-120(196-248)	6	6	6	5	5	5	5	3	3	2	2	1
PVDF	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	3	3
		61-90(142-194)	7	7	7	7	7	7	7	7	5	5	5	3
		91-120(196-248)	6	6	6	5	5	5	5	4	4	4	2.5	2
	PTFE	(TEST PRESS)	7	7	7	7	7	7	6	6	5	5	3	3
		-20-60(-4-140)	5	5	5	5	5	7	5	4	4	3	3	2
		61-90(142-194)	5	5	5	5	5	5	4	3	3	2	2	2
		91-120(196-248)	5	5	5	5	4	4	3	3	2	2	2	2
	VITON	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	3	3
		61-90(142-194)	7	7	7	7	7	7	7	7	6	5	4	3
		91-120(196-248)	6	6	6	5	5	5	5	5	4	3	2.5	2