

J&O[®]

J&O FLUID CONTROL CO., LIMITED

Flow Regulating Valve

J&O[®]

J&O FLUID CONTROL CO., LIMITED

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With more than 15 years of market experiences, we have become the leading supplier service for pharmaceutical, chemical, food, Beverage and Lithium battery companies



Site Code



WhatsApp Code

J&O BRAND, RELIABLE QUALITY FOR YOU
CE&ISO 9001:2015 CERTIFIED ACQUIRED
15 YEARS FLUID SOLUTION EXPERIENCES
EXPORTING TO OVER 40 COUNTRIES
EXCELLENT VALUE-ADDED SERVICE.



We focus on Details
We Make Different
J&O Brand,that can be trust.

J&O PROFILE

J&O Fluid Control Co., Limited established in 2008, a leading Manufacturer and Supplier of high quality hygienic stainless steel flow control equipments.

J&O services the Food, Dairy, Beverage, Cosmetic, Pharmaceutical, Biological engineering, Lithium battery, Semiconductor, Water treatment, Petroleum and Chemical industries.

J&O product series consists of sanitary stainless steel Valves & Fittings:

- >>Sanitary Stainless Steel Pumps
- >>Sanitary Stainless Steel Valves
- >>Stainless Steel Tank Accessories
- >>Stainless Steel Pipe Fittings
- >>Stainless Steel Flanges
- >>Stainless Steel Double Ferrule Tube Fittings
- >>Hydraulic Pneumatic Quick Coupling
- >>Carbon Steel Pipe Fittings
- >>Customized Valve and Fittings

Through the years, "Perfection" has been the only goal we pursue. In order to satisfy customers, with continuous efforts, we are working towards perfection through a Quality Assurance System. With persistence and effort, we have become one of the leading enterprises of sanitary valves and pipe fittings in China.

Our organization is dedicated to provide our customers with best service of every aspect. We strongly believe, that the friendship and trust given by our customers, is the great treasure we have.

J&O[®]
J&O FLUID CONTROL CO., LIMITED

Certificate



Plant & Producing



Testing Machine



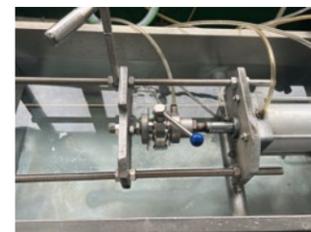
Actuator Testing



Helium Leak Detector



Pressure Test for Large Valve



Pressure Test for Small Valve

Small Flow Regulating Valve

Application

SG/WT series regulating valve is used for precise control of small flow, suitable for occasions such as aviation engineering, research institutions, test workshops, etc. The small flow regulating valve is developed for pharmaceutical, food, chemical and other small flow regulating systems, especially for small container pressure regulating system and micro addition precise control of material regulating system.

Design features

- Small size, light weight, smooth flow passage;
- Sanitary standard design, no dead Angle, no detention;
- The valve disc adopts PTFE sealing structure to achieve zero leakage
- Intelligent positioner is selected to control the adjustment accuracy within 1%;
- Stem seal with packing seal compensation structure, can maximize the service life of the valve;



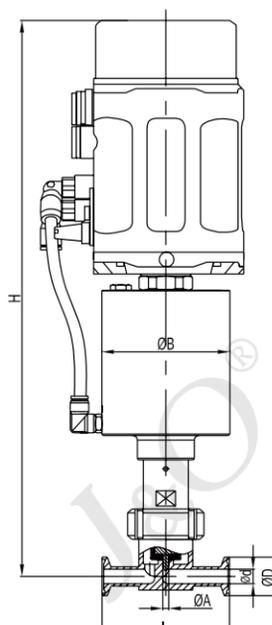
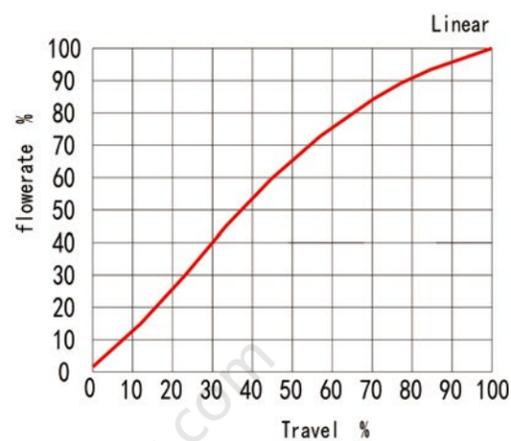
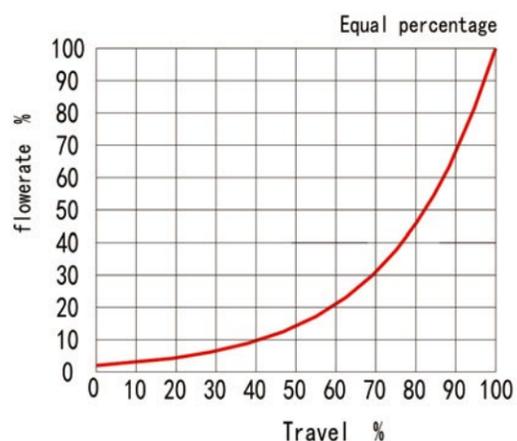
Flow Regulating Valve

Our Core Values: Team, Details, Altruism, Innovation and Embrace Change.

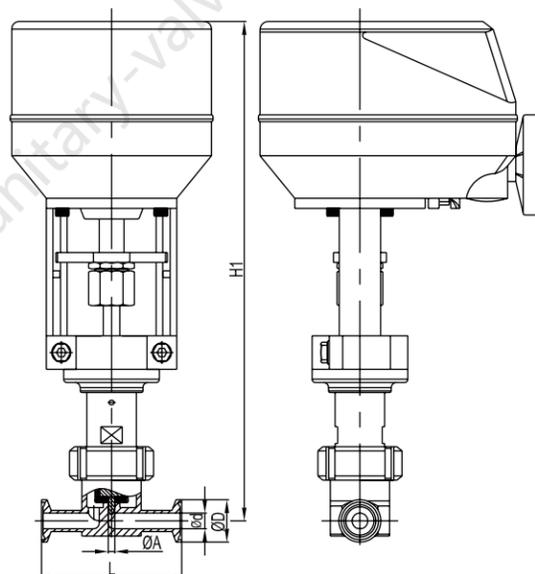


Nominal diameter	DN10
Nominal pressure	PN16
Working temperature	-20°C ~ +160°C
Control mode	Pneumatic, Electric(AC,220V)
Connection	Clamp, Welding, Screw thread
Valve body material	SS304, SS316L
Valve disc material	SS304+PTFE, SS316L+PTFE
Packing material	PTFE
Flow characteristic	Equal Percentage, linear
Adjustable ratio	10: 1/30:1
Disclosure level	ANSI Class VI

Flow Curve



JOV-FRGVHPS-22



Nominal diameter	DN10		
Seat diameter	4	6	8
Flow coefficient(KV value)	0.12	0.32	0.80
Rated stroke (mm)	8		
Allowable differential pressure (Mpa)	1.6		

SQ1037

Size	d	D	A	L	B	H1	H
DN10-4	9.5	25.2	4	82	85	300	367
DN10-6	9.5	25.2	6	82	85	300	367
DN10-8	9.5	25.2	8	82	85	300	367

Penumatic Membrane Control Valve

Application

This valve has two styles electric-pneumatic regulating valve and manual regulating valves, which is used in automatic control system to control the pressure, rate of flow, liquid level, temperature and tank liquid level.

Body Material

Material of parts in contact with Medium:304 or 316L

Valve disc sealing

Soft seals (EPDM or PTFE)

A/M Regulating valve style

Standard: welding connection, ball valve body,EPDM soft seals.When the supplied air pressure is 0,the valve is closed (Normally Closed)
Positioner: I/P Switch
Signal Range:4~20mA(Standard)

Other style option

Positioner:P/P switch
Valve plug normally open

Surface finish

Outside: Sand blasting Ra<1.6µm
Sub-light Ra<0.6µm
Inside:polish Ra<0.6µm



Technical Data

Nominal Diameter	DIN	DN25-DN100
Welding Connection	DIN ISO/IDF SMS	Pipeline According to DIN 11850 1~4"
Nominal Pressure		PN ≤ 1.0Mpa
Valve Plug Sealing		Metal or Soft Sealing
Characteristics		Equal percentage or linear
Measure Ratio		Maximum DN50-DN65 and above 30:1
Temperature Range		-10°C ~+150°C

Type option

DIN	Size		Flow Kvs m ³ /h	The Area of Actuator cm ²	Effective Distance mm	Working Range of Actuator	
	ISO/IDF					Used for Δ P is(Valve normally closed)	
DN15			1.6			1.7~2.1	
DN20			2.5	120	7.5	1.7~2.1	
			4			1.7~2.1	
DN25	1"		6.3	240	15	0.3~1.1	0.9-3.3
			10			0.3~1.1	0.9-3.3
			10			0.6~2.2	0.9-3.3
DN40	1.5"		16	240	15	0.6-2.2	0.9-3.3
			25			0.6-2.2	0.9-3.3
			16	240		0.6-2.2	0.9~3.3
DN50	2"		25	350	15	0.6-2.2	0.9~3.3
			35			1.4~2.3	2.1~3.3
			25			1.4~2.3	2.1~3.3
DN65	2.5"		35	350	15	1.4~2.3	2.1~3.3
			60			1.4~2.3	2.1~3.3
			35			1.4-2.3	2.1-3.3
DN80	3"		60	350	15	1.4~2.3	2.1~3.3
			80			1.4~2.3	2.1~3.3
			60	350		1.4~2.3	2.1~3.3
DN100	4"		100		15	1.4-2.3	2.1~3.3

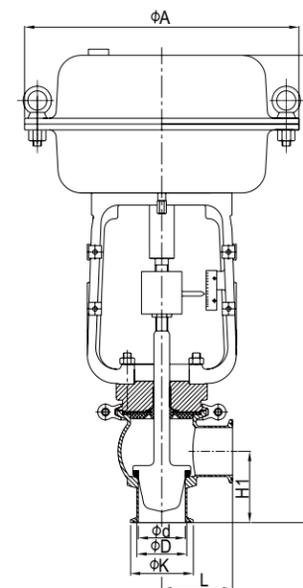
The Quality Requirement for Compressed Air Used in Actuator

Compressed Air Connection	Air pipe with air adapter R1/8"(BSP)
Minimum Working Pressure	0.4Mpa
Maximum Air Supply Pressure	0.6Mpa
Maximum Pellet Size	0.01mm
Maximum Oil Content	0.08ppm
Dew Point	10°C lower than air temperature or lower
Maximum Water Content	7.5g/ g

Membrane control valve

Size	d	D	L	H1	K	A	H
1"	22.4	25.4	72	72	50.5	285	420
1.25"	28.8	31.8	72	72	50.5	285	420
1.5"	35.1	38.1	72	72	50.5	285	420
2"	47.8	50.8	72	72	64	285	440
2.5"	59.5	63.5	80	75	77.5	285	449
3"	72.2	76.2	98	98	91	360	576
3.5"	84.9	88.9	107	107	106	360	579
4"	97.6	101.6	135	127	119	360	581

Size	d	D	L	H1	K	A	H
DN25	25	28	72	72	50.5	285	420
DN32	31	34	72	72	50.5	285	420
DN40	37	40	72	72	50.5	285	420
DN50	49	52	72	72	64	285	440
DN65	66	70	97	97	91	360	530
DN80	81	85	107	107	106	360	579
DN100	100	104	135	127	119	360	581

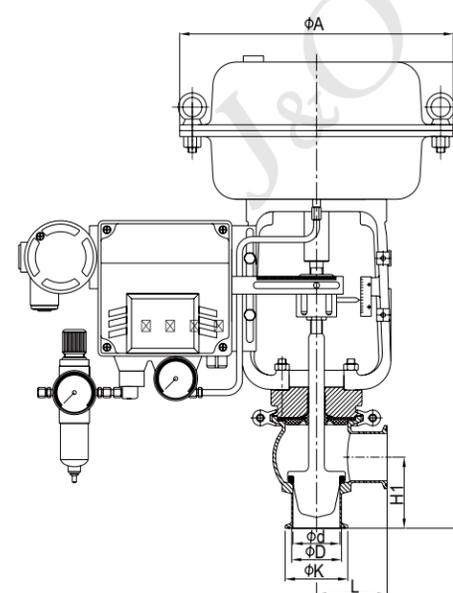


JOV-RGVEPL-22

Membrane control valve

SIZE	d	D	L	H1	K	A	H
1"	22.4	25.4	72	72	50.5	285	420
1.25"	28.8	31.8	72	72	50.5	285	420
1.5"	35.1	38.1	72	72	50.5	285	420
2"	47.8	50.8	72	72	64	285	440
2.5"	59.5	63.5	80	75	77.5	285	449
3"	72.2	76.2	98	98	91	360	576
3.5"	84.9	88.9	107	107	106	360	579
4"	97.6	101.6	135	127	119	360	581

Size	d	D	L	H1	K	A	H
DN25	25	28	72	72	50.5	285	420
DN32	31	34	72	72	50.5	285	420
DN40	37	40	72	72	50.5	285	420
DN50	49	52	72	72	64	285	440
DN65	66	70	97	97	91	360	530
DN80	81	85	107	107	106	360	579
DN100	100	104	135	127	119	360	581



JOV-RGVEPTL-22

Constant pressure valve



Application

The CPMI-2 (constant pressure regulating inlet) maintains constant pressure on the production line at the valve inlet. Typically used behind the separators, heat exchangers or relief valves. CPMO-2 (constant pressure valve regulating outlet) can maintain constant pressure in the pipeline of the production process at the outlet of the valve. Typically used in front of a padding or filling machine.

Working principle

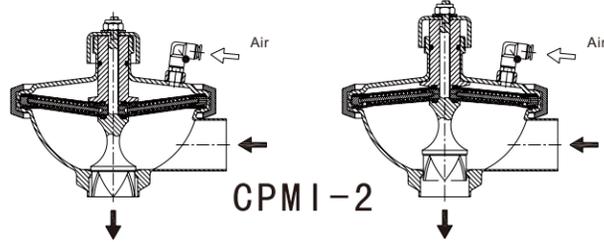
The valve can be remotely controlled by compressed air. The diaphragm/plug system responds immediately to any change in product pressure and changes position to maintain the preset pressure.

Valve disc sealing

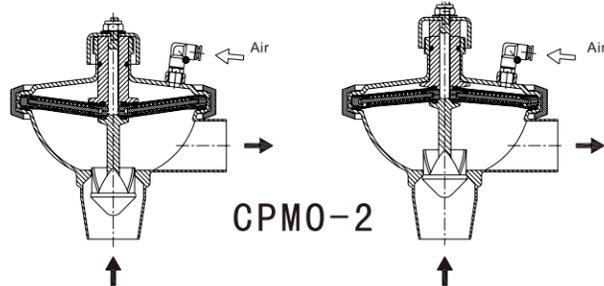
Upper diaphragm: NBR
Lower diaphragm: EPDM+PTFE

Technical parameters

Tracheal connection: R1/4" (BSP)
Product pressure $\leq 1.0\text{Mpa}$
Air pressure $\leq 0.8\text{Mpa}$
Temperature range: -10°C to $+140^{\circ}\text{C}$



The valve opens when the pressure increases

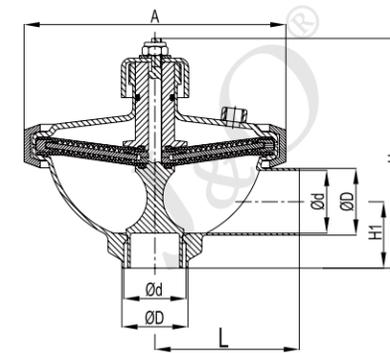
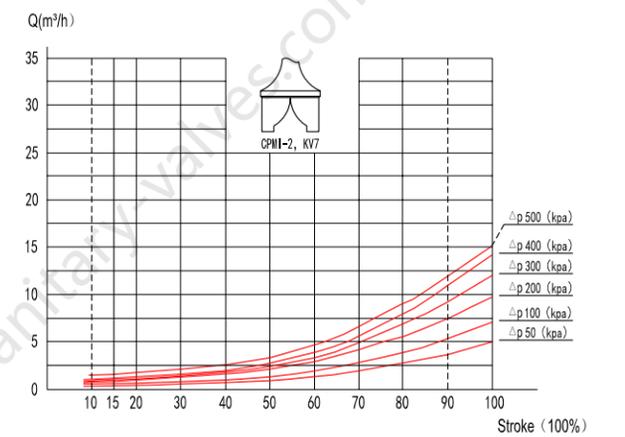
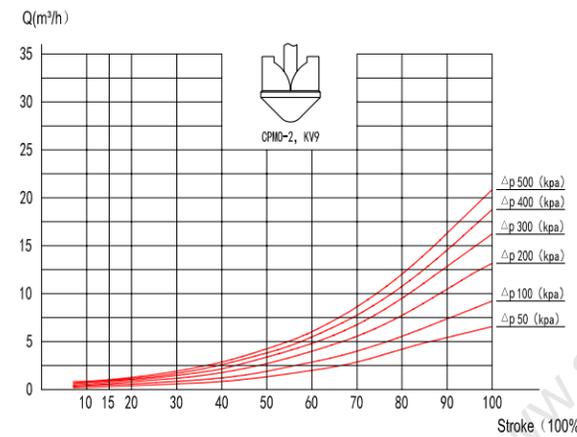
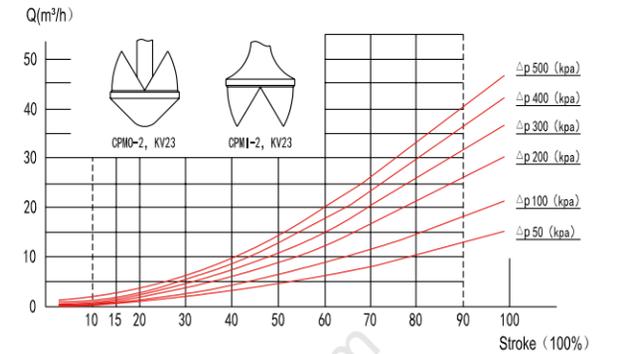


The valve closes when the pressure increases

Attention!

Description of the chart application:
medium: water (20°C).

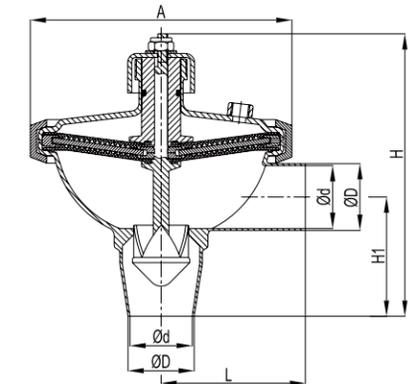
It is recommended that the flow rate in pipes and valves should not exceed 5 m/s.



JOV-CPMI-11

Size	d	D	A	L	H1	H
1.5"	35.1	38.1	203	110	44	175
2"	47.8	50.8	203	110	50	175

Size	d	D	A	L	H1	H
DN40	37	40	203	110	45	175
DN50	49	52	203	110	51	175



JOV-CPMO-11

Size	d	D	A	L	H1	H
1.5"	35.1	38.1	203	110	84	215
2"	47.8	50.8	203	110	90	215

Size	d	D	A	L	H1	H
DN40	37	40	203	110	85	215
DN50	49	52	203	110	91	215