

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterR/Sens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesiccDry
HiPolymDry
MainFiltr
Dischrg etc
Ending



Check valve CHV2 Series

Completely prevents reverse flow of fluid such as compressed air. Ten types of wide variations.

● Port size: Rc 1/8 to Rc1 1/2

JIS symbol



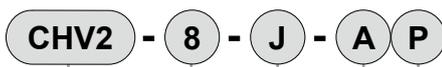
Features

- **Wide range of variations**
Series are available for piping bore sizes Rc1/8 to Rc1 1/2.
- **Compact and lightweight**
- **Wide range of options**
Fluoro rubber specifications and oil-prohibited specifications available as options. An installation bracket is available for small bore sizes.
- **Neat shape**
- **Eco-friendly products, to make recycling easier**

Specifications

Model No.	CHV2-6	CHV2-8-J	CHV2-8	CHV2-10-J	CHV2-10	CHV2-15	CHV2-20	CHV2-25	CHV2-32	CHV2-40
Working fluid	Compressed air									
Max. working pressure MPa	1 (≈150 psi, 10 bar)									
Min. working pressure MPa	0.03 (≈4.4 psi, 0.3 bar)									
Proof pressure MPa	1.5 (≈220 psi, 15 bar)									
Cracking pressure MPa	0.02 (≈2.9 psi, 0.2 bar)									
Fluid temperature °C	5 (41°F) to 60 (140°F)									
Ambient temperature °C	0 (32°F) to 60 (140°F) (no freezing)									
Port size Rc	1/8	1/4		3/8		1/2	3/4	1	1 1/4	1 1/2
Weight g	47	81		140		265		875		
Mounting plate weight g	10	15		-						
Effective cross-sectional area mm ²	28	55		60	94	110	220	250	700	730

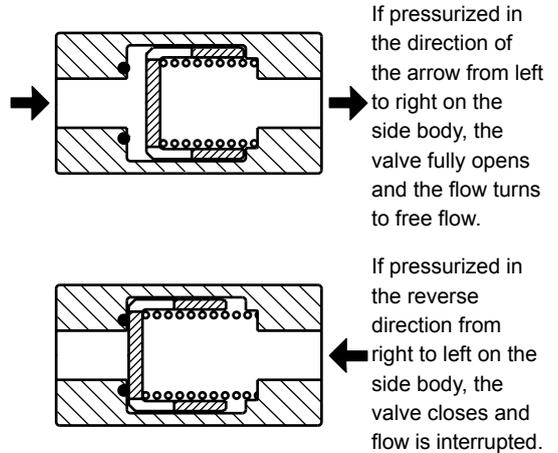
How to order



Code	Description
A Port size	
6	Rc1/8
8	Rc1/4
10	Rc3/8
15	Rc1/2
20	Rc3/4
25	Rc1
32	Rc1 1/4
40	Rc1 1/2
B Option	
Blank	No option
A	Fluoro rubber specifications
P8	Oil-prohibited specifications
C Accessory	
Blank	None
P	With mounting plate

*1: Small flow compact (J) is only for port size Rc1/4 (8) and Rc3/8 (10).
*2: The options are listed in alphabetical order. (AP8)
*3: Mounting plate is available for CHV2-6, CHV2-8-J, CHV2-8 and CHV2-10-J only.

Operational principle



Clean-room specifications (Catalog No. CB-033SA)

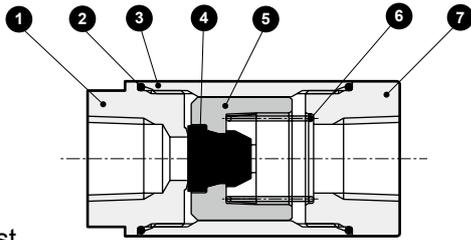
● Anti-dust generation structure for use in cleanrooms

CHV2-.....- P7*

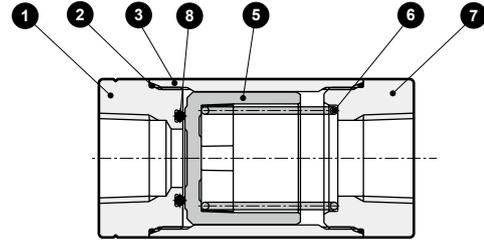
CHV2-.....- P80

Internal structure and parts list

● CHV2-6,8-J



● CHV2-8 to 40

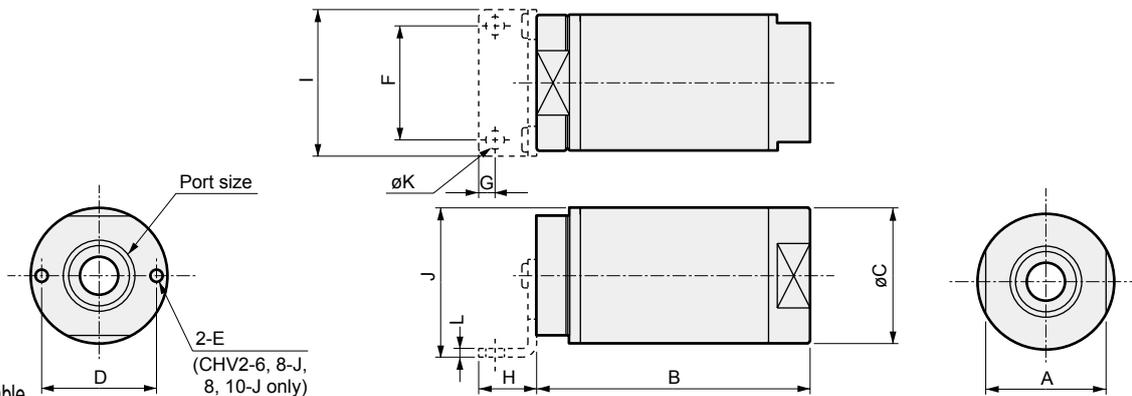


Parts list

No.	Part name	Material	No.	Part name	Material
1	Cover A	Aluminum alloy	5	Valve guide	Polyacetal
2	O-ring	Nitrile rubber (fluoro rubber)	6	Coil spring	Stainless steel
3	Tube	Aluminum alloy	7	Cover B	Aluminum alloy
4	Valving element	Nitrile rubber (fluoro rubber)	8	O-ring	Nitrile rubber (fluoro rubber)

* Materials shown in () are for option "A" (fluoro rubber specifications).

Dimensions



Dimensions table

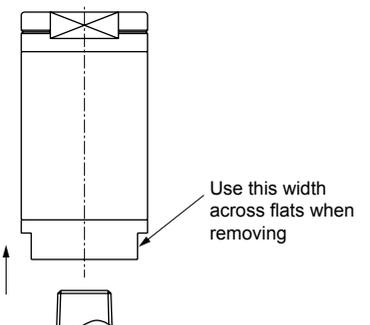
Model No.	Port size	A	B	øC	D	E	F	G	H	I	J	øK	L
CHV2-6	Rc1/8	22	50	25	21	M2.5	21	3	10.5	27	27.5	3.4	1.6
CHV2-8-J	Rc1/4												
CHV2-8	Rc1/4	27	60	31	26	M3	25	5	14	32	34	4.4	
CHV2-10-J	Rc3/8												
CHV2-10	Rc3/8	32	75	38	-	-	-	-	-	-	-	-	
CHV2-15	Rc1/2												
CHV2-20	Rc3/4	42	95	47	-	-	-	-	-	-	-	-	
CHV2-25	Rc1												
CHV2-32	Rc1 1/4	63	140	72	-	-	-	-	-	-	-	-	
CHV2-40	Rc1 1/2												

⚠ Safety precautions

■ Use/maintenance

Installation of CHV2

- After temporarily tightening the mounting port by hand, tighten with a tool on the width across flats. When connecting the pipe, tighten using the recommended tightening torque. When removing the piping from this product, use the on the side the width across flats of piping to be removed. If the width across flats on the opposite side is used, the cover could loosen and lead to external leakage.
- Check JIS symbols on the product nameplate and pipe accordingly. If pressure is applied from IN, fluid will flow freely. If pressure is applied from OUT, fluid will be blocked. The side of the cover with a groove is IN, so check the direction when piping.
- Depending on the usage and piping conditions, note that abnormal noise may occur due to chattering when the valving element is not fully closed.



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- Med Press FR
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- Outdrs FRL
- Adapter Joiner Press Gauge
- CompFRL
- LgFRL
- PrecsR
- VacF/R
- Clean FR
- ElecPneuR
- AirBoost
- Speed Ctrl
- Silncr
- CheckV/ other
- Fit/Tube
- Nozzle
- Air Unit
- PresCompn
- Electro Press SW
- ContactSW
- AirSens
- PresSW Cool
- Air Flo Sens/Ctrl
- WaterRISens
- TotAirSys (Total Air)
- TotAirSys (Gamma)
- Gas generator
- RefrDry
- DesicDry
- HiPolymDry
- MainFiltr
- Dischrg etc
- Ending