

Features

Uses an X-ring seal
High precision cracking and high repeatability
Correspond to low pressure specifications
Compact and light weight
Can also be used for special fluids (Organic solvents, Vapor, etc.)

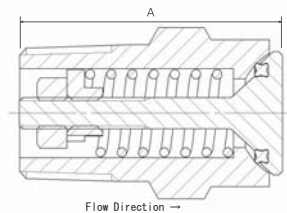
Application

Gas analyzers, Gas mixing machines, Various gas generators, Medical instruments, Industrial furnaces, Small compressor protection circuits, Internal pressure explosion proof panels, Various pressure vessel protection, etc.

Relief Valve RA Series (Low Pressure Vent to Atmosphere Type)

Specifications	
Burst Pressure	1.62MPa
Connection Size	R1/8~R1"
Body Material	Brass / SUS316
X-ring material	Fluorine rubber Class 4 D (Standard)
Operating Temperature Range	Depending on X-ring material
Cracking Pressure	3~1080kPa
Setting Range	* The setting range for 1/8" is 3 - 970 kPa. * 3 - 29 kPa settings are optional.
Remarks	* Nickel plated brass body specification * If the setting pressure is 5 kPa or less, the attachment direction

Dimensions Table (mm)		
Connection Size (R)	A	HEX (opposite side)
1/8	25.5±2	13.0
1/4	31.0±2	17.0
3/8	33.0±2	19.0
1/2	44.8±3	26.0
3/4	52.4±3	29.0
1"	72.8±3	38.0



Type Selection Tables R A T 2 V — 500

Basic Type		Cracking Pressure (kPa)	
R	A Vent to Atmosphere Type	50	1000

Body Material		X-ring Material	
B	Brass	V	Fluorine rubber Class 4 D (Standard)
T	SUS316	D	PerFlour
		N	NBR Class 1 A
		F	Aflas®

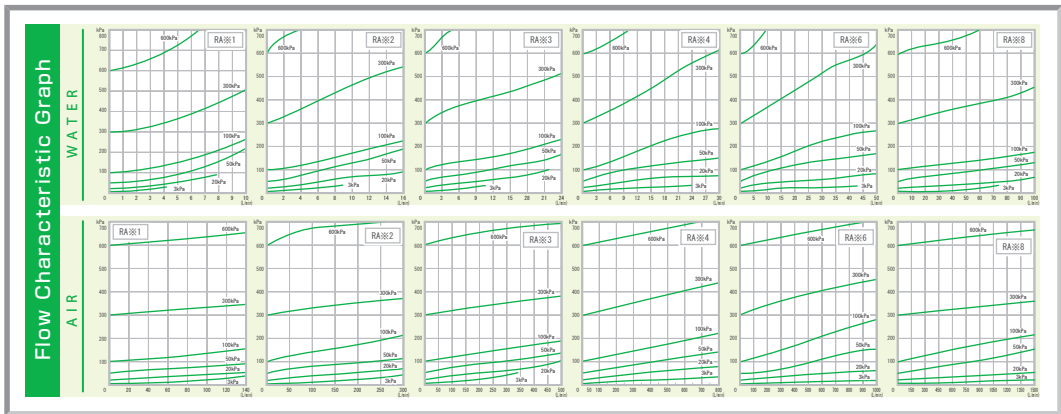
Connection Size		Operating Temperature Range (Ref)	
1	1/8	4	1/2
2	1/4	6	3/4
3	3/8	8	1"

Example of kPa indication:
For 50 kPa: 50; For 1.0 MPa (1000 kPa): 1000

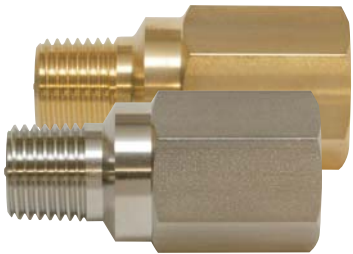
*** Caution**
Be sure to specify the setting pressure in kPa when ordering.
(Reference) 1 kgf/cm2 ≠ 98 kPa; 1 PSI ≠ 6.9 kPa

* The data indicated in this table is the reference data of the X-ring maker, and is not the guaranteed performance of our company.
* We can also correspond to materials not mentioned on the left.

<Example> RA Series Body Material: SUS316, X-ring: Fluorine rubber Class 4 D; Size: R1/4; Cracking pressure: 500 kPa → Type 'RAT2V-500'



Relief Valve RL Series (Low Pressure In-line Type)



Features

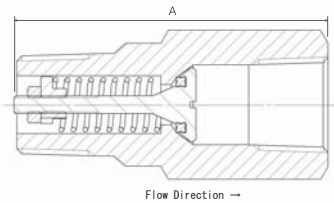
Uses an X-ring seal
High precision cracking and high repeatability
Correspond to low pressure specifications
Compact and light weight
Can also be used for special fluids (Organic solvents, Vapor, etc.)

Application

Gas analyzers, Gas mixing machines, Various gas generators, Medical instruments, Industrial furnaces, Small compressor protection circuits, Internal pressure explosion proof panels, Various pressure vessel protection, etc.

Specifications	
Burst Pressure	1.62MPa
Connection Size	1/4" - 1 1/4" (Inlet (R) x Outlet (Rc))
Body Material	Brass / SUS316
X-ring material	Fluorine rubber Class 4 D (Standard)
Operating Temperature Range	Depending on X-ring material
Cracking Pressure	3~1080kPa
Setting Range	* The setting range for 1/4" is 3 - 970 kPa. * 3 - 29 kPa settings are optional.
Remarks	* If the setting pressure is 5 kPa or less, the attachment direction of the outlet is limited to upward

Dimensions Table (mm)		
Connection Size (R)	A	(opposite side)
1/4	41.0	19.0
3/8	53.0	22.0
1/2	60.0	27.0
3/4	69.0	32.0
1"	90.0	38.0
1-1/4	115.0	50.0



Type Selection Tables R L T 2 V — 500

Basic Type		Cracking Pressure (kPa)	
R	L In-line Type	50	1000

Body Material		X-ring Mate	
B	Brass	V	Fluorine rubber Class 4 D (Standard)
T	SUS316	D	PerFlour
		N	NBR Class 1 A
		F	Aflas®

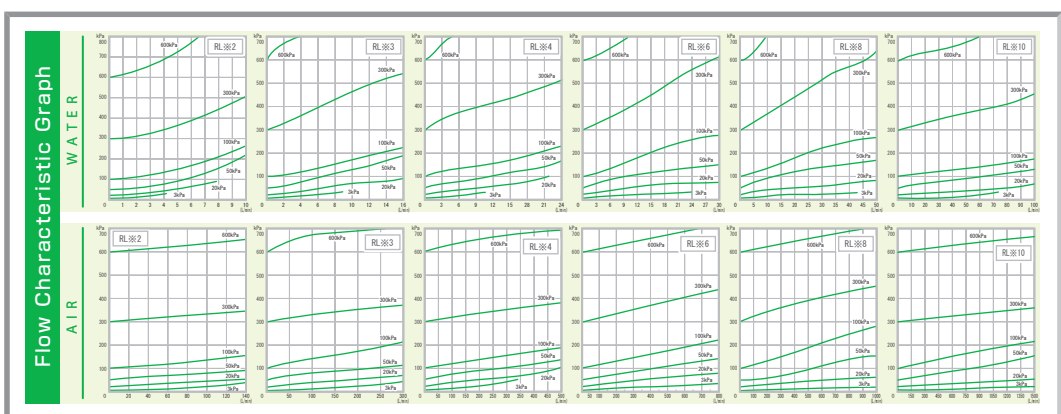
Connection Size		Operating Temperature Range (Ref)	
2	1/4	6	3/4
3	3/8	8	1"
4	1/2	10	1-1/4

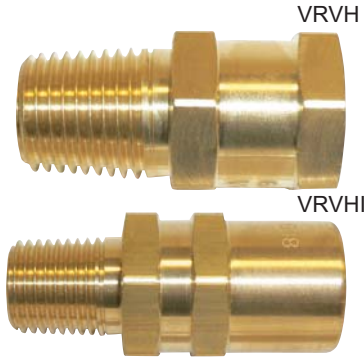
Example of kPa indication:
For 50 kPa: 50; For 1.0 MPa (1000 kPa): 1000

*** Caution**
Be sure to specify the setting pressure in kPa when ordering.
(Reference) 1 kgf / cm2 ≠ 98 kPa; 1 PSI ≠ 6.9 kPa

* The data indicated to this table is the reference data of the X-ring maker, and is not the guaranteed performance of our company.
* We can also correspond to materials not mentioned on the left.

<Example> RL Series Body Material: SUS316, X-ring: Fluorine rubber Class 4 D; Size: R1/4; Cracking pressure: 500 kPa → Type 'RLT2V-500'





Features

Corresponds to high pressure Compact

Application

Various high pressure lines, Pressure vessel protection, Cryopump pressure adjustment, etc.

Relief Valve VRVH Series (High Pressure Vent to Atmosphere Type) VRVHI Series (High Pressure 'In-line' Type)

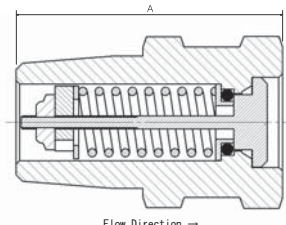
VRVH

Specifications

Burst Pressure	5.2MPa	Opening Temperature Range	Depending on O-ring material
Connection Size	1/8-1/4NPT	Setting Pressure	1.04~4.2MPa
Body Material	Brass (ASTM B16)	Remarks	- NPT connection is standard
O-ring Material	Fluorine rubber (Standard)		- Please contact us if PT connection is required.
			- Please contact us if SS material is required.

Dimensions

■Dimensions Table (mm)		
Connection Size	A	HEX (opposite side)
1/8	23.9	13.0
1/4	32.8	16.0



Flow Direction →

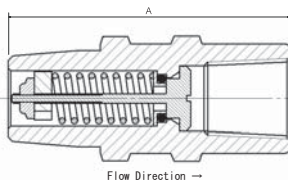
VRVHI

Specifications

Burst Pressure	5.2MPa	Opening Temperature Range	Depending on O-ring material
Connection Size	1/8-1/4NPT	Setting Pressure	1.04~4.2MPa
Body Material	Brass (ASTM B16)	Remarks	- NPT connection is standard
O-ring Material	Fluorine rubber (Standard)		- Please contact us if PT connection is required.

Dimensions

■Dimensions Table (mm)		
Connection Size	A	HEX (opposite side)
1/8	37.0	13.0
1/4	45.0	19.1



Flow Direction →

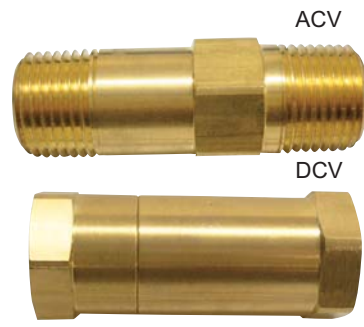
Type Selection Tables

VRVH - R 250 B - V - 290

Basic Type VRVH High Pressure Vent to Atmosphere Type VRVHI High Pressure In-line Type		Cracking Pressure (PSI) PSI Unit Indication ※1PSI≒6.9kPa																			
Thread Standard R PT thread No Indication NPT thread		Connection Size 125 1/8 250 1/4																			
Body Material B Brass		O-ring Material																			
		<table border="1"> <thead> <tr> <th>Codes</th> <th>O-ring Material</th> <th>Operating Temperature Range (Ref)</th> <th>Codes</th> <th>O-ring Material</th> <th>Operating Temperature Range (Ref)</th> </tr> </thead> <tbody> <tr> <td>V</td> <td>Fluorine rubber (Standard)</td> <td>-29~+176°C</td> <td>N</td> <td>Neoprene[®]</td> <td>-40~+121°C</td> </tr> <tr> <td>B</td> <td>NBR</td> <td>-40~+121°C</td> <td>S</td> <td>Silicon</td> <td>-56~+176°C</td> </tr> </tbody> </table>		Codes	O-ring Material	Operating Temperature Range (Ref)	Codes	O-ring Material	Operating Temperature Range (Ref)	V	Fluorine rubber (Standard)	-29~+176°C	N	Neoprene [®]	-40~+121°C	B	NBR	-40~+121°C	S	Silicon	-56~+176°C
Codes	O-ring Material	Operating Temperature Range (Ref)	Codes	O-ring Material	Operating Temperature Range (Ref)																
V	Fluorine rubber (Standard)	-29~+176°C	N	Neoprene [®]	-40~+121°C																
B	NBR	-40~+121°C	S	Silicon	-56~+176°C																

* The data indicated in this table is the reference data of the O-ring maker, and is not the guaranteed performance of our company.
* We can also correspond to materials not mentioned above.

<Example> VRVH Series Body Material: Brass, O-ring: Fluorine rubber; Size: PT 1/4; Cracking pressure: 290 PSI (approx 2.0 MPa) → Type 'VRVH-250B-V-290'



Features

Cracking pressure can be adjusted, and can also be used as a simple relief valve

DCV

Fine pressure cracking allows for a wide range of pressures

Application

Machine tools, Special-purpose machines, Cleaning machines, Deodorization machines, Medical instruments, Ozonators, various Hydraulic equipment, Analyzers, Molding machines, Extruders, Boiler burners, Construction equipment, Liquid leak prevention, Gas mixing machines, etc.

Check Valve ACV Series (Adjustable Check Valve) DCV Series (Disc Check Valve)

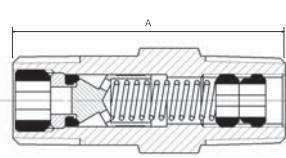
ACV

Specifications

Working Pressure	21MPa	O-ring Material	Fluorine rubber (Standard)
Burst Pressure	21MPa	Opening Temperature Range	Depending on O-ring material
Connection Size	1/4-1/2NPT	Cracking Pressure	0.02MPa~4.13MPa
Body Material	Brass (ASTM B16) SUS316 equivalent (ASTM A478)	CV Value (Ref)	KV1-4P : 0.35 KV1-4E : 0.35 KV1-8P : 1.20
		Remarks	- NPT connection is standard
			- Please contact us if PT connection is required.

Dimensions

■Dimensions Table (mm)		
Connection Size (NPT)	A	HEX (opposite side)
1/4male x 1/4male	41.1	14.3
1/4female x 1/4female	75.7	19.1
1/2	65.0	22.2



Flow Direction →

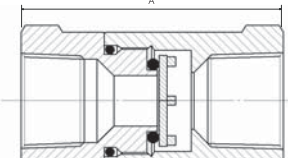
DCV

Specifications

Working Pressure	3.5MPa	Disc Material	Acetal
Cracking Pressure	250Pa	Cracking Pressure	250Pa
Connection Size	1/4 3/8NPT	CV Value (Ref)	1/4 : 0.80 3/8 : 1.35
Body Material	Brass (ASTM B16)	Remarks	- NPT connection is standard
O-ring Material	Fluorine rubber (Standard)		- Please contact us if PT connection is required.
Operating Temperature Range	Depending on O-ring material		

Dimensions

■Dimensions Table (mm)		
Connection Size (NPT)	A	HEX (opposite side)
1/4	49.2	19.1
3/8	49.2	23.8



Flow Direction →

Type Selection Tables

ACV - 4P B - V - 125

Connection Size (NPT) 4P 1/4male x male 4FE 1/4female x female 8P 1/2male x male		Body Material B Brass SS SUS316 equivalent																			
Cracking Pressure (PSI) 3~15 (20~100kPa) 15~65 (100~450kPa) 65~175 (450~1210kPa)		O-ring Material																			
		<table border="1"> <thead> <tr> <th>Codes</th> <th>O-ring Material</th> <th>Operating Temperature Range (Ref)</th> </tr> </thead> <tbody> <tr> <td>V</td> <td>Fluorine rubber (Standard)</td> <td>-23~+190°C</td> </tr> <tr> <td>B</td> <td>NBR</td> <td>-40~+121°C</td> </tr> <tr> <td>N</td> <td>Neoprene[®]</td> <td>-40~+148°C</td> </tr> <tr> <td>EP</td> <td>Ethylene propylene</td> <td>-54~+148°C</td> </tr> <tr> <td>S</td> <td>Silicon</td> <td>-56~+232°C</td> </tr> </tbody> </table>		Codes	O-ring Material	Operating Temperature Range (Ref)	V	Fluorine rubber (Standard)	-23~+190°C	B	NBR	-40~+121°C	N	Neoprene [®]	-40~+148°C	EP	Ethylene propylene	-54~+148°C	S	Silicon	-56~+232°C
Codes	O-ring Material	Operating Temperature Range (Ref)																			
V	Fluorine rubber (Standard)	-23~+190°C																			
B	NBR	-40~+121°C																			
N	Neoprene [®]	-40~+148°C																			
EP	Ethylene propylene	-54~+148°C																			
S	Silicon	-56~+232°C																			

* The data indicated in this table is the reference data of the O-ring maker, and is not the guaranteed performance of our company.
* We can also correspond to materials not mentioned above.

<Example> ACV Series Body Material: Brass; O-ring: Fluorine rubber; Size: 1/4 male x male; Cracking pressure: 125PSI → Type 'ACV-4PB-125'

Type Selection Tables

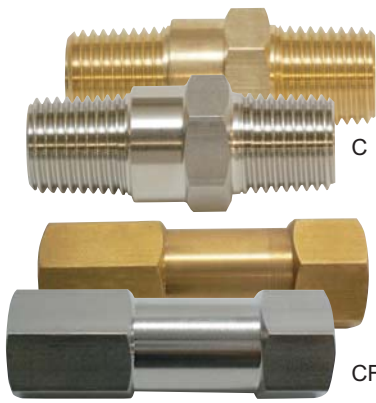
DCV - 250 B - V

Connection Size (NPT) 250 1/4 375 3/8		Body Material B Brass																
Cracking Pressure (PSI) 250 375		O-ring Material																
		<table border="1"> <thead> <tr> <th>Codes</th> <th>O-ring Material</th> <th>Operating Temperature Range (Ref)</th> </tr> </thead> <tbody> <tr> <td>V</td> <td>Fluorine rubber (Standard)</td> <td>-23~+190°C</td> </tr> <tr> <td>B</td> <td>NBR</td> <td>-40~+121°C</td> </tr> <tr> <td>EP</td> <td>Ethylene propylene</td> <td>-54~+148°C</td> </tr> <tr> <td>S</td> <td>Silicon</td> <td>-56~+232°C</td> </tr> </tbody> </table>		Codes	O-ring Material	Operating Temperature Range (Ref)	V	Fluorine rubber (Standard)	-23~+190°C	B	NBR	-40~+121°C	EP	Ethylene propylene	-54~+148°C	S	Silicon	-56~+232°C
Codes	O-ring Material	Operating Temperature Range (Ref)																
V	Fluorine rubber (Standard)	-23~+190°C																
B	NBR	-40~+121°C																
EP	Ethylene propylene	-54~+148°C																
S	Silicon	-56~+232°C																

* The data indicated in this table is the reference data of the O-ring maker, and is not the guaranteed performance of our company.
* We can also correspond to materials not mentioned above.

<Example> DCV Series Body Material: Brass; O-ring: Fluorine rubber; Size: 1/4 → Type 'DCV-250B-V'

Check Valve C & CF Series (General Purpose)



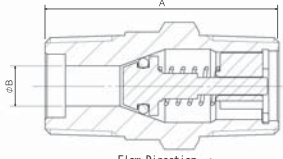
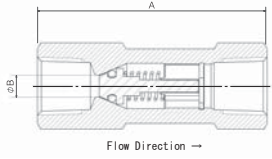
Features

Compact and long life
Combination of ring and metal seat
Double seat sealing method
Stable movement with long poppet guide
Abundant size line-up

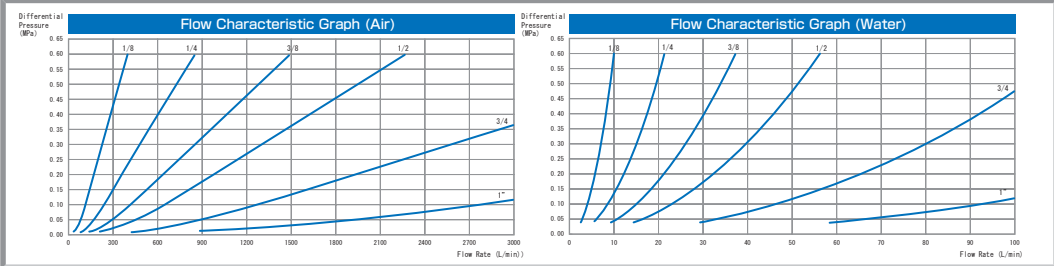
Application

Machine tools, Special-purpose machines, Cleaning machines, Deodorization machines, Medical instruments, Ozonators, various Hydraulic equipment, Analyzers, Molding machines, Extruders, Boiler burners, Construction equipment, Liquid leak prevention, Gas mixing machines, etc.

Specifications													
Working Pressure	Vacuum ~ 4.9 MPa												
Burst Pressure	7.35MPa												
Connection Size (C)	R1/8~R1"												
Connection Size (CF)	Rc1/8~Rc1"												
Body Material	Brass / SUS316												
O-ring Material	Fluorine rubber Class 4 D (Standard)												
Operating Temperature Range	Depending on O-ring material												
Cracking Pressure	Standard 7 kPa												
CV Value (Ref)	<table border="1"> <tr> <td>1/8</td> <td>0.28</td> <td>1/4</td> <td>0.60</td> <td>3/8</td> <td>1.05</td> </tr> <tr> <td>1/2</td> <td>1.60</td> <td>3/4</td> <td>3.20</td> <td>1"</td> <td>6.90</td> </tr> </table>	1/8	0.28	1/4	0.60	3/8	1.05	1/2	1.60	3/4	3.20	1"	6.90
1/8	0.28	1/4	0.60	3/8	1.05								
1/2	1.60	3/4	3.20	1"	6.90								
Remarks	<ul style="list-style-type: none"> Maximum differential pressure 0.6 MPa Build-in Disc Filter is possible (Option) (C Series only) Optional cracking 1, 20, 50 kPa * If 1 kPa is selected, the attachment direction of the outlet is limited to upward 												

Dimensions	
■ Dimensions Table (mm)	
Connection Size (R)	A B HEX (opposite side)
1/8	33.5 3.5 13.0
1/4	40.2 5.0 16.0
3/8	40.5 6.9 19.0
1/2	48.0 9.8 22.0
3/4	59.0 14.0 29.0
1"	68.0 16.2 35.0
 <p>Flow Direction →</p>	
■ Dimensions Table (mm)	
Connection Size (R)	A B HEX (opposite side)
1/8	38.0 3.5 13.0
1/4	52.0 5.0 17.0
3/8	54.0 6.9 19.0
1/2	64.0 9.8 22.0
3/4	75.0 14.0 29.0
1"	89.0 16.2 35.0
 <p>Flow Direction →</p>	

Type Selection Tables																																					
<p>Basic Type</p> <p>C Male, male connection CF Female, female connection</p> <p>Body Material</p> <p>B Brass T SUS316</p> <p>Connection Size</p> <table border="1"> <tr> <td>1</td> <td>1/8</td> <td>4</td> <td>1/2</td> </tr> <tr> <td>2</td> <td>1/4</td> <td>6</td> <td>3/4</td> </tr> <tr> <td>3</td> <td>3/8</td> <td>8</td> <td>1"</td> </tr> </table> <p>O-ring Material</p> <table border="1"> <tr> <td>Codes</td> <td>O-ring Material</td> <td>Operating Temperature Range (Ref)</td> <td>Codes</td> <td>O-ring Material</td> <td>Operating Temperature Range (Ref)</td> </tr> <tr> <td>V</td> <td>Fluorine rubber Class 4 D (Standard)</td> <td>-12~+180°C</td> <td>S</td> <td>Silicon Class 4 C</td> <td>-45~+180°C</td> </tr> <tr> <td>K</td> <td>Kalrez™</td> <td>-4~+284°C</td> <td>E</td> <td>Ethylene propylene</td> <td>-40~+90°C</td> </tr> <tr> <td>D</td> <td>Perflour</td> <td>-27~+207°C</td> <td>N</td> <td>NBR Class 1 A</td> <td>-27~+90°C</td> </tr> </table> <p>* The data indicated in this table is the reference data of the O-ring maker, and is not the guaranteed performance of our company. * We can also correspond to materials not mentioned on the left.</p> <p>When optional cracking is 50 kPa, it will be -50. * Refer to remarks.</p>		1	1/8	4	1/2	2	1/4	6	3/4	3	3/8	8	1"	Codes	O-ring Material	Operating Temperature Range (Ref)	Codes	O-ring Material	Operating Temperature Range (Ref)	V	Fluorine rubber Class 4 D (Standard)	-12~+180°C	S	Silicon Class 4 C	-45~+180°C	K	Kalrez™	-4~+284°C	E	Ethylene propylene	-40~+90°C	D	Perflour	-27~+207°C	N	NBR Class 1 A	-27~+90°C
1	1/8	4	1/2																																		
2	1/4	6	3/4																																		
3	3/8	8	1"																																		
Codes	O-ring Material	Operating Temperature Range (Ref)	Codes	O-ring Material	Operating Temperature Range (Ref)																																
V	Fluorine rubber Class 4 D (Standard)	-12~+180°C	S	Silicon Class 4 C	-45~+180°C																																
K	Kalrez™	-4~+284°C	E	Ethylene propylene	-40~+90°C																																
D	Perflour	-27~+207°C	N	NBR Class 1 A	-27~+90°C																																
<p><Example> C Series Body Material: SUS316; O-ring: Fluorine rubber Class 4 D (Standard); Size: R1/4; Cracking pressure: 7kPa (Standard) → Type 'CT2V'</p>																																					



Check Valve CH Series (High Pressure Type)



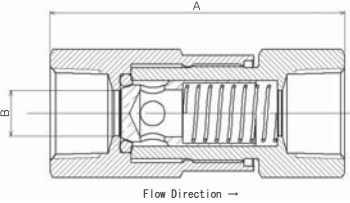
Features

SUS316 is used for all stainless steel types
O-ring acts as a bond between the 2 piece body and valve seal
Corresponds to high pressure
Can be used up to 10 MPa

Application

Machine tools, Special-purpose machines, Cleaning machines, Deodorization machines, Medical instruments, Ozonators, various Hydraulic equipment, Analyzers, Molding machines, Extruders, Boiler burners, Construction equipment, Liquid leak prevention, Gas mixing machines, etc.

Specifications							
Type	CHB** CHT**						
Working Pressure	0~10MPa 0~13MPa						
Burst Pressure	15MPa 20MPa						
Connection Size	Rc1/4"~Rc1/2"						
Body Material	Brass SUS316						
Cracking Pressure	7kPa						
O-ring Material	Fluorine rubber Class 4 D (Standard)						
Operating Temperature Range	Depending on O-ring material						
CV Value (Ref)	<table border="1"> <tr> <td>1/4"</td> <td>0.5</td> <td>3/8"</td> <td>1.5</td> <td>1/2"</td> <td>1.5</td> </tr> </table>	1/4"	0.5	3/8"	1.5	1/2"	1.5
1/4"	0.5	3/8"	1.5	1/2"	1.5		

Dimensions	
■ Dimensions Table (mm)	
Connection Size (Rc)	A B HEX (opposite side)
1/4	46.0 5.0 19.0
3/8	60.0 9.2 24.0
1/2	73.0 9.2 27.0
 <p>Flow Direction →</p>	

Type Selection Tables																															
<p>Basic Type</p> <p>CH High Pressure Type</p> <p>Body Material</p> <p>B Brass T SUS316</p> <p>Connection Size</p> <table border="1"> <tr> <td>2</td> <td>1/4</td> </tr> <tr> <td>3</td> <td>3/8</td> </tr> <tr> <td>4</td> <td>1/2</td> </tr> </table> <p>O-ring Material</p> <table border="1"> <tr> <td>Codes</td> <td>O-ring Material</td> <td>Operating Temperature Range (Ref)</td> <td>Codes</td> <td>O-ring Material</td> <td>Operating Temperature Range (Ref)</td> </tr> <tr> <td>V</td> <td>Fluorine rubber Class 4 D (Standard)</td> <td>-12~+180°C</td> <td>S</td> <td>Silicon Class 4 C</td> <td>-45~+180°C</td> </tr> <tr> <td>K</td> <td>Kalrez™</td> <td>-4~+284°C</td> <td>E</td> <td>EPDM</td> <td>-40~+90°C</td> </tr> <tr> <td>D</td> <td>Perflour</td> <td>-27~+207°C</td> <td>N</td> <td>NBR Class 1 A</td> <td>-27~+90°C</td> </tr> </table> <p>* The data indicated in this table is the reference data of the O-ring maker, and is not the guaranteed performance of our company. * We can also correspond to materials not mentioned above.</p>		2	1/4	3	3/8	4	1/2	Codes	O-ring Material	Operating Temperature Range (Ref)	Codes	O-ring Material	Operating Temperature Range (Ref)	V	Fluorine rubber Class 4 D (Standard)	-12~+180°C	S	Silicon Class 4 C	-45~+180°C	K	Kalrez™	-4~+284°C	E	EPDM	-40~+90°C	D	Perflour	-27~+207°C	N	NBR Class 1 A	-27~+90°C
2	1/4																														
3	3/8																														
4	1/2																														
Codes	O-ring Material	Operating Temperature Range (Ref)	Codes	O-ring Material	Operating Temperature Range (Ref)																										
V	Fluorine rubber Class 4 D (Standard)	-12~+180°C	S	Silicon Class 4 C	-45~+180°C																										
K	Kalrez™	-4~+284°C	E	EPDM	-40~+90°C																										
D	Perflour	-27~+207°C	N	NBR Class 1 A	-27~+90°C																										
<p><Example> CH Series Body Material: SUS316; O-ring: Fluorine rubber Class 4 D; Size: R3/8 → Type 'CHT3V'</p>																															



Features

- Compact and long life
- Combination of ring and metal seat
- Double seat sealing method
- Stable movement with long poppet guide
- Abundant size line-up

Application

Machine tools, Special-purpose machines, Cleaning machines, Deodorization machines, Medical instruments, Ozonators, various Hydraulic equipment, Analyzers, Molding machines, Extruders, Boiler burners, Construction equipment, Liquid leak prevention, Gas mixing machines, etc.

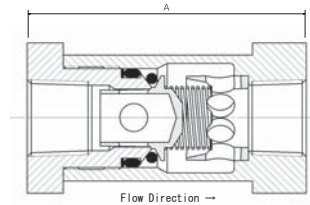
Check Valve CV Series (High Pressure & High Flow Type)

Specifications

Working Pressure	Brass: 20.6 MPa; SUS303 equivalent: 31 MPa	Cracking Pressure	7kPa					
Connection Size	PT1/8 - PT1", PT2" (SUS PT1/4 - PT1")	CV Value (Ref)	1/8	1.7	1/4	3.0	3/8	3.9
Body Material	Brass (ASTMB16) / SUS303 equivalent (ASTMA562)		1/2	7.4	3/4	11.4	1"	14.2
O-ring Material	Fluorine rubber (Standard)	Remarks	*Please contact us for other materials (SUS316, etc.), or for sizes (up to 2").					
Operating Temperature Range	Depending on O-ring material							
Back-up Ring Material	TFE							

Dimensions

■Dimensions Table (mm)			
Connection Size (PT)	A	HEX (opposite side)	CV Value
1/8	43.2	20.7	1.7
1/4	57.2	25.4	3.0
3/8	61.7	31.8	3.9
1/2	74.4	38.1	7.4
3/4	85.6	44.5	11.4
1"	101.4	50.8	14.2
2"	154.9	70(2-way shear)	51.0



Type Selection Tables

CV - R 250 B - V - 1

■Thread Standard		■Connection Size		■Body Material	
R	PT	125 1/8	500 1/2	B	Brass
No Indication	NPT	250 1/4	750 3/4	S	SUS303 equivalent
		375 3/8	1000 1"		
					1/8~2"
					1/4~1"

■Cracking Pressure, PSI Indication

■O-ring Material		
Codes	O-ring Material	Operating Temperature Range (Ref)
V	Fluorine rubber (Standard)	-29~+190°C

* The data indicated in this table is the reference data of the O-ring maker, and is not the guaranteed performance of our company.
* We can also correspond to materials not mentioned above.

<Example> CV Series Body Material: Brass; O-ring: Fluorine rubber; Size: R1/4; Cracking pressure: 7 kPa → Type 'CV-R250B-V-1'



Features

- Fluoro-resin with excellent corrosion resistance
- Can be used with organic solvents and etc., including strong acids and alkalis
- Best possible safety and reliability

Application

Cleaning machines, Ozone water generators, 2 Liquid mixing machines, Printing machines, Ink mixing systems, Chemical equipment, etc.

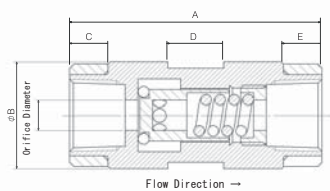
Check Valve C5 Series (PTFE)

Specifications

Working Pressure	0~0.4MPa
Burst Pressure	0.5MPa
Connection Size	PT3/8~PT3/4
Material of Liquid Contact Parts	PTFE
O-ring Material	Acid resistant fluorine rubber
Cracking Pressure	20kPa or less (Standard)

Dimensions

■Dimensions Table (mm)						
Connection Size	A	B	C	D	E	Drift Diameter
PT3/8	59	φ25	9	13	9	φ7
PT1/2	74	φ30	16	16	16	φ10
PT3/4	85	φ37	18	15	18	φ14



Type Selection Tables

C5 - 3 - P - ※

■Basic Type		■Optional Cracking	
C5	PTFE		
■Connection Size (PT)		■O-ring Material	
3	3/8	Codes	O-ring Material
4	1/2	V	Acid resistant fluorine rubber (Standard)
6	3/4	P	Perflour
		E	EPDM
		K	Kalrez™
			Operating Temperature Range (Ref)
			+5~+80°C
			-27~+207°C
			-40~+90°C
			-4~+284°C

C5-3	0.5only (50 kPa)
C5-4	0.5(50kPa), 2(200kPa), 3(300kPa)

* The data indicated to this table is the reference data of the O-ring maker, and is not the guaranteed performance of our company.
* We can also correspond to materials not mentioned on the left.

<Example> PTFE O ring: Perflour; Size: R3/8 → Type 'C5-3-P'

