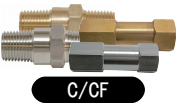

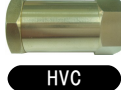






Check Valve Relief Valve

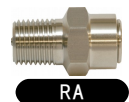
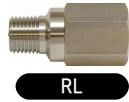

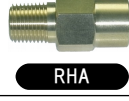




Product Line-Up

Check Valve

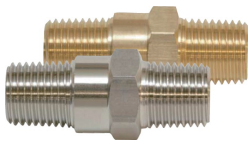
Series	Type	Body Material	Connection Size	Max Operating Pressure	Cracking Pressure	Page
 C/CF	General Purpose	■Brass ■SUS316	■C (Male) R1/8~R1" ■CF (Female) Rc1/8~Rc1"	4.9MPa	7kPa (Standard) Optional Cracking: 1、20、50kPa	P1
 CH	High Pressure	■Brass ■SUS316	Rc1/4~Rc1/2	Brass 10MPa SUS 13MPa	7kPa	P2
 HVC	Large Capacity	■Brass ■SUS316	Rc1/8~Rc1"	Brass 8MPa SUS 13MPa	7kPa (Standard) Optional Cracking: 1、20、50kPa	P3
 CAM	Adjustable	■Brass ■SUS316	R1/4 · R1/2	20MPa	20~4100kPa (Adjustable cracking pressure in a spring range)	P4
 C5	Fluoro resin	■Fluoro resin	PT3/8~PT3/4	0.5MPa	20kPa (Standard)	P5
 C8	Resin POM	■POM (Polyacetal)	Rc1/4~Rc1/2	0.5MPa	3kPa	P6
 CC	Resin Cartridge	■POM (Polyacetal) ■Modified PPO	φ 13mm、φ 20mm	0.75MPa	3kPa	P7

Relief Valve

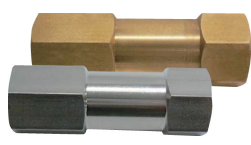
Series	Type	Body Material	Connection Size	Cracking Pressure		Page
				Set Range	Set Pressure	
 RA	Low Pressure Vent to Atmosphere	■Brass ■SUS316	R1/8~R1"	3~1080kPa	Fix (Factory preset)	P8
 RL	Low Pressure In-line	■Brass ■SUS316	(In) R× (Out) Rc 1/4~1" -1/4	3~1080kPa	Fix (Factory preset)	
 RC	Deflector Cap	■Brass ■SUS316	R1/8~R3/4	30~1080kPa	Fix (Factory set pressure)	P9
 RHA	High Pressure Vent to Atmosphere	■Brass	R1/8、R1/4	1000~4200kPa	Fix (Factory set pressure)	P10
 RHL	High Pressure In-line	■Brass ■SUS316	(In) R× (Out) Rc 1/8、1/4	1000~4200kPa	Fix (Factory set pressure)	
 RM1	Externally Adjustable	■SCS14 (SUS316)	(In) R1/4 × (Out) Rc1/4	50~1500kPa	Fix (Factory set pressure)	P11

Features

C



CF



- Compact and low price
- Reduce O-ring stress by double touch of O-ring and metal seal
- Various seal and size line-up

Specifications

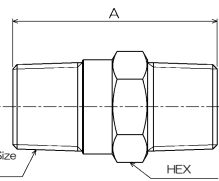
Operating Pressure	Vacuum~4.9MPa
Proof Pressure	7.35MP
Connection Size	C R1/8~R1"
	CF Rc1/8~Rc1"
Body Material	Brass/SUS316
Seal Material	Fluorine rubber FKM(Standard)
Operating Temperature Range	Based on seal selection
Cracking Pressure	7kPa(Standard)
Remarks	■ Max operating differential pressure:0.6MPa
	■ Optional cracking:1,20,50kPa
	* Mounting direction must be upward for the crack pressure 1kPa valve.
	■ Built-in discfilter available(Optional and C series only,contact us the details)

Dimensions/Materials

C

<mm>

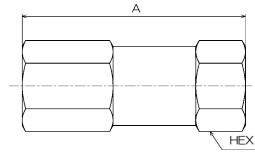
Dimensions	Connection Size(R)	<mm>			
		A	B	HEX	CV (Ref)
	1/8	33.5	3.5	13.0	0.28
	1/4	40.2	5.0	16.0	0.60
	3/8	40.5	6.9	19.0	1.05
	1/2	48.0	9.8	22.0	1.60
	3/4	59.0	14.0	29.0	3.20
	1"	68.0	16.2	35.0	6.90



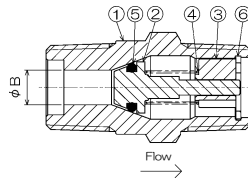
CF

<mm>

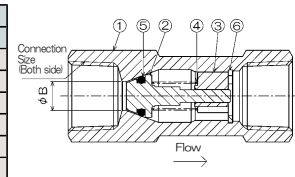
Dimensions	Connection Size(Rc)	<mm>			
		A	B	HEX	CV
	1/8	38.0	3.5	13.0	0.28
	1/4	52.0	5.0	17.0	0.60
	3/8	54.0	6.9	19.0	1.05
	1/2	64.0	9.8	22.0	1.60
	3/4	75.0	14.0	29.0	3.20
	1"	89.0	16.2	35.0	6.90



Materials	No.	Name	Material	
			B (Brass)	T (SUS316)
	1	Body	Brass	SUS
	2	Poppet	Brass	SUS
	3	Guide	Brass	SUS
	4	Spring	SUS	
	5	O-ring	FKM (Standard)	
	6	C-ring	SUS	



Materials	No.	Name	Material	
			B (Brass)	T (SUS316)
	1	Body	Brass	SUS
	2	Poppet	Brass	SUS
	3	Guide	Brass	SUS
	4	Spring	SUS	
	5	O-ring	FKM (Standard)	
	6	C-ring	SUS	



Part Number Selection Table

Basic Type

C	Both Connection:Male
CF	Both Connection:Female

Body Material

B	Brass
T	SUS316

Connection Size

1	1/8	4	1/2
2	1/4	6	3/4
3	3/8	8	1"

Optional Cracking

Code	7kPa	20	20kPa
1	1kPa	50	50kPa

※When optional cracking is 50kPa, it will be -50. Refer to remarks.

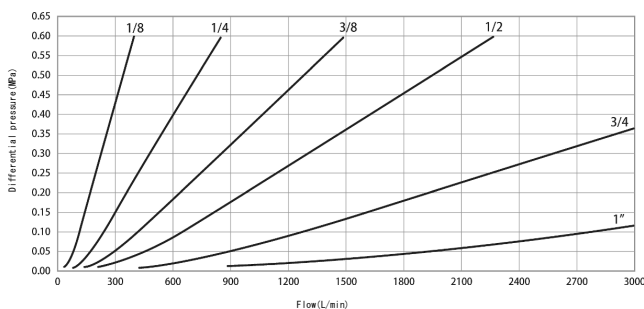
Seal Material

Code	Name	Operation Temperature Range (Ref)	Code	Name	Operation Temperature Range (Ref)
V	FKM (Standard)	-12~+180°C	S	Silicon	-45~+180°C
K	Kalrez	-4~+284°C	E	EPDM	-40~+90°C
D	Perflour	-27~207°C	N	NBR	-27~+90°C

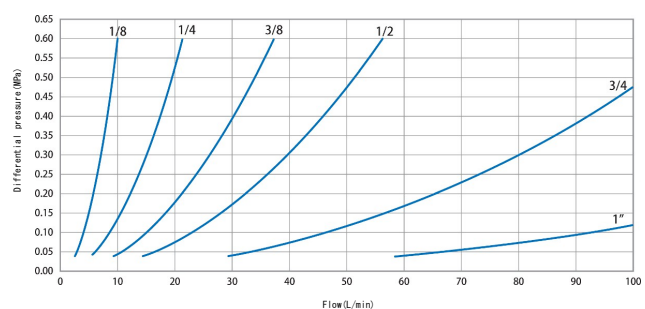
※Contact us; Other materials and under-20°C or Over 100°C.

Flow Chart

AIR (Representative Value)



WATER (Representative Value)



Features

CH



- Corresponds to high pressure (SUS316 type can be used up to 13MPa)
- Reduce O-ring stress by double touch of O-ring and metal seal
- SUS316 is used for all stainless steel types

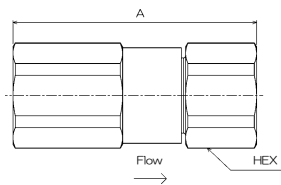
Specifications

Working Pressure	CHB	0~10MPa
	CHT	0~13MPa
Proof Pressure	CHB	15MPa
	CHT	20MPa
Connection Size	Rc1/4~Rc1/2	
Body Material	Brass/SUS316	
Seal Material	Fluorine rubber FKM (Standard)	
Operating Temperature Range	Based on seal selection	
Cracking Pressure	7kPa	
Remarks	■ Consult factory; Other cracking pressure	

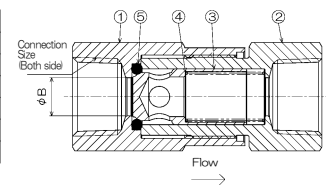
Dimensions/Materials

CH

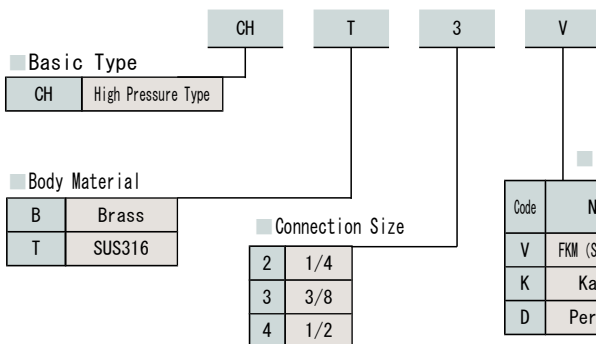
Connection Size (Rc)	A	B	HEX	CV (Ref)
1/4	46.0	5.0	19.0	0.5
3/8	60.0	9.2	24.0	1.5
1/2	73.0	9.2	27.0	1.5



No.	Name	Material	
		B (Brass)	T (SUS316)
1	Body1	Brass	SUS
2	Body2	Brass	SUS
3	Poppet	Brass	SUS
4	Spring	SUS	
5	O-ring	FKM (Standard)	



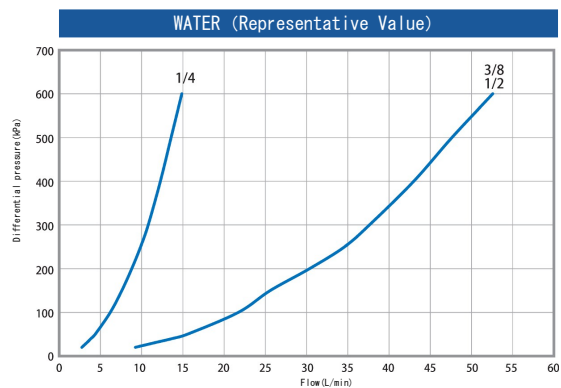
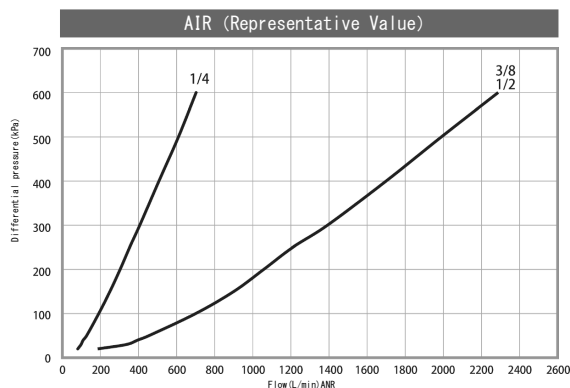
Part Number Selection Table



Code	Name	Operation Temperature Range (Ref)	Code	Name	Operation Temperature Range (Ref)
V	FKM (Standard)	-12~+180°C	S	Silicon	-45~+180°C
K	Kalrez	-4~+284°C	E	EPDM	-40~+90°C
D	Perflour	-27~+207°C	N	NBR	-27~+90°C

※Contact us; Other materials and under -20°C or Over 100°C.

Flow Chart



Features

HVC



- Large Capacity model
- Various connection-size lineup
- Flexible attachment direction

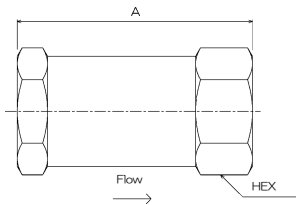
Specifications

Max Operating Pressure	HVCB	8MPa
	HVCT	13MPa
Proof Pressure	HVCB	12MPa
	HVCT	20MPa
Body Material	Brass/SUS316	
Connection Size	Rc1/8~Rc1"	
Seal Material	Fluorine rubber FKM (Standard)	
Operating Temperature Range	Based on seal selection	
Back-up ring Material	PTFE	
Cracking Pressure	7kPa (Standard)	
Remarks	■ Contact us: Connection "1-1/4 ~ 2"	
	■ Optional cracking pressure: 1、20、50kPa	

Dimensions/Materials

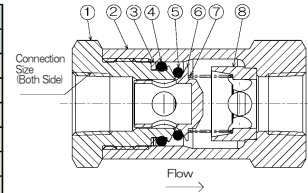
HVC

Dimensions <mm>			
Connection Size (Rc)	A	HEX	CV (Ref)
1/8	43.0	21.0	0.95
1/4	57.0	27.0	2.1
3/8	62.0	29.0	3.1
1/2	75.0	41.0	5.2
3/4	86.0	46.0	7.4
1"	101.0	50.0	11.7



Materials

No	Name	Material	
		B (Brass)	T (SUS316)
1	Body1	Brass	SUS
2	Body2	Brass	SUS
3	Back-up ring	PTFE	
4	(For body) O-ring	FKM (Standard)	
5	(For valve) O-ring	FKM (Standard)	
6	Poppet	Brass	SUS
7	Spring	SUS	
8	Spring Guide	Brass	SUS



Part Number Selection Table

HVC
B
2
V
※
Optional Cracking Pressure

Basic Type
Large Capacity

Body Material
Brass
SUS316

Connection Size
1/8
1/4
3/8
1/2
3/4
1"

Seal Material
FKM (Standard)
Silicon
Kalrez
EPDM
Perflour
NBR

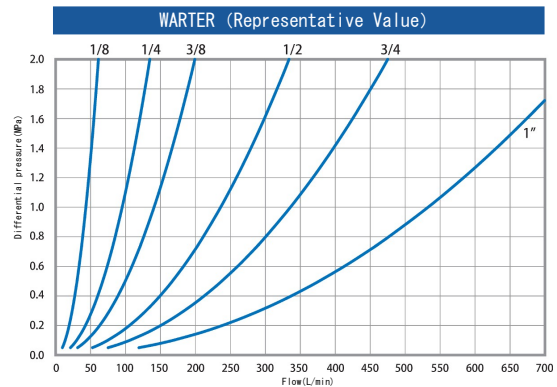
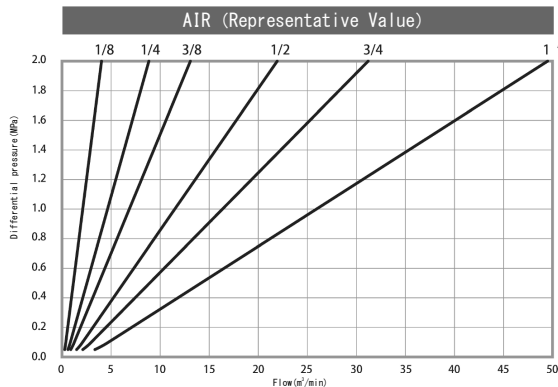
Code	7kPa	20	20kPa
1	1kPa	50	50kPa

* When optional cracking is 50kPa, it will be -50.

Code	Name	Operation Temperature Range (Ref)	Code	Name	Operation Temperature Range (Ref)
V	FKM (Standard)	-12~+180°C	S	Silicon	-45~+180°C
K	Kalrez	-4~+284°C	E	EPDM	-40~+90°C
D	Perflour	-27~207°C	N	NBR	-27~+90°C

* Contact us: Other materials and under -20°C or Over 100°C.

Flow Chart



Network: OSAKA TOKYO FUKUOKA AICHI SHANGHAI(CHINA) DAEJEON(KOREA) ARIZONA(USA) HO CHI MINH(VIETNAM)
 TAIPEI(TAIWAN) KOWLOON(HONG KONG) BANGKOK(THAILAND) INDIA(KOTA)
 Head Office: Minamishinmachi EXCEL Bldg. 2F 1-3-10 Minamishinmachi, Chuo-ku, Osaka, 540-0024 Japan
 TEL : +81-6-6944-1313 FAX: +81-6-6944-1323
 Tokyo Office: Tsukiyasu No.2 Bldg. 3F 5-32-10, Higashinippori, Arakawa-ku, Tokyo, 116-0014 Japan
 TEL : +81-3-5615-0234 FAX: +81-3-5615-0235
 Web site: <http://www.ask-ibs.jp/> E-mail: info@ask-ibs.jp

Features

CAM



- Cracking pressure can be adjusted
- Corresponds to high pressure (Max operating pressure: 20MPa)
- Best for demo machine and research application

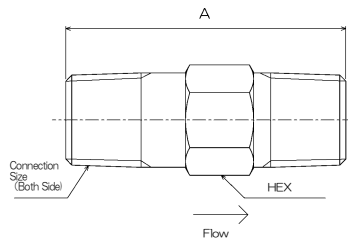
Specifications

Max Operating Pressure	20MPa
Proof Pressure	30MPa
Body Material	Brass/SUS316
Connection Size	R1/4, R1/2
Adjuster tool	Hexagon Wrench (Nomal) 1/4=4mm 1/2=8mm
Seal Material	Fluorine rubber FKM (Standard)
Operating Temperature Range	Based on seal selection
Cracking Pressure	
Remarks	<ul style="list-style-type: none"> ■ Contact us: Femal type ■ Adjuster tool is not included

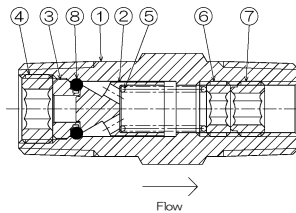
Dimensions/Materials

CAM

Dimensions <mm>			
Connection Size (R)	A	HEX	CV (Ref)
1/4	41.0	14.0	0.35
1/2	65.0	23.0	1.25

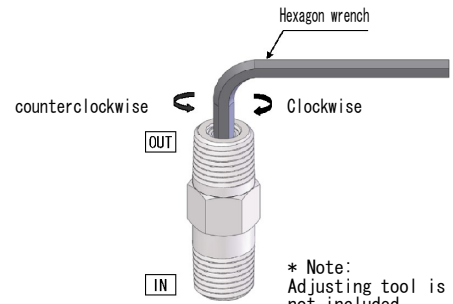


Materials			
No.	Name	Material	
		B (Brass)	T (SUS316)
1	Male Body	Brass	SUS
2	Poppet	Brass	SUS
3	Valve sheet	Brass	SUS
4	Sheet lock-nut	Brass	SUS
5	Spring	SUS	
6	Adjust-nut	Brass	SUS
7	Lock-nut	Brass	SUS
8	O-ring	FKM (Standard)	



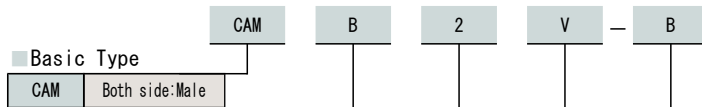
How to adjust

CAM



- 1) Loosen "lock nut" with hexagon wrench to counterclockwise direction.
- 2) Insert the hexagon wrench into the "adjusting nut" to adjust the cracking pressure.
To increase crack pressure: clockwise
To decrease crack pressure: counterclockwise
- 3) Pull back the hexagon wrench to bottom of lock-nut and turn the lock-nut clockwise to tighten.
- 4) Confirm the cracking pressure.

Part Number Selection Table



Body Material

B	Brass
T	SUS316

Connection Size

2	1/4
4	1/2

Seal Material

Code	Name	Operation Temperature Range (Ref)	Code	Name	Operation Temperature Range (Ref)
V	FKM (Standard)	-12~+180°C	E	EPDM	-40~+90°C
N	NBR	-27~+90°C	K	Kalez	-4~+284°C

Spring Code (kPa)

Code	Set Cracking pressure (kPa)
A	20~100
B	110~350
C	360~1000
D	1010~2400
E	2410~4100

* Note: If you want to set the pressure in our factory, please stipulate pressure after spring code when you order.

(Ex) CAMB2V-B-300 kpa
(Addressable resolution: 10kPa)
(Setting pressure is not engraved on the body)

* Contact us; Other materials and under -20°C or Over 100°C.

Features

C5



- Fluorine resin for liquid wetted parts, excellent resistance
- Corresponds to various medicinal solution
- Fluorine resin spring

Specifications

Operating Pressure	0~400kPa
Proof Pressure	500kPa
Connection Size	PT3/8~PT3/4
Material of Liquid Contact Parts	PTFE・PFA・O-ring
Seal Material	Acid resistant fluorine rubber (Standard)
Cracking Pressure	20kPa or less (Standard)
Operating Temperature Range	5~80°C
Usage Environment Range	5~60°C

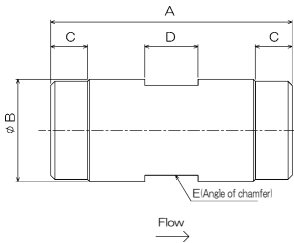
Remarks
 ■ Contact us: Hose connection, other connection size

Dimensions/Materials

C5

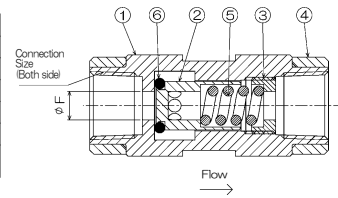
Dimensions

Connection Size (Rc)	A	B	C	D	E	F
3/8	59	φ25	9	13	22	φ7
1/2	74	φ30	16	16	26	φ10
3/4	85	φ37	18	15	34	φ14



Materials

No.	Name	Material
1	Body	PTFE
2	Disc	PTFE
3	Stopper	PFA
4	Cap	PVDF
5	Spring	Teflon mold
6	O-ring	Acid resident FKM (Standard)



Part Number Selection Table

C5 - 3 - V - ※

Basic Type
C5 PTFE

Optional Cracking

No code	20kPa	2	200kPa (1/2)
0.5	50kP (3/8, 1/2)	3	300kPa (1/2)

Connection Size

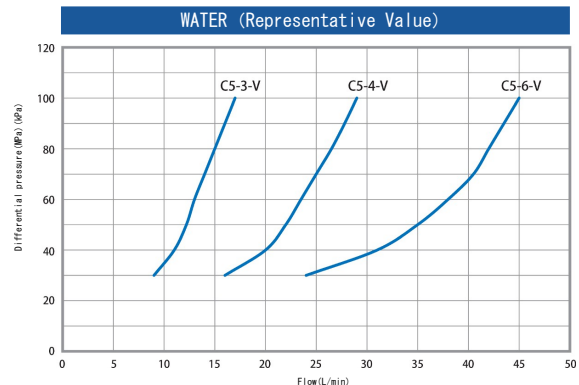
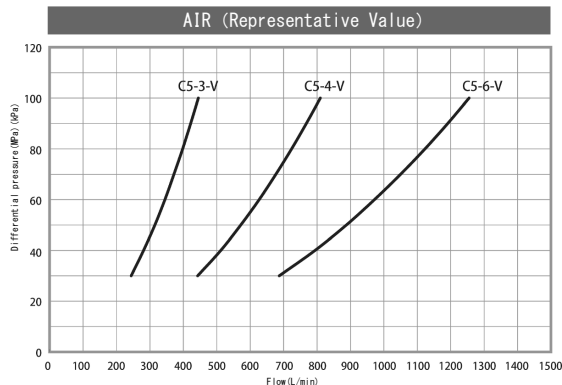
3	3/8
4	1/2
6	3/4

Seal Material

Code	Name	Code	Name
V	Acid resistant fluorine rubber (Standard)	E	EPDM
P	Perflour	K	Kalrez

* Contact us: Other materials

Flow Chart



Network: OSAKA TOKYO FUKUOKA AICHI SHANGHAI(CHINA) DAEJEON(KOREA) ARIZONA(USA) HO CHI MINH(VIETNAM)
 TAIPEI(TAIWAN) KOWLOON(HONG KONG) BANGKOK(THAILAND) INDIA(KOTA)
 Head Office: Minamishinmachi EXCEL Bldg. 2F 1-3-10 Minamishinmachi, Chuo-ku, Osaka, 540-0024 Japan
 TEL : +81-6-6944-1313 FAX: +81-6-6944-1323
 Tokyo Office: Tsukiyasu No.2 Bldg. 3F 5-32-10, Higashinippori, Arakawa-ku, Tokyo, 116-0014 Japan
 TEL : +81-3-5615-0234 FAX: +81-3-5615-0235
 Web site: <http://www.ask-ibs.jp/> E-mail: info@ask-ibs.jp

Features

C8



- Resin with lightweight
- Correspond to tap water and various fluid
- Flexible attachment direction
- Specified low crack pressure

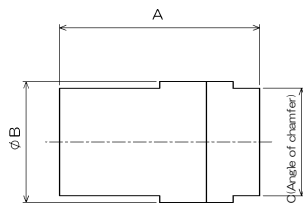
Specifications

Fluid	Main:Water (Air)
Operating Pressure	0~0.5MPa
Proof Pressure	0.8MPa
Cracking Pressure	3kPa
Connection size	Rc1/4~Rc1/2
Body Material	POM(Polyacetal)
Seal Material	Fluorine rubber(Standard)
Operating Temperature Range	5~55°C
Remarks	<ul style="list-style-type: none"> ■ Be careful to leak from screw and piping stress when it's installed ■ Cannot be used for over 1hour of continuous with operation temperature over 45°C ■ Contact us: Other fluid,materials

Dimensions/Materials

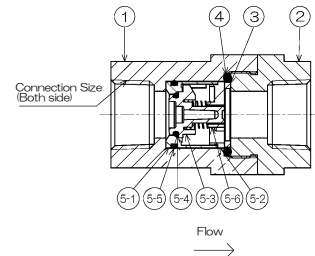
C8

Dimensions			
Connection Size(Rc)	A	(φ) B	C (Angle of chamfer)
1/4	55	32	28
3/8	57	34	30
1/2	60	36	32

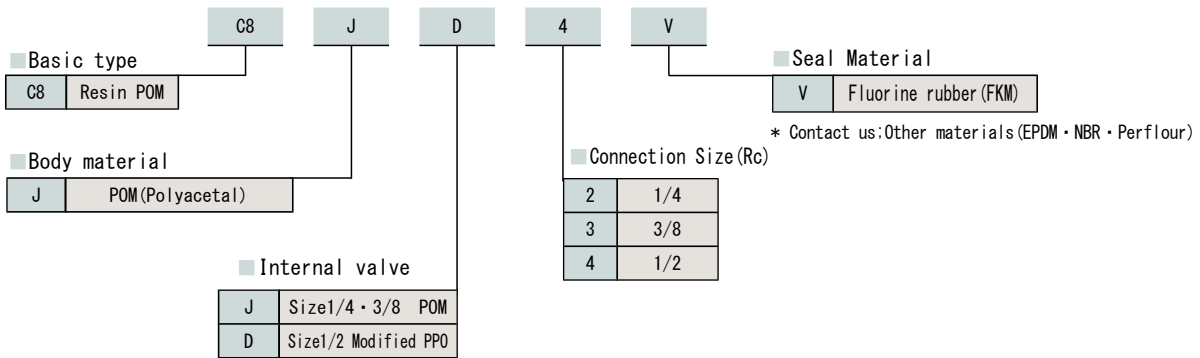


Materials

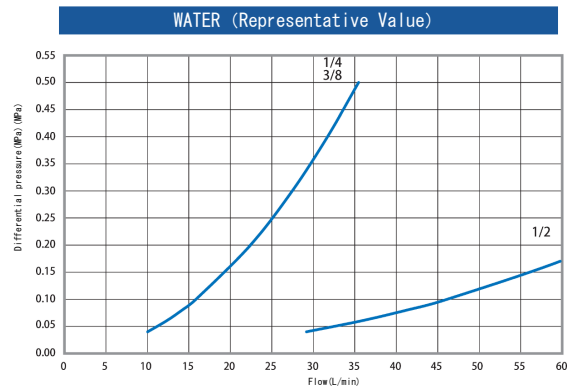
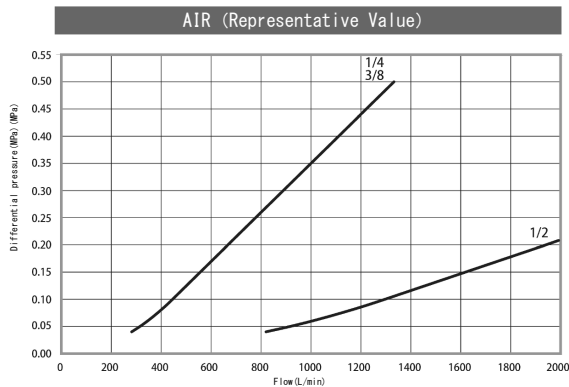
No.	Name	Material	
		J (POM)	D (Modified PPO)
1	Body A	POM	
2	Body B	POM	
3	Spacer	POM	
4	O-ring	FKM (Standard)	
5-1	Casing body	POM	Modified PPO
5-2	Valve holder	POM	Modified PPO
5-3	Check valve body	POM	Modified PPO
5-4	O-ring	FKM (Standard)	
5-5	O-ring	FKM (Standard)	
5-6	Spring	SUS	



Part Number Selection Table



Flow Chart



Features

CC



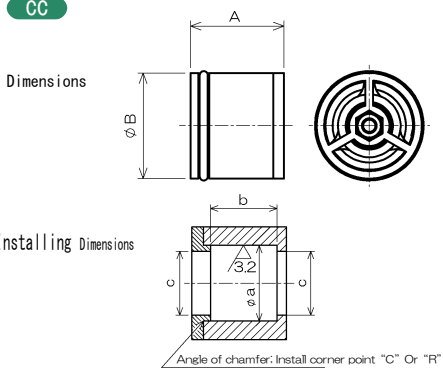
- Cartridge type, best for tiny device
- Resin (Spring: SUS) with lightweight and low cost
- Correspond to tap water and various fluid
- Specified low crack pressure

Specifications

Fluid	Main: Water (Air)
Operating Pressure	0~0.75MPa
Proof Pressure	1.75MPa
Cracking Pressure	3kPa
Connection size	φ13mm · φ20mm
Body Material	13mm=POM 20mm=ModifiedPPO
Seal Material	Fluorine rubber (Standard)
Operating Temperature Range	0~60°C
Remarks	<ul style="list-style-type: none"> ■ Minimum order Q'ty: 10pcs ■ Cannot be used for over 1hour of continuous with operation temperature over 45°C ■ Contact us: Other fluid, materials

Dimensions/Materials

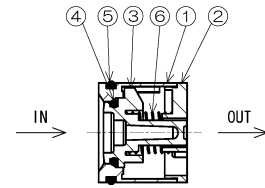
CC



Nominal Diameter	(φ) A	B
φ13mm	12.8	16
φ20mm	19.8	17.6

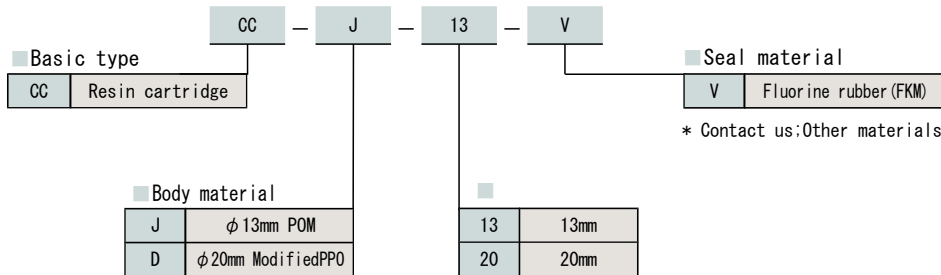
	Nominal Diameter	
	φ13mm	φ20mm
φ a ^{+0.1} ₀	13	20.1
b	16.5	18
c	10	17

* It's reference example: Please confirm and prepare the connection other side by yourself.



No	Name	Material	
		φ13mm	φ20mm
①	Casing body	POM	Modified PPO
②	Valve holder	POM	Modified PPO
③	Check valve body	POM	Modified PPO
④	O-ring	FKM (Fluorine)	
⑤	O-ring	FKM (Fluorine)	
⑥	Spring	SUS304	

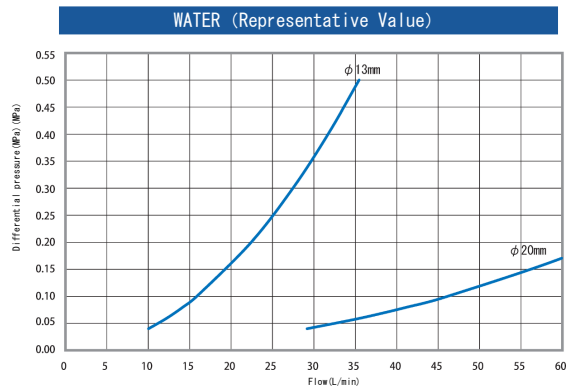
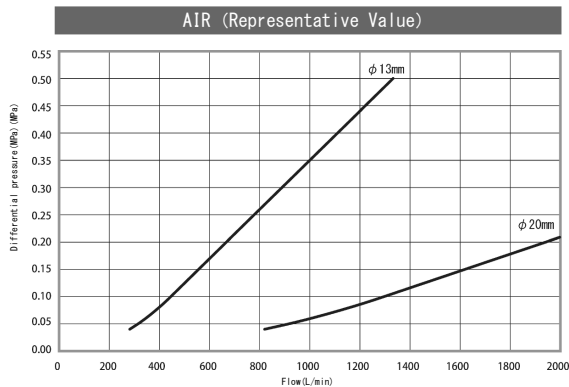
Part Number Selection Table



* Contact us: Other materials

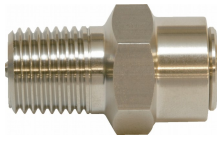
* Standard Product no. ① φ13=CC-J-13V ② φ20=CC-D-20V

Flow Chart

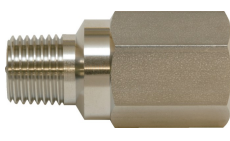


Features

RA



RL



- High precision cracking and high repeatability
- Various connection size
- Compact and light weight
- Factory preset and tested

Specifications

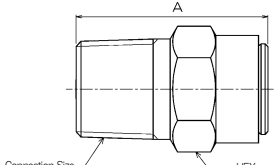
Proof Pressure	1.62MPa	
Connection Size	RA	R1/8~R1"
	RL	1/4~1-1/4 (In R x Out Rc)
Body Material	Brass/SUS316	
Seal Material	Fluorine rubber FKM (Standard)	
Operating Temperature Range	Based on seal selection	
Cracking Pressure	3~1080kPa	
	* RA (1/8) and RL (1/4): Setting range is 3~970kPa	
	* 3~29kPa settings are optional	
Remarks	<ul style="list-style-type: none"> ■ RA series: Nickel plated brass body specification ■ Mounting direction must be upward for the crack pressure 5 kPa or less 	

Dimensions/Materials

RA

<mm>

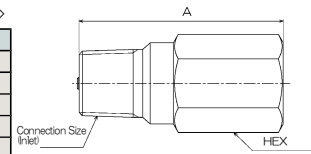
Dimensions	Connection Size (R)		A	HEX
		1/8	25.5±2.0	13.0
	1/4	31.0±2.0	17.0	
	3/8	33.0±2.0	19.0	
	1/2	44.8±3.0	26.0	
	3/4	52.4±3.0	29.0	
	1"	72.8±3.0	38.0	



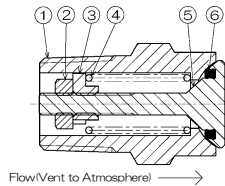
RL

<mm>

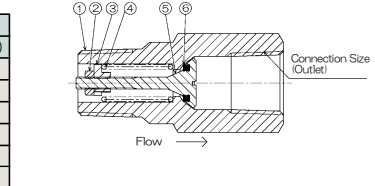
Dimensions	Connection Size (In Rc)		A	HEX
		1/4	41.0	19.0
	3/8	53.0	22.0	
	1/2	60.0	27.0	
	3/4	69.0	32.0	
	1"	90.0	38.0	
	1-1/4	115.0	50.0	



Materials	No	Name	Material	
			B (Brass)	T (SUS316)
	1	Body	Brass	SUS
	2	Nut	SUS	
	3	Guide	Brass or SUS	SUS
	4	Spring	SUS	
	5	Poppet	Brass	SUS
	6	Special Seal	FKM (Standard)	



Materials	No	Name	Material	
			B (Brass)	T (SUS316)
	1	Body	Brass	SUS
	2	Nut	SUS	
	3	Guide	Brass or SUS	SUS
	4	Spring	SUS	
	5	Poppet	Brass	SUS
	6	Special Seal	FKM (Standard)	



Part Number Selection Table

Basic type

RA	Vent type
RL	In-line type

Connection size

1	1/8 ^{RA only}	6	3/4
2	1/4	8	1"
3	3/8	10	1-1/4 ^{RL only}
4	1/2		

Body material

B	Brass
T	SUS316

Seal material

Code	Name	Operating Temperature Range (Refer)
V	FKM (Standard)	-12~+180°C
D	Perfluor	-27~+207°C
N	NBR	-27~+90°C

Cracking pressure (kPa)

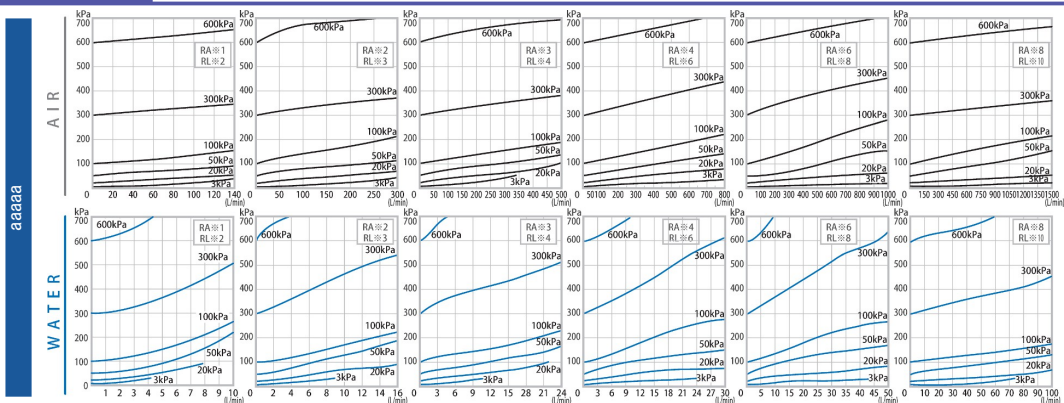
For example of direction:
50kPa (0.05MPa) will be 「50」
1.0MPa (1000kPa) will be 「1000」

* Caution

Be sure to specify the setting pressure in kPa when ordering.
<Ref. > 1kgf/c m² ≒ 98kPa 1psi ≒ 6.9kPa

* Contact us; Other materials and under -20°C or Over 100°C.

Flow Chart



Features

RC



- Can be confined blowing direction by deflector cap when it relief
- Prevent foreign substance into inside valve
- High performance of cracking and sealing
- Factory preset and tested

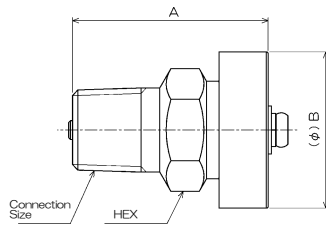
Specifications

Connection Size	R1/8~R3/4
Body Material	Brass/SUS316
Seal Material	Fluorine rubber FKM(Standard)
Cap Material	Aluminum alloy(Alumite)
Cracking Pressure	30~1080kPa *For size Rc1/8: MaX 970kPa
Proof Pressure	1.62MPa
Operating Temperature Range	Based on seal selection
Remarks	<ul style="list-style-type: none"> ■ Mounting direction must be upward ■ Body material brass type is Nickel coat ■ Contact us: Connection size 1 inch

Dimensions/Materials

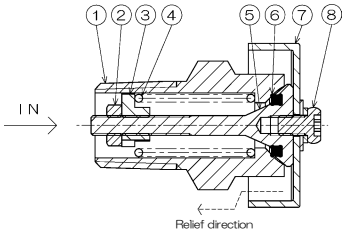
RC

Dimensions			
Connection Size(R)	A	(φ) B	HEX
1/8	26.5	18.0	13.0
1/4	32.0	25.0	17.0
3/8	34.0	32.5	19.0
1/2	45.8	37.2	26.0
3/4	73.8	37.2	29.0

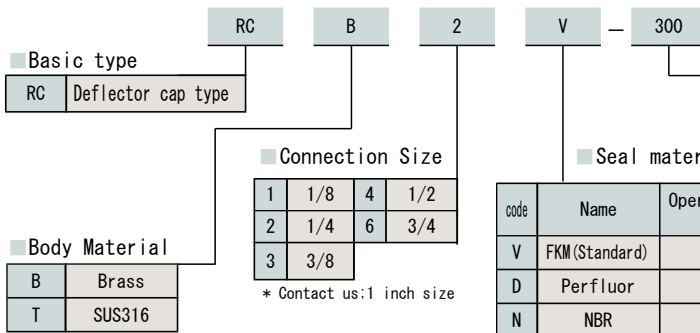


Materials

No	Name	Material	
		B(Brass)	T(SUS316)
1	Body	Brass	SUS
2	Hexagon Nut	SUS	
3	Guide	Brass or SUS	SUS
4	Spring	SUS	
5	Poppet	Brass	SUS
6	Special Seal	FKM (Standard)	
7	Cap	Aluminum ally(Alumite)	
8	Screw	SUS	



Part Number Selection Table



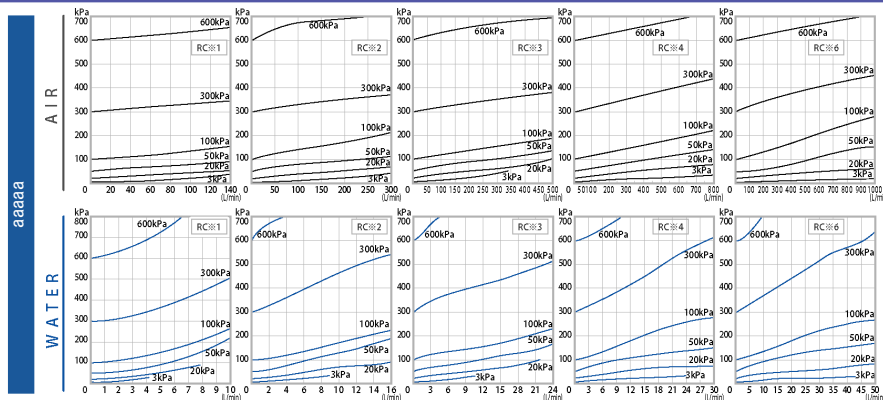
Cracking Pressure (kPa)

For example of direction:
50kPa(0.05MPa) will be 「50」
1.0MPa(1000kPa) will be 「1000」

*** Caution**
Be sure to specify the setting pressure in kPa when ordering.
<Ref. > 1kgf/c m²≒98kPa 1psi≒6.9kPa

* Contact us: Other materials and under -20°C or Over 100°C.

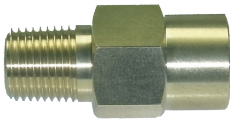
Flow Chart



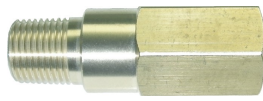
Network: OSAKA TOKYO FUKUOKA AICHI SHANGHAI(CHINA) DAEJEON(KOREA) ARIZONA(USA) HO CHI MINH(VIETNAM) TAIPEI(TAIWAN) KOWLOON(HONG KONG) BANGKOK(THAILAND) INDIA(KOTA)
 Head Office: Minamishinmachi EXCEL Bldg. 2F 1-3-10 Minamishinmachi, Chuo-ku, Osaka, 540-0024 Japan
 TEL : +81-6-6944-1313 FAX: +81-6-6944-1323
 Tokyo Office: Tsukiyasu No.2 Bldg. 3F 5-32-10, Higashinippori, Arakawa-ku, Tokyo, 116-0014 Japan
 TEL : +81-3-5615-0234 FAX: +81-3-5615-0235
 Web site: <http://www.ask-ibs.jp/> E-mail: info@ask-ibs.jp

Feature

RHA



RHL



- Corresponds to High pressure (Set pressure : 4.2MPa)
- Compact and light weight
- Factory preset and tested
- Can be used for special fluid by choice the seal material

Specifications

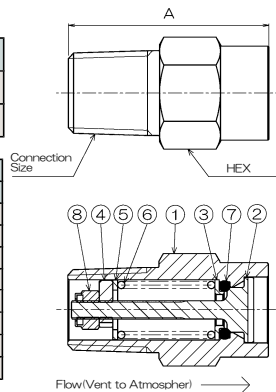
Proof Pressure	6.8MPa	
Connection Size	RHA	R1/8、R1/4
	RHL	In R1/8×Out Rc1/8 In R1/4×Out Rc1/4
Body Material	Brass/SUS316	
Seal Material	Fluorine rubber FKM (Standard)	
Operating Temperature Range	Based on seal selection	
Cracking Pressure	1000~4200kPa	
Remarks	■ RHA is Brass only Contact us: SUS type	

Dimensions/Materials

RHA

Connection Size (R)	A	HEX
1/8	28.0	13.0
1/4	33.0	16.0

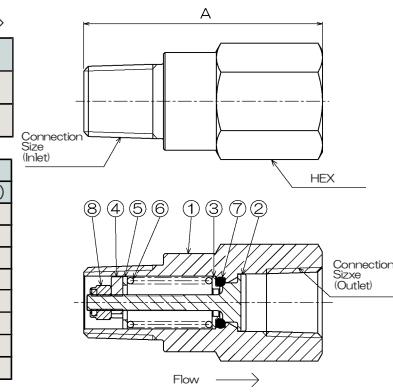
No	Name	Material	
		B (Brass)	T (SUS316)
1	Body	Brass	SUS
2	Poppet	Brass	SUS
3	O-ring Guide	Brass	SUS
4	Guide	Brass	SUS
5	Spring sheet	SUS	
6	Spring	SUS	
7	O-ring	FKM (Standard)	
8	Nylon Nut	SUS+Nylon	



RHL

Connection Size (R)	A	HEX
1/8	37.0	13
1/4	45.0	19

No	Name	Material	
		B (Brass)	T (SUS316)
1	Body	Brass	SUS
2	Poppet	Brass	SUS
3	O-ring Guide	Brass	SUS
4	Guide	Brass	SUS
5	Spring Sheet	SUS	
6	Spring	SUS	
7	O-ring	FKM (Standard)	
8	Nylon Nut	SUS+Nylon	



Part Number Selection Table

Basic Type

RHA	High pressure/Vent to Atmospher
RHL	High pressure/In-line

Body Material

B	Brass
T	SUS316

Nut Material

N	SUS303+Nylon (Standard)
X	SUS316

RHA B N 2 V - 1550

Connection Size	
1	1/8
2	1/4

Cracking Pressure (kPa)

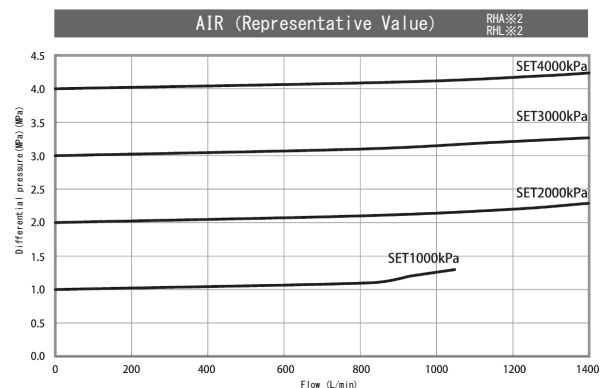
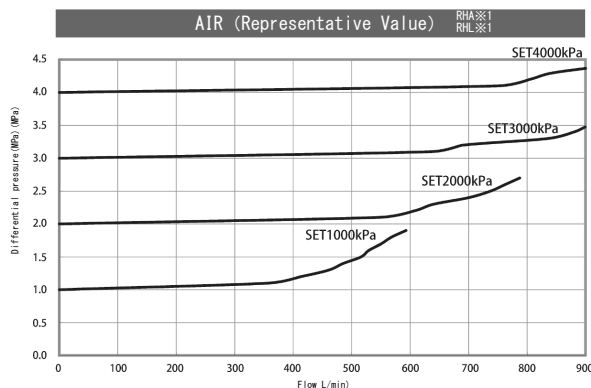
Addressable resolution: every 10kPa (0.01MPa)

Seal Material

Code	Name	Operating Temperature Range (Refer)	Code	Name	Operating Temperature Range (Refer)
V	FKM (Standard)	-12~+180°C	E	EPDM	-40~+90°C
N	NBR	-27~+90°C	K	Kalrez	-4~+284°C

* Other materials and under -20°C or Over 100°C

Flow Chart



Features

RM1



- External crack pressure adjustment
- Factory preset and tested
- SUS body with SCS14 which is excellent corrosion resistance
- Inline and large capacity model, corresponds to liquid (Comparison with our other products)
- Pressure can be fixed by lock nut
- Can be controlled oscillation by special packing

Specifications

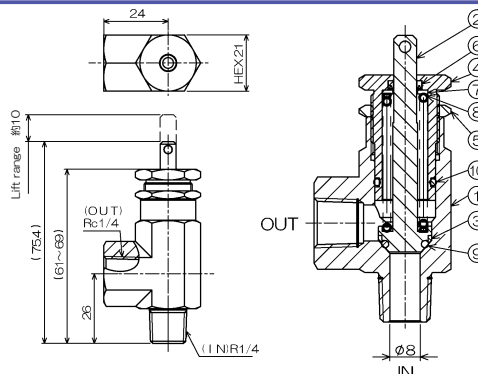
Using Fluid	Water/Air/inactive gas
Connection Size	(In)R1/4 × (Out)Rc1/4
Body Material	Brass or SCS14
Seal Material	Fluorine rubber FKM (Standard)
Max Operating Pressure	2.0MPa
Setting Cracking Pressure	50~1500kPa
Proof Pressure	3.0MPa
Operating Temperature Range	0~+90°C (Standard)
Operating Around Temperature	0~+60°C
Remarks	<ul style="list-style-type: none"> ■ Optional: Pulling lever ■ Contact us: Other materials, Using Fluid

Dimensions/Materials

RM1

Materials

No	Name	Material	
		B (Brass)	T (SUS)
①	Body	Brass	SUS
②	Poppet		SUS
③	Back-up ring		SUS
④	Adjust-Nut	Brass	SUS
⑤	Lock-Nut (Not contact with fluid)		SUS
⑥	Special Packing		FKM (Standard)
⑦	Spring Sheet		SUS
⑧	Spring		SUS
⑨	O-ring		FKM (Standard)
⑩	O-ring		FKM (Standard)



* This chart is SUS type. (Brass type is same dimension)

Part Number Selection Table

RM1 T 2 V - A - 150 - ※

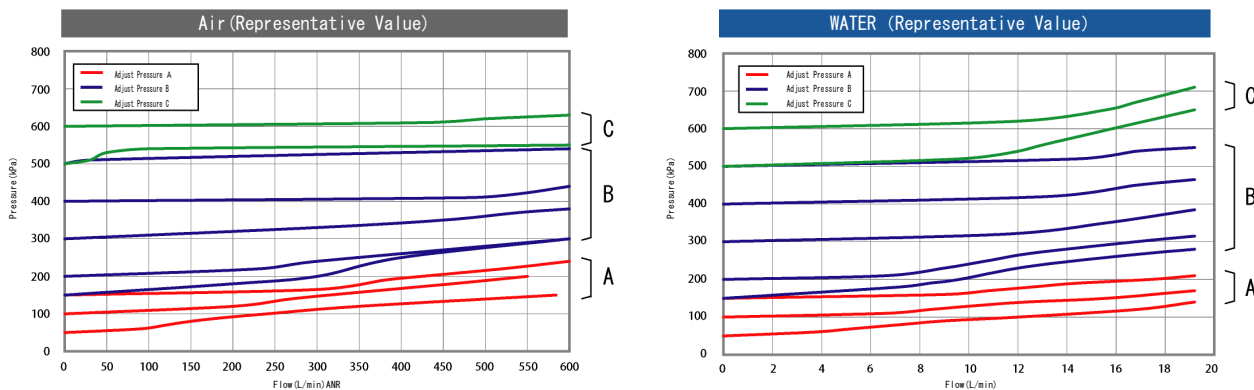
- Basic Model**
 - RM1 Externally Adjustable
- Body Material**
 - B Brass
 - T SCS14
- Connection Size**
 - 2 1/4
- Seal Material**

Code	Name	Operating Temperature Range
V	FKM (Standard)	0~+90°C
N	NBR	-20~+60°C
- Setting Pressure Range (Spring Code)**

Spring Code	Setting Pressure Range (kPa)
A	50~150
B	150~500
C	500~1500
- Option (Manually Open)**

No code	No option
P	Pulling
R	(Toggle) Lever
- Cracking Pressure (kPa)**
Addressable resolution: 10kPa (0.01MPa)

Flow Chart



Network: OSAKA TOKYO FUKUOKA AICHI SHANGHAI(CHINA) DAEJEON(KOREA) ARIZONA(USA) HO CHI MINH(VIETNAM) TAIPEI(TAIWAN) KOWLOON(HONG KONG) BANGKOK(THAILAND) INDIA(KOTA)
 Head Office: Minamishinmachi EXCEL Bldg. 2F 1-3-10 Minamishinmachi, Chuo-ku, Osaka, 540-0024 Japan
 TEL : +81-6-6944-1313 FAX: +81-6-6944-1323
 Tokyo Office: Tsukiyasu No.2 Bldg. 3F 5-32-10, Higashinippori, Arakawa-ku, Tokyo, 116-0014 Japan
 TEL : +81-3-5615-0234 FAX: +81-3-5615-0235
 Web site: <http://www.ask-ibs.jp/> E-mail: info@ask-ibs.jp

Special Order ~Example~

If you have any difficulties...

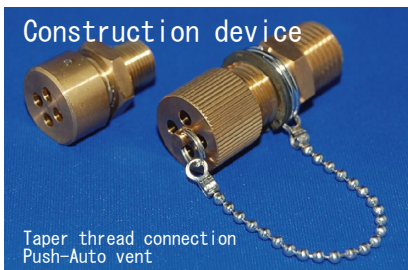
IBS can provide custom designed solutions for special usage and connections, quality improvements, downsizing, cost-cut..etc.

<Examples>

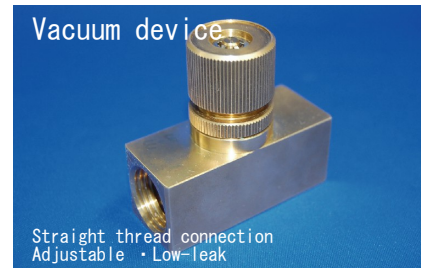
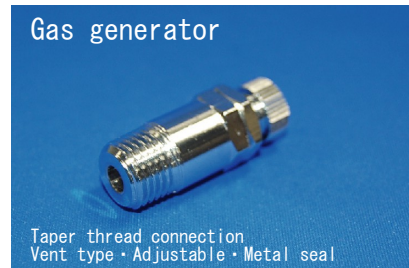
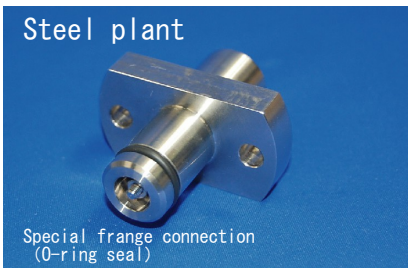
- Irregular connections
 - flange, quick fastener, bolt fastening, metric screw thread, whitworth screw thread, unified screw thread, flare-less screw...etc.
- Irregular materials
 - Aluminum, lead-less copper alloy materials, stainless steel SUS316L
 - Engineering Plastic (POM, PPS, PTFE, PEEK...etc)
 - Nickel alloy (Hastelloy, Inconel...etc)
- Irregular seal materials
 - Fluorocarbon polymers, specialized silicon, ternary fluoro rubber, cold-resistant NBR, H-NBR, specialized perflour
- When using overseas articles which deadline, price or quality doesn't meet your requirement. Etc...

We will correspond as much as possible, regardless of quantity.

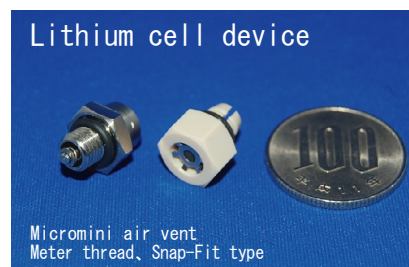
Reference example <Check Valve>



<Relief Valve>



<Others>



Network: OSAKA TOKYO FUKUOKA AICHI SHANGHAI(CHINA) DAEJEON(KOREA) ARIZONA(USA) HO CHI MINH(VIETNAM)
 TAIPEI(TAIWAN) KOWLOON(HONG KONG) BANGKOK(THAILAND) INDIA(KOTA)
 Head Office: Minamishinmachi EXCEL Bldg. 2F 1-3-10 Minamishinmachi, Chuo-ku, Osaka, 540-0024 Japan
 TEL : +81-6-6944-1313 FAX: +81-6-6944-1323
 Tokyo Office: Tsukiyasu No.2 Bldg. 3F 5-32-10, Higashinippori, Arakawa-ku, Tokyo, 116-0014 Japan
 TEL : +81-3-5615-0234 FAX: +81-3-5615-0235
 Web site: <http://www.ask-ibs.jp/> E-mail: info@ask-ibs.jp

Precautions for use

Please read instructions carefully before use and apply with care.

We are not responsible for accidents under inappropriate use.

- Protect valves from freezing when operating under 5°C.
- Do not disassemble.
- Set valves at safe environment with appropriate directions.
- The setting position of valves should be considered for convenience of inspections.
- No refund essentially.
- Avoid installing valves in unstable fluid piping.
- Valve vibration or noise can be found depends on the pressure and the flow.
- At the first installing or being not used for a long time, the crack pressure can be rater high.
- Compatibility check (corrosion) to the fluid is essential.
- For the improvement, forms and sizes are subject to alteration without notice.

Precautions for installations

Please install the valves with the care of below precautions.

- Do not tighten valves too much to avoid transformation or damage to screws which can draw dis-operation
- Install the valves in appropriate directions using proper seal materials and tools.
- Before and after installation, enough flashing should be applied.
- Clean up trash and dust in the line. Leaving them including seal tape inside can draw dis-operation Only operate with clean fluid.
- After installations, test the operation to avoid leaks from connections.

Warranty

- The warranty period for our products is a year after delivery. If failure happens because of our supplied products during this period, they will be replaced.
- We do not guarantee or warrant the secondary loss caused by the failure of our supplied products.

The below cases are not applicable of the warranty:

- When inappropriately used or handled.
- When remodeled or fixed by other company / person.
- When used under extreme conditions.
- Due to disaster or conflict.
- When the product is not identified as our products.



Network: OSAKA TOKYO FUKUOKA AICHI SHANGHAI(CHINA) DAEJEON(KOREA)
ARIZONA(USA) HO CHI MINH(VIETNAM) TAIPEI(TAIWAN) KOWLOON(HONG KONG)
BANGKOK(THAILAND) INDIA(KOTA)

Head Office: Minamishinmachi EXCEL Bldg. 2F 1-3-10 Minamishinmachi, Chuo-ku, Osaka, 540-0024 Japan

TEL : +81-6-6944-1313 FAX:+81-6-6944-1323

Tokyo Office: Tsukiyasu No.2 Bldg. 3F 5-32-10, Higashinippori, Arakawa-ku, Tokyo, 116-0014 Japan

TEL : +81-3-5615-0234 FAX:+81-3-5615-0235

Web site: <http://www.ask-ibs.jp/> E-mail: info@ask-ibs.jp