



### Right Angle Check Valve In-line Check Valve

320ℓ/min  
21MPa

#### Features

- ① The right angle type check valve changes the flow direction of fluid 90 degrees, while the in-line check valve allows only axial direction flow.
- ② The cracking pressures of these valves are fixed, so fluid passes freely in one direction, but is restricted from flowing in the opposite direction.

#### Specifications

	Model No.		Nominal Diameter (Size)	Maximum Working Pressure MPa(kgf/cm <sup>2</sup> )	Maximum Flow Rate ℓ/min	Cracking Pressure MPa(kgf/cm <sup>2</sup> )	Weight kg	
	Screw Mounting	Gasket Mounting					T Type	G Type
Right Angle Check Valve	CA-T03-1-20 2 3	CA-G03-1-20 2 3	3/8	21 {214}	40	0.04 {0.4} 0.35 {3.6} 0.50 {5.1}	1.0	1.8
	CA-T06-1-20 2 3	CA-G06-1-20 2 3	3/4		110	0.04 {0.4} 0.35 {3.6} 0.50 {5.1}	2.2	3.9
	CA-T10-1-20 2 3	CA-G10-1-20 2 3	1 1/4		320	0.04 {0.4} 0.35 {3.6} 0.50 {5.1}	4.0	6.1
In-line Check Valve	CN-T03-1-11 2 3	-	3/8		30	0.04 {0.4} 0.35 {3.6} 0.50 {5.1}	0.4	-
	CN-T06-1-11 2 3		3/4		75	0.04 {0.4} 0.35 {3.6} 0.50 {5.1}	0.7	
	CN-T10-1-11 2 3		1 1/4		190	0.04 {0.4} 0.35 {3.6} 0.50 {5.1}	2.2	

#### ● Handling

- ① Use the following table for specification when a sub plate is required.
- ② The following are the bundled mounting bolts.

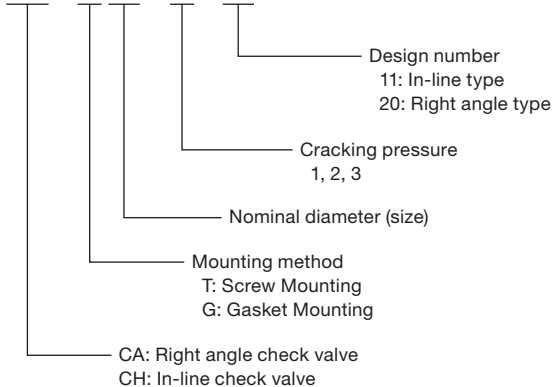
Model No.	Pipe Diameter	Recommended Flow Rate ℓ/min	Weight kg	Applicable Valve Type
MCA-03-20	3/8	40	1.4	CA-G03-* -20
MCA-06-21	3/4	110	3.5	CA-G06-* -20
MCA-10-20	1 1/4	320	6.1	CA-G10-* -20

Model No.	Bolt Dimensions	Q'ty	Tightening Torque N·m(kgf·cm)
CA-G03-* -20	M8×45ℓ	4	20 to 25 {205 to 255}
CA-G06-* -20	M16×65ℓ	4	190 to 235 {1940 to 2400}
CA-G10-* -20	M20×75ℓ	4	370 to 460 {3770 to 4690}

Note) For mounting bolts, use bolts of 12.9 strength classification or equivalent.

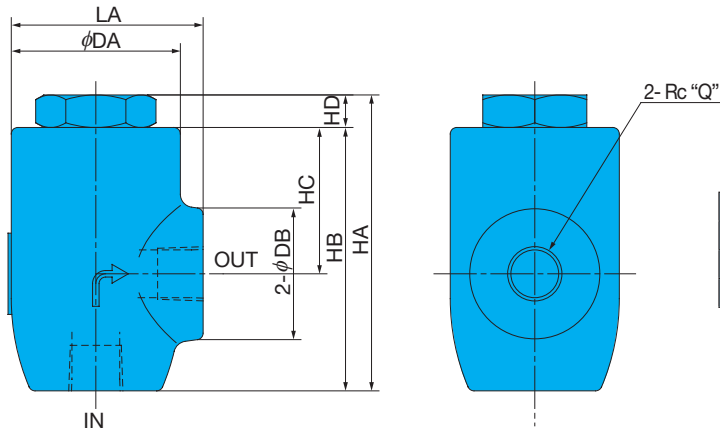
#### Explanation of model No.

CA - T 03 - 1 - 20



# Installation Dimension Drawings

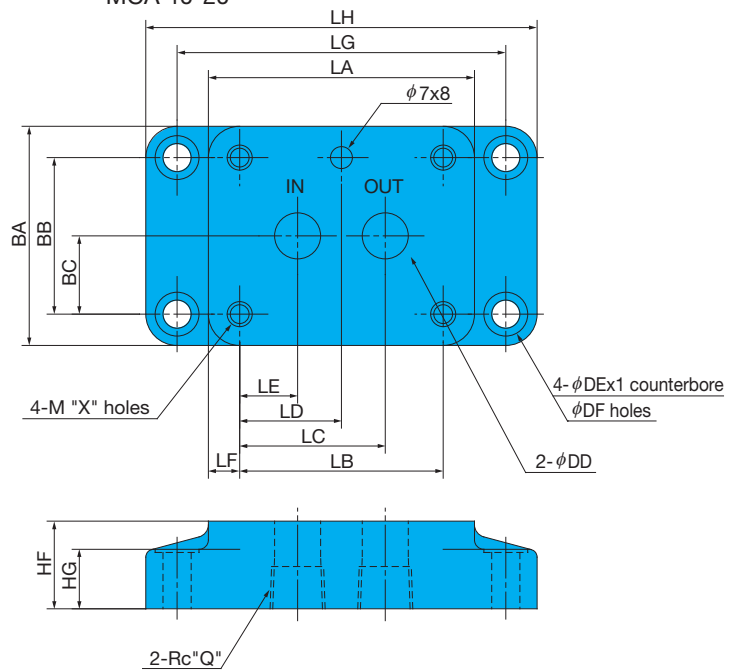
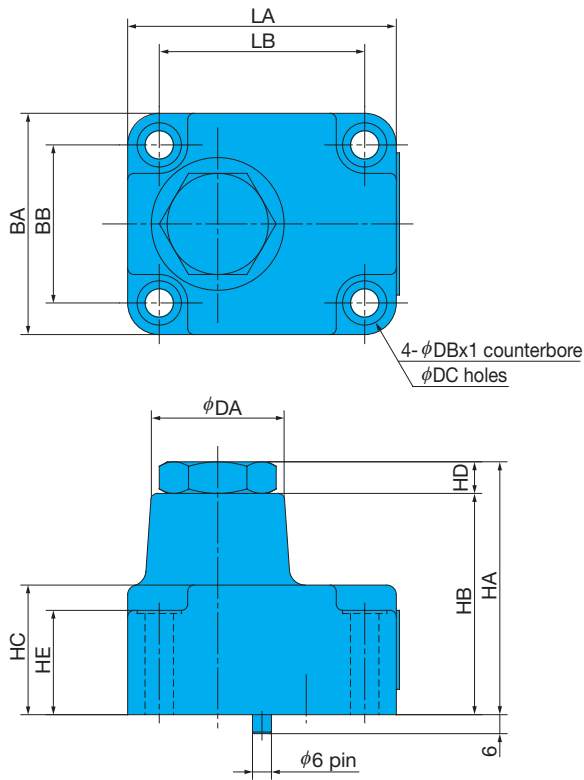
## CA-T\*\*-20 (Screw Mounting)



Model No.	LA	HA	HB	HC	HD	DA	DB	Q
CA-T03-*-20	59	91	81	45	10	52	40	3/8
CA-T06-*-20	72	106	96	55	10	60	45	3/4
CA-T10-*-20	96	139	127	70	12	80	62	1¼

## CA-G\*\*-20 (Gasket Mounting)

Sub Plate  
MCA-03-20  
MCA-06-21  
MCA-10-20

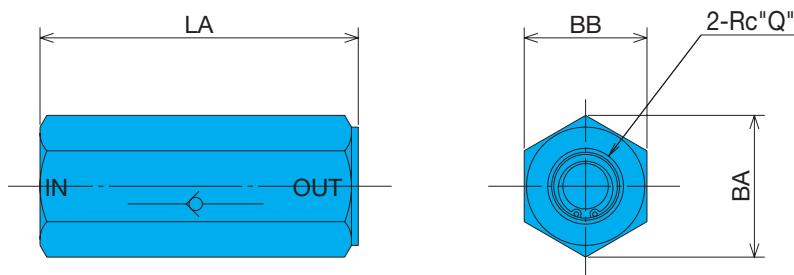


Note) External appearance of the sub-plate is slightly different from the drawing depending on the size.

DC	DD	DE	DF	Q	X
9	14.7	14	9	3/8	8
17	23	20	14	3/4	16
22	30	20	14	1¼	20

Model No.	LA	LB	LC	LD	LE	LF	LG	LH	BA	BB	BC	HA	HB	HC	HD	HE	HF	HG	DA	DB
CA-G03-*-20	86	65	46.5	32.5	18.5	10.5	105	125	71	50	25	80	70	41	10	33	28	19	42	14
CA-G06-*-20	117	81	68.2	40.5	22.2	18	140	172	101	65	32.5	98	88	58	10	43	31	19	52	26
CA-G10-*-20	133	92	71.4	46	20.6	20.5	152	187	133	92	46	119	107	65	12	46	40	28	68	32

## CN-T\*\*-11 (Screw Mounting)



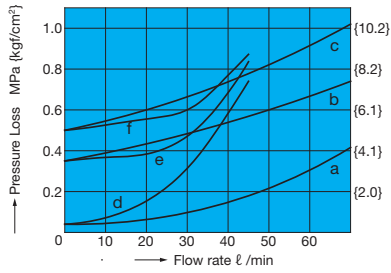
Model No.	LA	BA	BB	D
CN-T03-*-11	70	31.2	27	3/8
CN-T06-*-11	95	43.9	38	3/4
CN-T10-*-11	130	69.3	60	1¼

## Performance Curves

Hydraulic Operating Fluid Kinematic Viscosity 32mm<sup>2</sup>/s

### Pressure Loss Characteristics

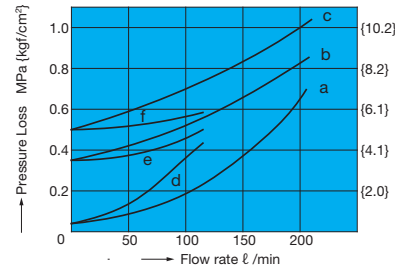
CA-\*03 CN-T03



#### Applicable Valve Type

- a. CA-\*03-1-20
- b. CA-\*03-2-20
- c. CA-\*03-3-20
- d. CN-T03-1-11
- e. CN-T03-2-11
- f. CN-T03-3-11

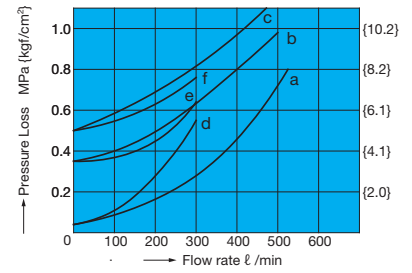
CA-\*06 CN-T06



#### Applicable Valve Type

- a. CA-\*06-1-20
- b. CA-\*06-2-20
- c. CA-\*06-3-20
- d. CN-T06-1-11
- e. CN-T06-2-11
- f. CN-T06-3-11

CA-\*10 CN-T10

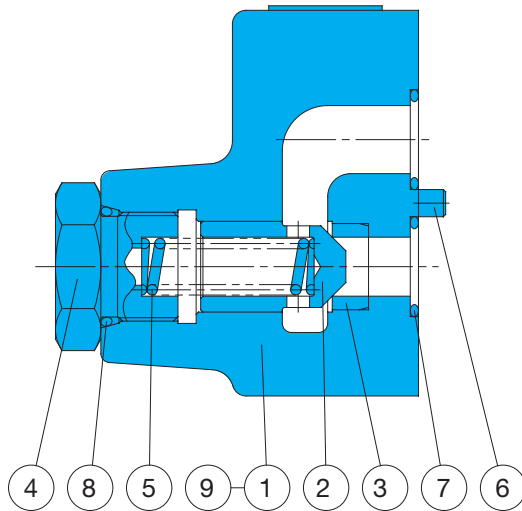


#### Applicable Valve Type

- a. CA-\*10-1-20
- b. CA-\*10-2-20
- c. CA-\*10-3-20
- d. CN-T10-1-11
- e. CN-T10-2-11
- f. CN-T10-3-11

## Cross-sectional Drawing

CA-G\*\*-\*-20



Part No.	Part Name
1	Body
2	Poppet
3	Seat
4	Plug
5	Spring
6	Pin
7	O-ring
8	O-ring
9	Nameplate

#### Seal Part List (Kit Model Number DAS-\*\*\*)

Part No.	Part Name	Type/Part Number			Q'ty
		CA-G03	CA-G06	CA-G10	
7	O-ring	NBR-90 P18	NBR-90 G30	NBR-90 G40	2
8	O-ring	NBR-90 P22	NBR-90 P30	NBR-90 P42	1

Note) The materials and hardness of the O-ring conforms with JIS B2401.

\*\*\* in the kit number is used for specification of the valve size (G03, G06, G10, etc.)