

Right Angle Check Valve In-line Check Valve

320 ℓ /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 ² }	Maximum Flow Rate ℓ /min	Cracking Pressure MPa{kgf/cm ² }	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

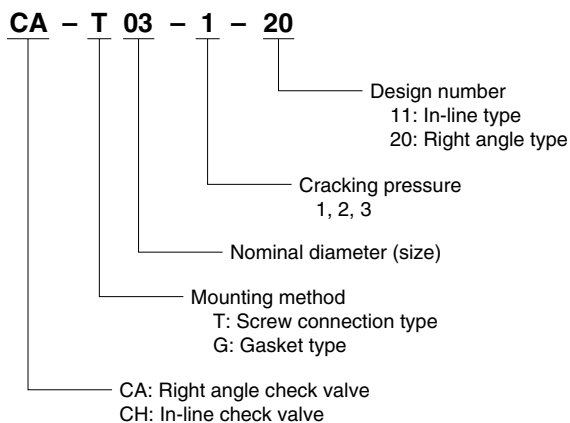
- ① Use the following table for specification when a sub plate is required.
- ② The following are the bundled mounting bolts.

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 × 45 ℓ	4	20 to 25{ 205 to 255}
CA-G06-*-20	M16 × 65 ℓ	4	190 to 235{1940 to 2400}
CA-G10-*-20	M20 × 75 ℓ	4	370 to 460{3770 to 4690}

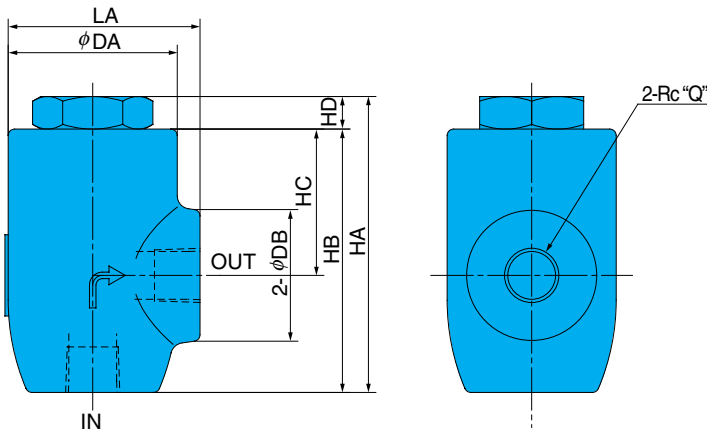
Note) For mounting bolts, use 12T or equivalent.

Understanding Model Numbers



Installation Dimension Drawings

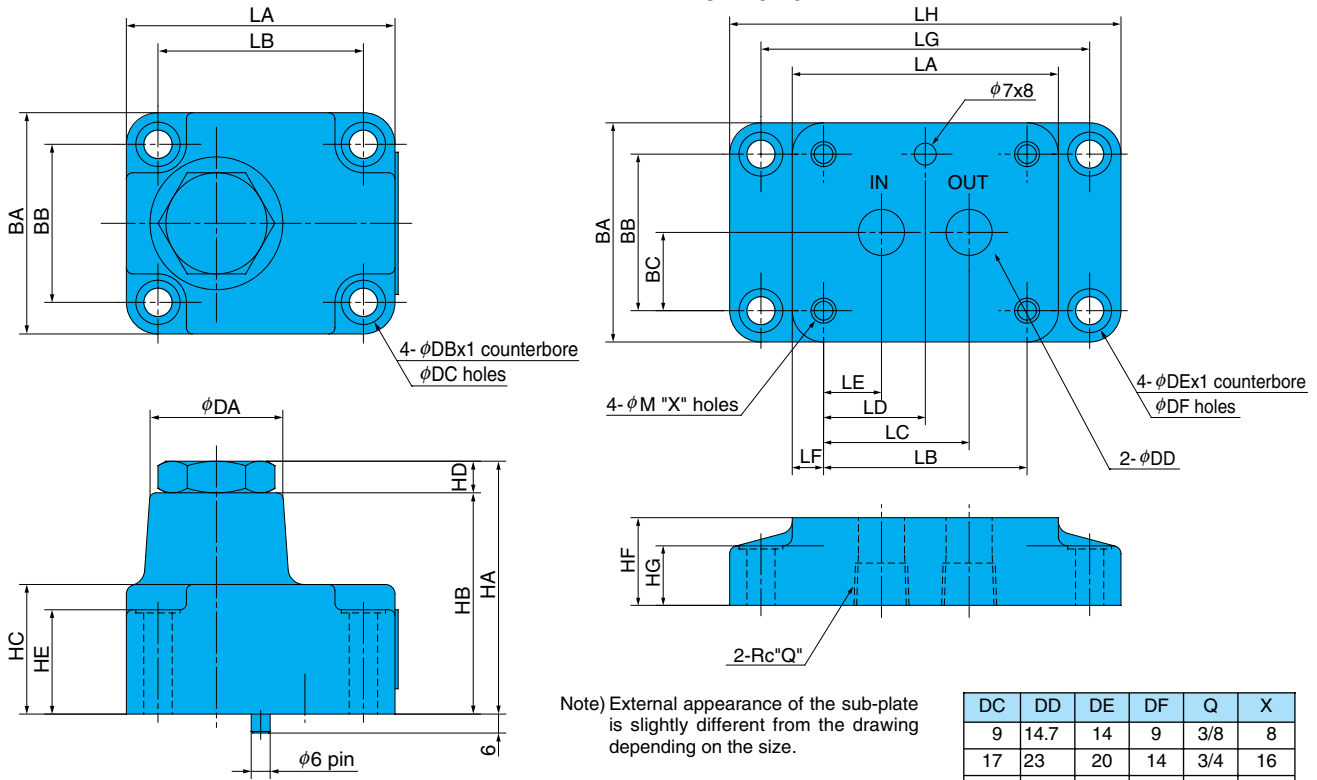
CA-T**-20(Screw Mounting)



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	1 1/4

CA-G**-20(Gasket Mounting)

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

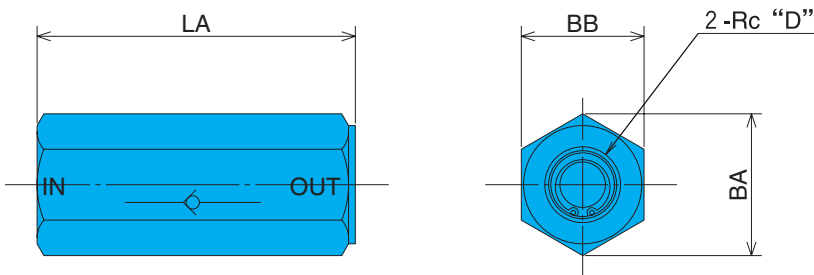


Note) External appearance of the sub-plate is slightly different from the drawing depending on the size.

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	1 1/4	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	1 1/4

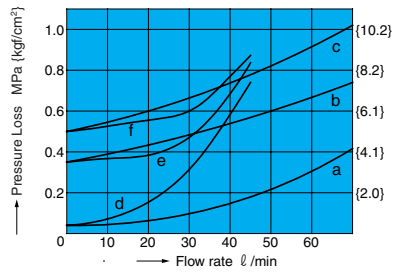


Performance Curves

Hydraulic Operating Fluid Viscosity 32mm²/s

Pressure Loss Characteristics

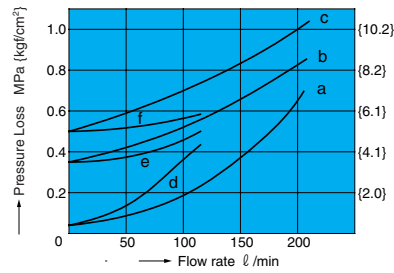
CA-*03 CN-T03



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

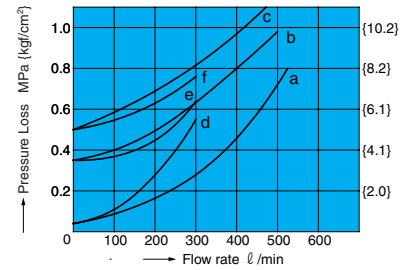
CA-*06 CN-T06



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

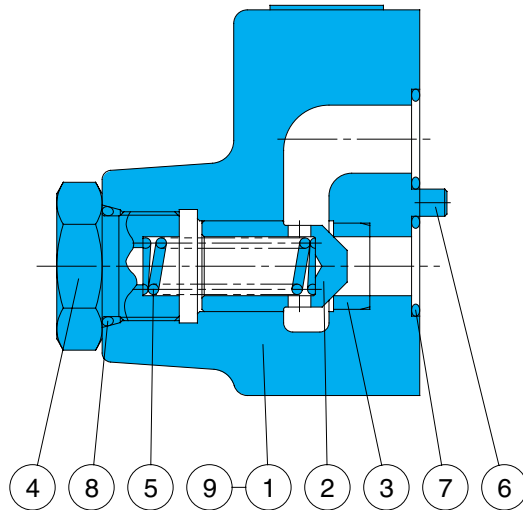


Applicable Valve Type

- 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	1B-P18	1B-G30	1B-G40	2
8	O-ring	1B-P22	1B-P30	1B-P42	1

Note) O-ring 1B-** refers to JIS B2401-1B-**.

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