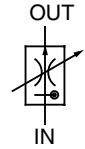




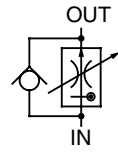
FT-G0*-**-22



FT Type Flow Control (and Check) Valve (With Pressure and Temperature Compensation)

**0.05 to 106 ℓ /min
21MPa**

CFT-G02*-**-22



Features

- ① Pressure compensation and temperature compensation mechanisms provide a stable control flow rate, even when fluid temperature fluctuates.
- ② A wider control flow rate range as well as easier minute flow rate adjustability than previous products.

Specifications

Model No.	Nominal Diameter (Size)	Volume control flow rate ℓ /min	Maximum Working Pressure MPa(kgf/cm ²)	Reverse Flow Rate ℓ /min	Cracking pressure MPa(kgf/cm ²)	Weight kg	Gasket Surface Dimensions
(C)FT-G02-8-22 30-22	1/4	0.05 to 8 0.1 to 30	21{214}	50	0.1{1.0}	3.7	ISO 6263-AK-06-2-A
FT-G03-42-22 106-22	3/8	0.1 to 42 0.2 to 106		*120		7.9	ISO 6263-AM-07-2-A

Asterisk (*) indicates values for auxiliary plate with check valve.

● Handling

- ① In the temperature range of 20°C to 60°C, flow rate fluctuation is within ±5% of the standard flow rate at 40°C.
- ② In the pressure range of 1.0 to 21MPa {10.2 to 214kgf/cm²}, flow rate fluctuation is within ±5% of the setting flow rate.
- ③ Note that flow rate fluctuation exceeds the rated fluctuation amount slightly in the vicinity of the minimum control flow rate, due to changes in operating temperature and hydraulic fluid viscosity.
- ④ When controlling flow rates that are less than 0.2 ℓ /min, use with a filter that does not exceed 10μm.
- ⑤ For flow rate control, make sure that the pressure differential between the input port and output port is at least 1MPa {10.2kgf/cm²}.
- ⑥ The control flow rate is increased by clockwise (rightward) rotation of the control handle.

⑦ See the table below for installation hex socket bolts.

⑧ Use the following table for specification when a sub plate is required.

● Sub Plate and Auxiliary Plate Application Table

Name	Model No.	Pipe Diameter	Recommended Flow Rate ℓ /min	Weight kg	Applicable Valve Type	Use With Sub Plate		
Sub Plate	MF-02X-10	3/8	30	2.2	(C)FT-G02*-**-22	-		
	MF-02Y-20	1/2	50					
Sub Plate	MF-03-10	3/8	42	3.3	FT-G03*-**-22	-		
	MF-03Y-20	3/4	75					
	MF-03Z-20	1	120				4.7	
Sub Plate with Check Valve	MF-03Y-C-22	3/4	75	5.7				
	MF-03Z-C-22	1	120	5.6				
Auxiliary Plate A with Check Valve	MCF-03-A-22	φ23	120	3.2				MF-03*-**

⑨ Though FT-G03 does not have a built-in check valve, a sub plate with check valve and auxiliary plate with check valve is used

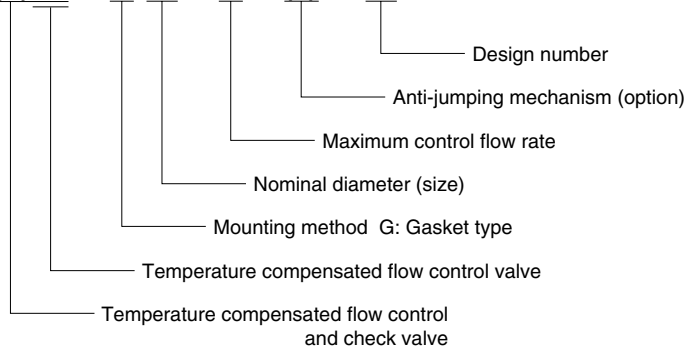
in addition to the normal sub-plate. (Use the auxiliary plate in combination with the sub plate.)

Applicable Model	Bolt Size	Q'ty	Tightening Torque N·m(kgf·cm)
(G)FT-G02*-**-22	M8 × 55 ℓ	4	20 to 25(205 to 255)
FT-G03*-**-22	M10 × 75 ℓ	4	45 to 55(460 to 560)
With FT-G03 Auxiliary Plate	M10 × 110 ℓ	4	45 to 55(460 to 560)

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

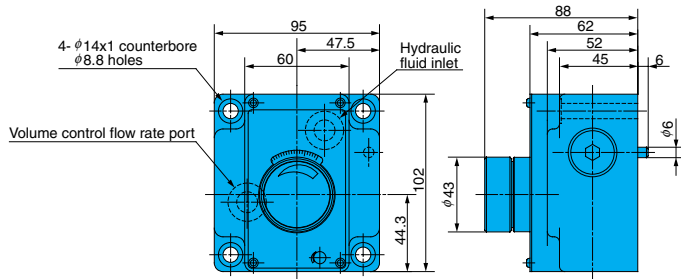
Understanding Model Numbers

(C) FT - G 02 - 8 - (F) - 22

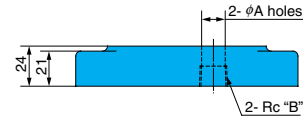
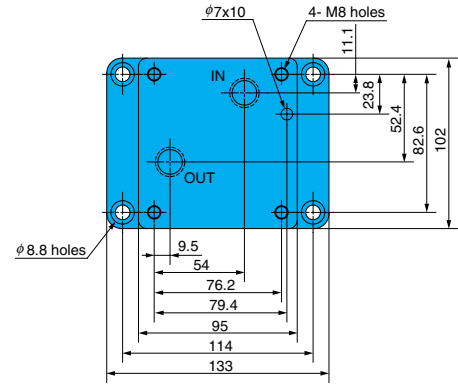


Installation Dimension Drawings

(C)FT-G02-**-22

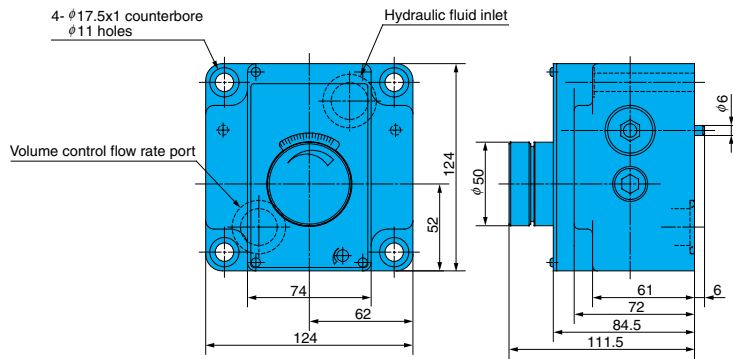


Sub Plate MF-02*-*



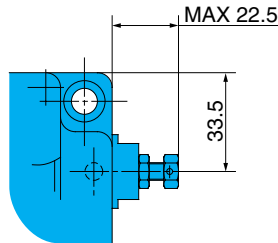
Sub Plate	A	B
MF-02X-10	14.7	3/8
MF-02Y-20	17	1/2

FT-G03-***-22

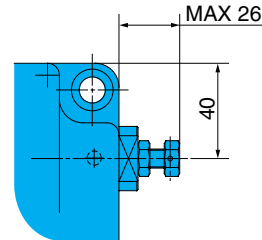


Anti-jumping mechanism

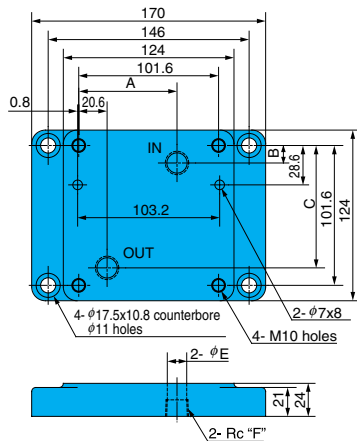
(C)FT-G02-*-F-22



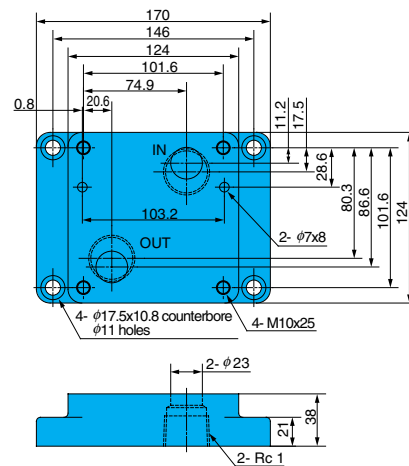
(C)FT-G03-**-F-22



Sub Plate MF-03-10
MF-03Y-20



MF-03Z-20



Sub Plate	A	B	C	E	F
MF-03-10	71.4	12.7	88.9	14.7	3/8
MF-03Y-20	74.9	11.2	86.6	23.0	3/4

