

For Low Pressure

# Flow Meter

Flow meter with special valve for mold cooling line

Working pressure



Applicable fluids

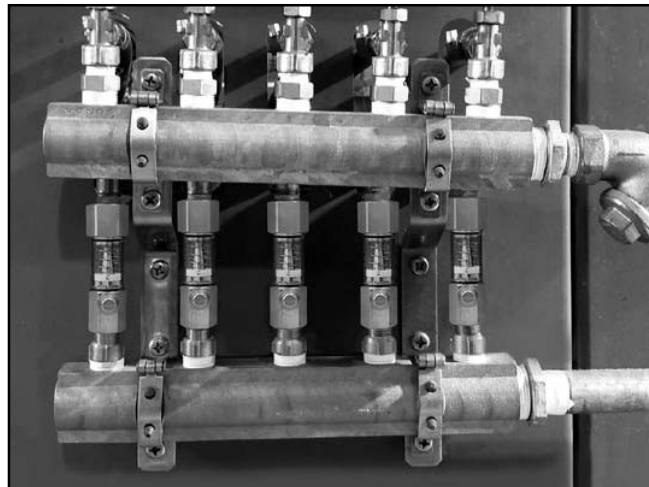


## For even coolant flow and reproducing prescribed flow rate.

- Graduated scale enables visual check of coolant flow rate, so as not to vary cooling conditions by any operator.
- Built-in flow rate adjustment valve enables desired setting of mold conditions for each machine.
- Easy resumable previous molding conditions cuts lead time.
- T2 side is equipped with rotary function. Even after fixing the body on T1 side to the piping, additional screw tightening on T2 side is possible. (FM-03B)
- Maintenance is extremely simple.



### Application Example



### Specifications

Body material	Body: Brass Graduated tube: Polycarbonate			
Size	Both ends Rc3/8 female thread			
Working pressure MPa (kgf/cm <sup>2</sup> )	0.5 {5}			
Pressure resistance MPa (kgf/cm <sup>2</sup> )	0.8 {8}			
Max. flow rate ℓ/min	18 ℓ/min (0 to 18 ℓ/min adjustable)			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Nitrile rubber	NBR (SG)	+10°C~+60°C	Standard material

• Plastic float limits the water temperature to +10°C ~ +60°C range.

### Max. Tightening Torque

N·m (kgf·cm)

Size	3/8"
Torque	11 {112}

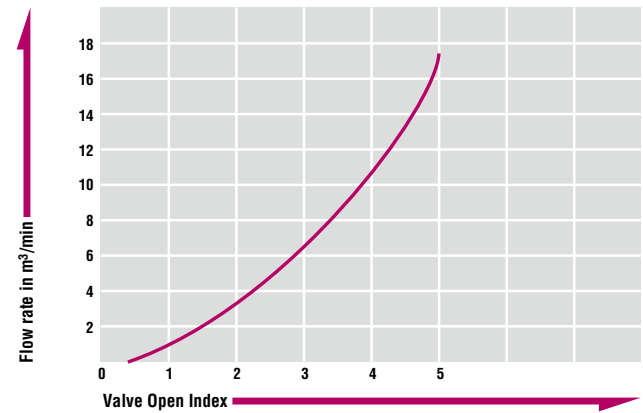
### Flow Direction

Fluid must flow in the direction of the arrows.



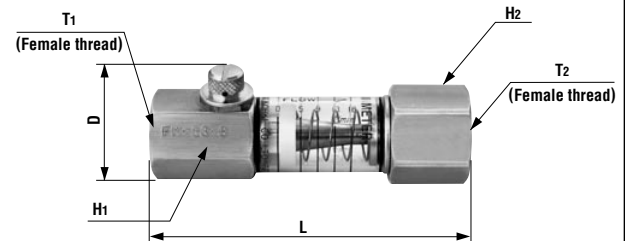
### Pressure - Flow Characteristics

[Test conditions] • Fluid : Air • Temperature : Room temperature • Inlet pressure : 0.3MPa {3kgf/cm<sup>2</sup>}



### Models and Dimensions

WAF : WAF stands for width across flat.



Model	Mass (g)	Dimensions (mm)					
		L	D	H1(WAF)	H2(WAF)	T1	T2
FM-03-B	190	(89)	(33)	Hex.23	Hex.26	Rc 3/8	Rc 3/8

Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products.