



MGA Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

■ FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Easy to measure flow rates at low flow rates.
- Can be used for high temperature and pressure fluids and their piping conditions
- Alarm and valve function (option)

■ APPLICATIONS

- ▶ Chemical and Other Process Industries
 - Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
 - Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
 - Condensate and Cooling Water
- ▶ Refinery & Gas Industry
 - Nitrogen, Flue Gas, etc.
- ▶ Machinery and Equipment (OEM Industry)
 - Coolant, lubricant, Air Supply
- ▶ Water Industry
 - Spray Oxygen on the Aeration Basin
 - Air injection to reduce iron content
- ▶ Power Plants and Nuclear Power Industry

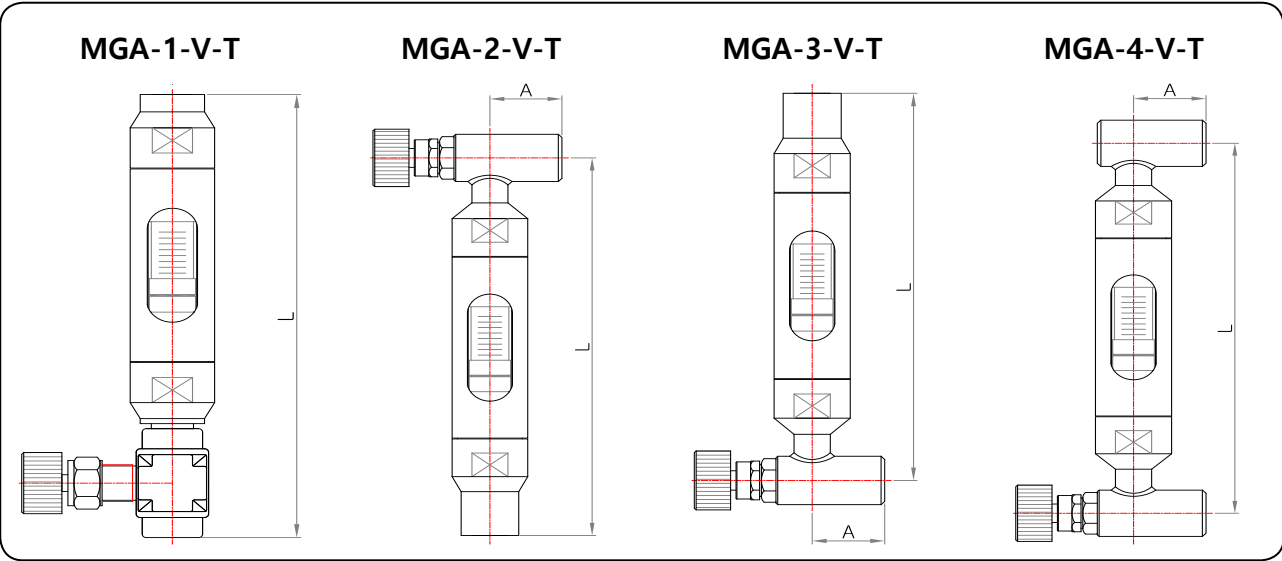
MGA Series General Specifications

Size	10A(3/8") ~ 20A(3/4")
Process Connection	KS/JIS/ASME/DIN Std Flange or Screw
Flow Ranges	Water - 0 L/h ~ 3,000 L/h Air - 30 NL/h ~ 30,000 NL/h
Range Ability	10 : 1
Accuracy	±3.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 80 °C (Option 350 °C)
Max. Pressure	Max. 30 kgf/cm².G (Option 120 kgf/cm².G)

MODEL CODE

M G A	-	□	-	□	-	□	Specification
		1					Bottom to Top
		2					Bottom to Top side
		3					Bottom side to Top
		4					Bottom side to Top side
				A			Alarm Switch
				V			Valve
						T	End Connection : Screw
						F	End Connection : Flange

DRAWING



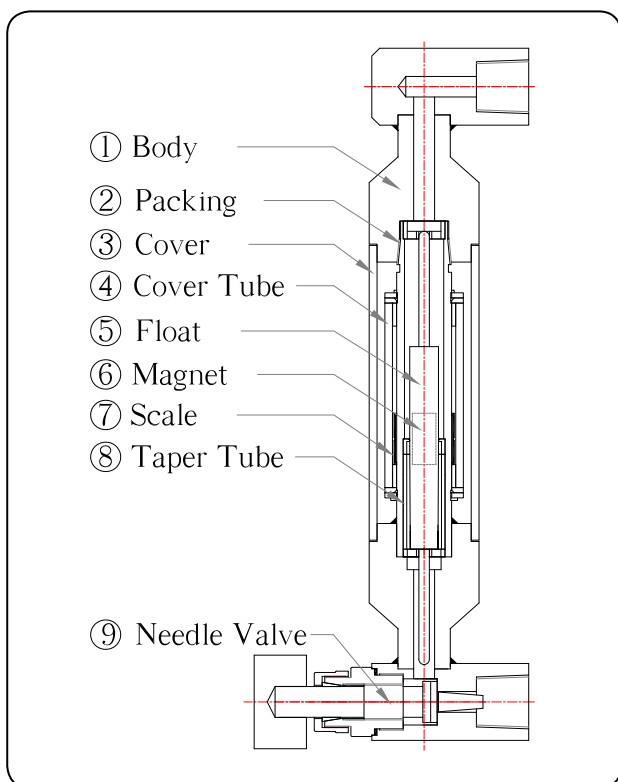
FLOW RANGES

구분	Water (L/h)	Air (NL/h)
Standard Flow range	0 ~ 2000	300 ~ 30000
Special Flow range	Max. 3000	Max. 60 Nm ³ /h

DIMENSIONS

Size	Normal	Valve Type (Screw)								Valve Type (Flange)							
	MGA-1	MGA-1-V-T	MGA-2-V-T		MGA-3-V-T		MGA-4-V-T		MGA-1-V-F	MGA-2-V-F		MGA-3-V-F		MGA-4-V-F			
	L (mm)	L	L	A	L	A	L	A	L	L	A	L	A	L	A		
PT 3/8 B	150	230	230	45	230	45	240	45	230	230	75	230	75	240	75		
PT 1/2 B	150	230	230	45	230	45	240	45	230	230	75	230	75	240	75		
PT 3/4 B	150	230	230	45	230	45	240	45	230	230	75	230	75	240	75		
PT 1 B	150	230	230	45	230	45	240	45	230	230	75	230	75	240	75		

STRUCTURAL DRAWING



STANDARD MATERIAL

No.	Description	Material	
1	Body	304SS	316SS
2	Packing	NBR, PTFE	
3	Cover holder	ALUMINUM	
4	Cover tube	GLASS	
5	Float	304SS	316SS
6	magnet	ALNICO	
7	Scale	SS400	
8	Taper tube	304SS	316SS
9	Needle valve	304SS	316SS