



MGIJ Series

Metal Tube Flow meter
for Maintain Temperature

■ FEATURE

- Can keep the fluid temperature constant
- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be freely designed as front end/rear end depending on piping condition
- Manufactured from small to large diameter

■ 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

MGIJ Series General Specifications

Size	10A(3/8") ~ 200A(8")
Process Connection	KS/JIS/ASME/DIN Std.
Flow Ranges	Water - 0.02 m ³ /h ~ 200 m ³ /h Air - 0.6 Nm ³ /h ~ 3000 Nm ³ /h
Range Ability	10 : 1
Accuracy	±2.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 250 °C
Max. Pressure	Max. 10 kgf/cm ² .G (Option 60 kgf/cm ² .G)
Display	Needle Type Gradation

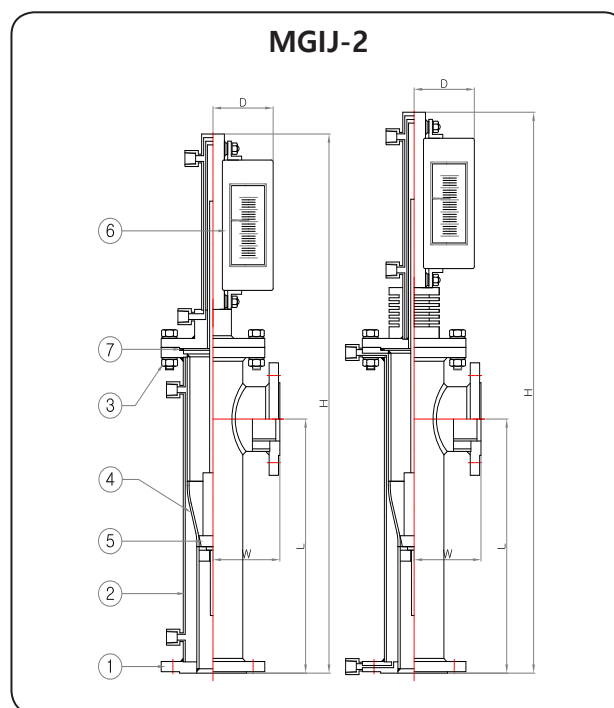
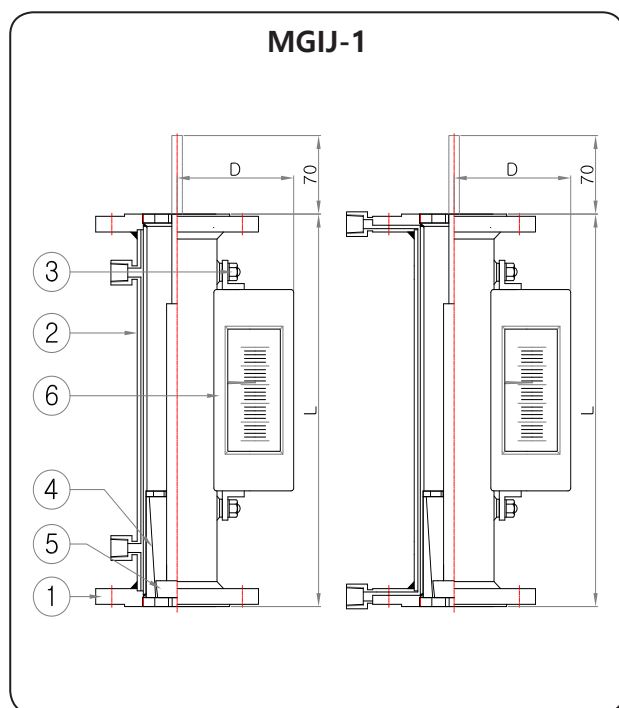
MODEL CODE

M G I J	-	□	-	□	-	□	Specification
		1					Bottom to Top
		2					Bottom to Top side
				A			Alarm Switch
				S			DC 4-20 mA
						J	Heating jacket

STANDARD MATERIAL

No.	Description	Material	
		A	B
1	Flange	304SS	316SS(L)
2	Body		
3	Bolt, Nut		
4	Taper tube		
5	Float		
6	Indicator	ALUMINUM	
7	Gasket	NON-ASBESTOS, PTFE	

STRUCTURAL DRAWING



FLOW RANGE & DIMENSIONS

Connector size		MGIJ-1					MGIJ-2							Flow range	
		L (mm)	D (mm)	Pressure Loss (mmAq)		Weight (kg)	L (mm)	W (mm)	H (mm)	D (mm)	Pressure Loss (mmAq)		Weight (kg)	Water (m³/h)	Air (Nm³/h)
				Water	Air	Metal					Water	Air	Metal		
15A	1/2 B	350	85	650	1000	6	250	80	518	90	850	280	12	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	350	90	600	1000	6	250	80	540	90	910	400	12	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	350	95	730	1100	7	300	100	610	90	600	270	15	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	360	98	800	1000	8	300	100	625	90	600	270	16	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	360	105	900	1200	10	350	100	700	90	500	290	18	0.2-2 1.5-15	4-40 20-200
50A	2 B	360	112	630	1000	12	350	120	720	90	800	340	22	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	450	118	780	1650	16	400	150	810	90	650	260	30	0.8-8 4-40	10-100 60-600
80A	3 B	450	130	910	2300	18	400	150	850	90	1270	400	35	1.2-12 5-50	12-120 80-800
100A	4 B	450	143	1200	2400	25	450	180	955	90	1360	550	58	2.5-25 9-90	25-250 120-1200
125A	5 B	500	156	1400	2000	38	450	220	1025	90	1600	580	72	4-40 15-150	40-400 200-2000
150A	6 B	500	182	1800	2200	60	500	240	1150	90	2100	560	95	6-60 20-200	60-600 300-3000