



SG-50 Series

Sight glass for Easy flow checking & Available anywhere

■ FEATURE

- Flow rate measurement section and indicator are separated for easy flow rate observation
- Needle indication type by magnetic coupling method
- Suitable for opaque liquids and sludge fluids
- Micro Switch (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.
- ▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content
- ▶ Shipbuilding and Ship
- Ballaster water

SG-50 Series General Specifications

Size	15A(1/2") ~ 300A(12")
Process Connection	KS/JIS/ASME/DIN Std Flange or Screw
Measure Fluid	Gas, Liquid, Steam
Flow Ranges	Liquid - 0.4 m³/h ~ 600 m³/h Air - 30 Nm³/h ~ 15,000 Nm³/h Steam - 50 kg/h ~ 4,500 kg/h
Range Ability	5 : 1 (Option 10 : 1)
Fluid Temperature	Max. 80 °C (Option 200 °C)
Max. Pressure	Max. 10 kgf/㎠.G (Option 20 kgf/㎠.G)
Accuracy	±5.0 % F.S (Option ±3.0 % F.S)

MODEL CODE

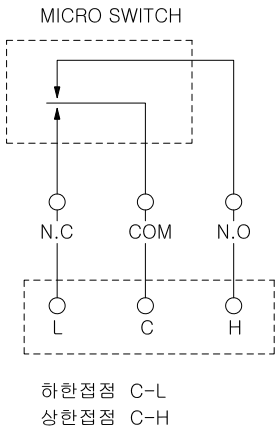
S G - 5 0	□	-	□	Specification
	1			Indicator
	2			Indicator & Contact 1p
			1	Bottom to Top
			2	Top to Bottom
			3	Left to Right
			4	Right to Left

STANDARD MATERIAL

No.	Description	Material		
		A	B	C
1	Body	SS400	304SS	316SS
2	Flange			
3	Gasket	NBR, PTFE		
4	Axis	304SS, 316SS		
5	Flapper			
6	indicator	ALUMINUM		
7	Cover	ALUMINUM		
8	Terminal Cover	ALUMINUM		

MICRO SWITCH

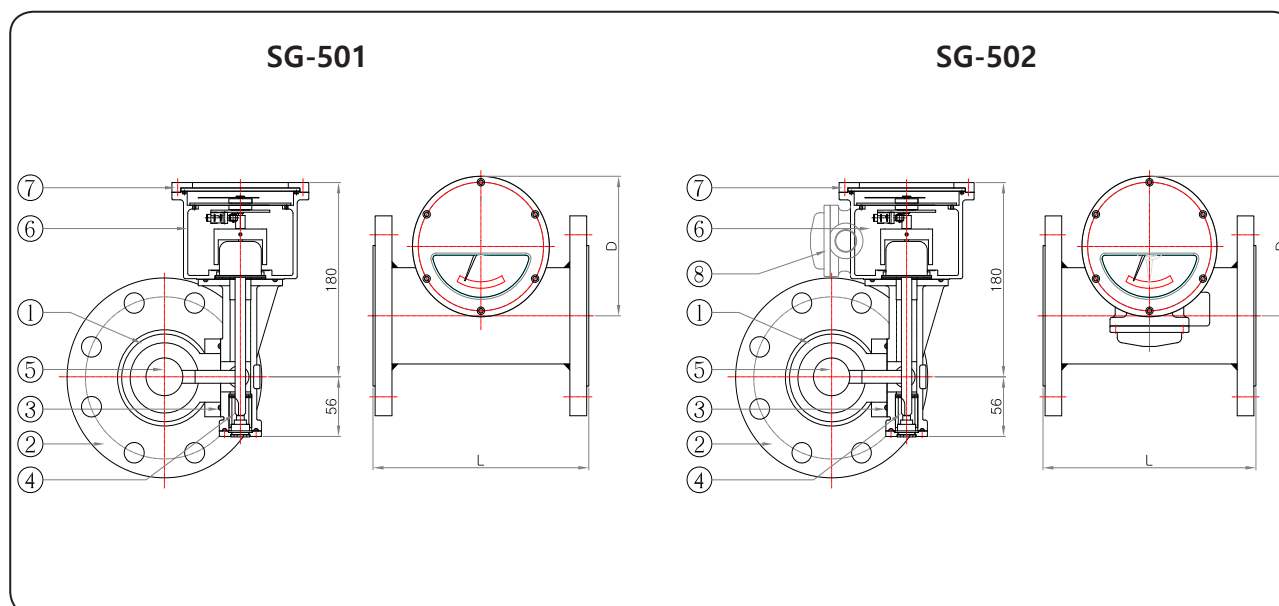
SG-502



- COM-COMMON (공통단자)
- N.C - NORMAL CLOSE (상시폐로)
- N.O - NORMAL OPEN (상시개로)

전기적 사양 : 5 A - 1/6 HP - AC 125 V or 250 V
0.5 A - DC 125 V
0.25 A - DC 250 V

STRUCTURAL DRAWING



FLOW RANGES & DIMENSIONS

Connection Size		Flow range			Length(mm)	
		Water (m ³ /h)	Air (Nm ³ /h)	Steam (kg/h)	D	L
15A	1/2 B	0.4 – 2	30 - 60	50 - 100	135	220
20A	3/4 B	0.4 – 2	30 - 60	50 - 100	135	220
25A	1 B	1 – 5	60 - 150	50 - 200	135	220
32A	1-1/4 B	1 - 5	60 - 150	50 - 200	135	220
40A	1-1/2 B	2 – 10	80 - 300	100 - 400	135	220
50A	2 B	3 – 15	100 - 450	100 - 600	135	220
65A	2-1/2 B	6 – 30	300 - 900	400 - 1200	135	260
80A	3 B	8 – 40	600 - 1200	500 - 2000	196	300
100A	4 B	16 – 80	900 - 2000	1000 - 3500	196	330
125A	5 B	20 – 100	1000 - 3000	1000 - 4500	310	380
150A	6 B	30 – 150	1200 - 4500	-	310	480
200A	8 B	50 – 250	1500 - 9000	-	310	650
250A	10 B	80 – 400	3000 - 12000	-	310	680
300A	12 B	100 - 600	4500 - 15000	-	310	720