



SG-30 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
- Reed 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-30 Series General Specifications

Size	10A(3/8") ~ 300A(12")
Process Connection	KS/JIS/ASME/DIN Std. Flange
Measure Fluid	Gas, Liquid, Steam
Flow Ranges	Liquid - 0.4 m³/h ~ 600 m³/h Air - 30 Nm³/h ~ 15000 Nm³/h
Range Ability	5 : 1
Fluid Temperature	Max. 80 °C (Option 200 °C)
Max. Pressure	Max. 15 kgf/cm².G (Option 30 kgf/cm².G)
Accuracy	±5.0 % F.S

MODEL CODE

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

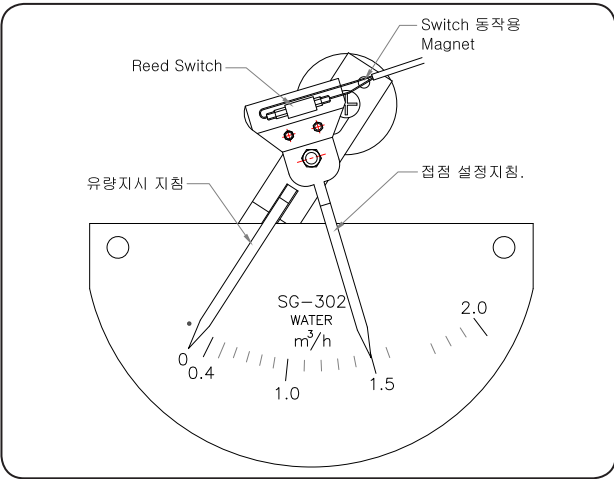
STANDARD MATERIAL

No.	Description	Material		
		A	B	C
1	Body	SS400	304SS	316SS
2	Flange			
3	Gasket	NBR, PTFE		
4	Axis	304SS / 316SS		
5	Spring			
6	Flapper			
7	Ball bearing	401SS		
8	Terminal Board	ADC 12		
9	Bolt / Nut	SS400	304SS	

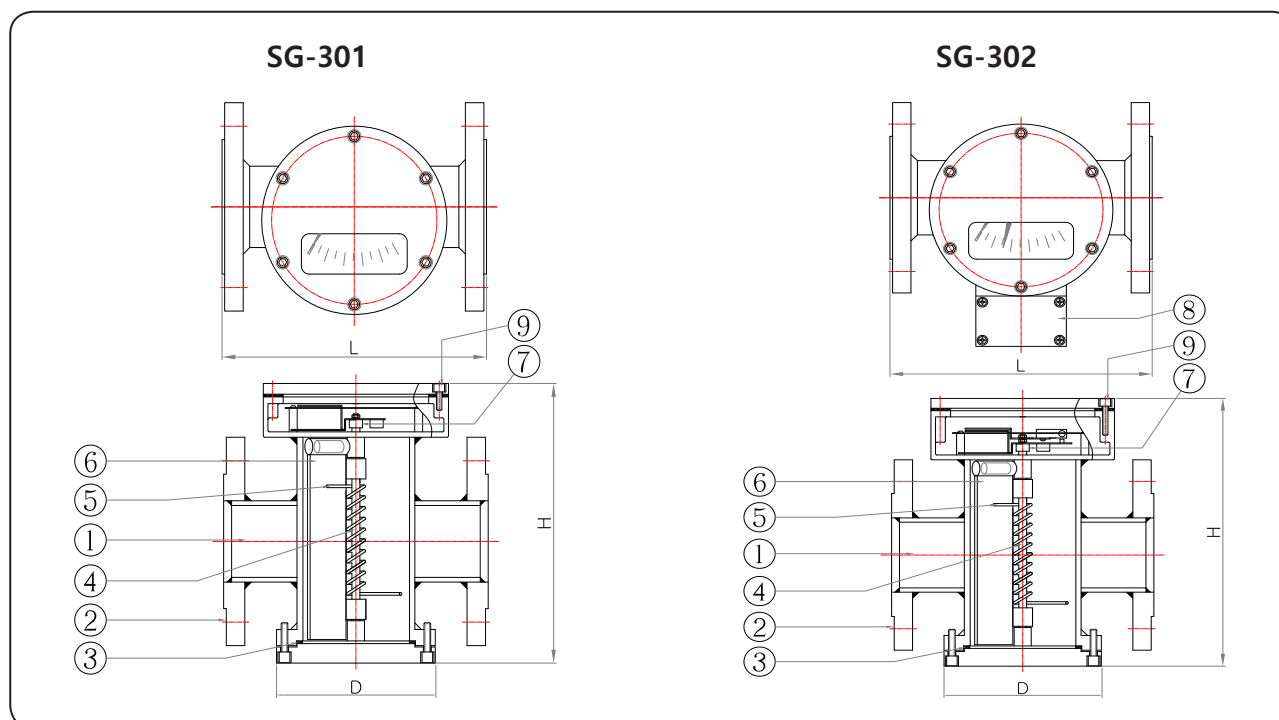
ELECTRIC CONTACT

- It is switched by the approach of a small permanent magnet that changes in accordance with the instructions for a Reed switch fixed at the set flow rate. When the flow guidance is at the setting instructions, the contact is turned on or off.

- Power
 - AC 220 V 0.5 A
 - AC 110 V 0.3 A
 - DC 24 V 1.0 A
- Type of contact
 - Below Set Point On or Upper On.
- On – Off
 - 3 % of Full scale
- Number of contact
 - Upper limit, lower limit 1 contact



STRUCTURAL DRAWING



FLOW RANGES & DIMENSIONS

Connection Size		Flow range		Length (mm)		
		Water (m ³ /h)	Air (Nm ³ /h)	H	D	L
15A	1/2 B	0.4 - 2	30 - 60	116	135	220
20A	3/4 B	0.4 - 2	30 - 60	116	135	220
25A	1 B	1 - 5	60 - 150	128	135	220
32A	1-1/4 B	1 - 5	60 - 150	128	135	220
40A	1-1/2 B	2 - 10	80 - 300	136	135	220
50A	2 B	3 - 15	100 - 450	146	135	220
65A	2-1/2 B	6 - 30	300 - 900	158	135	260
80A	3 B	8 - 40	600 - 1200	182	196	300
100A	4 B	16 - 80	900 - 2000	252	196	330
125A	5 B	20 - 100	1000 - 3000	276	310	380
150A	6 B	30 - 150	1200 - 4500	372	310	480
200A	8 B	50 - 250	1500 - 9000	392	310	650
250A	10 B	80 - 400	3000 - 12000	422	310	680
300A	12 B	100 - 600	4500 - 15000	462	310	720