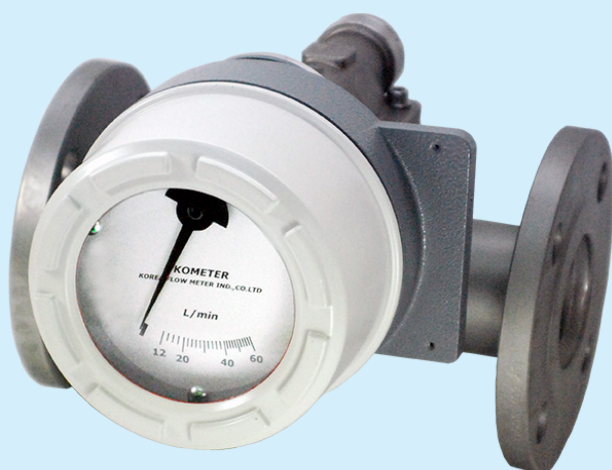




## SG-60 Series

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
- Instantaneous flow rate 4-20 mA output
- Can be controlled with a peripheral device such as a valve

### ■ 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

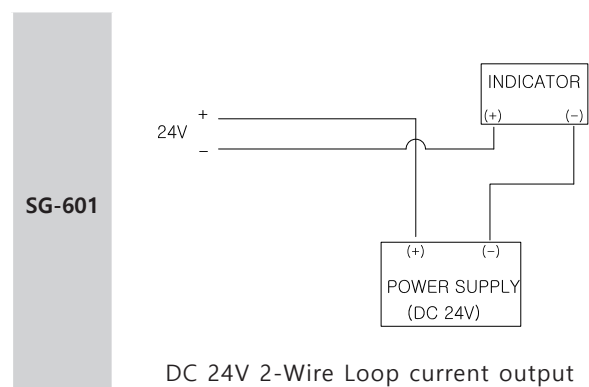
## SG-60 Series General Specifications

|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| 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 m <sup>3</sup> /h ~ 600 m <sup>3</sup> /h<br>Air - 30 Nm <sup>3</sup> /h ~ 15,000 Nm <sup>3</sup> /h |
| Range Ability      | 5 : 1 (Option 10 : 1)                                                                                             |
| Fluid Temperature  | Max. 80 °C (Option 200 °C)                                                                                        |
| Max. Pressure      | Max. 10 kgf/cm <sup>2</sup> .G (Option 20 kgf/cm <sup>2</sup> .G)                                                 |
| Power              | DC 24 V (2-Wire)                                                                                                  |
| Output             | DC 4-20 mA                                                                                                        |
| Accuracy           | ±5.0 % F.S (Option ±3.0 % F.S)                                                                                    |

## MODEL CODE

| S | G | - | 6 | 0 | 1 | □ | - | □ | Specification |
|---|---|---|---|---|---|---|---|---|---------------|
|   |   |   |   |   |   | S |   |   | DC 4-20 mA    |
|   |   |   |   |   |   |   |   | 1 | Bottom to Top |
|   |   |   |   |   |   |   |   | 2 | Top to Bottom |
|   |   |   |   |   |   |   |   | 3 | Left to Right |
|   |   |   |   |   |   |   |   | 4 | Right to Left |

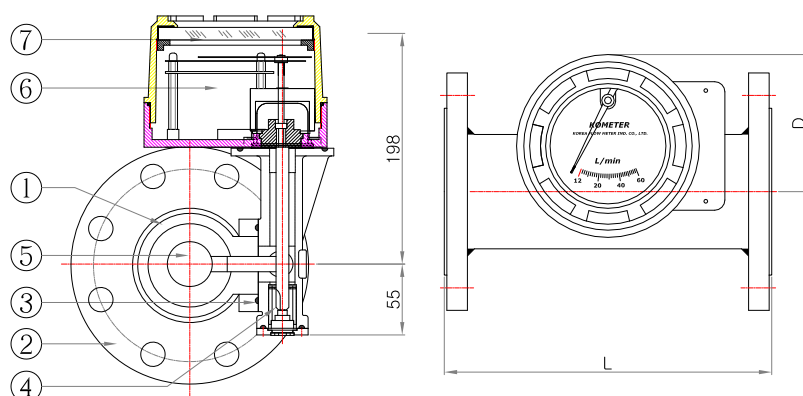
## WIRING



## 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     |       |       |

## STRUCTURAL DRAWING



## FLOW RANGES & DIMENSIONS

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