

SS FLOW_OVAL GEAR FLOWMETER



DESCRIPTION

SSFLOW positive displacement flow meter measures the flow on the volumetric principle, in which gearwheels are moved proportional to the flow rate. The movement of the gearwheels is measured through the enclosing housing wall by a sensor. Immune to medium viscosity. Higher turn down ratio, accuracy, resolution and responsibility, as well as for measuring the very-low flow. flow meters are bi-directional and give accurate measurement value in viscous liquid too. We have NPN / PNP output available with us. The Meter can be provided along with PESO / CMRI Certified Enclosure for Flameproof area.

KEY FEATURES

- High accuracy and repeatability
- No requirement for flow conditioning
- Suitable for High Viscous liquid
- Can be designed for high pressure

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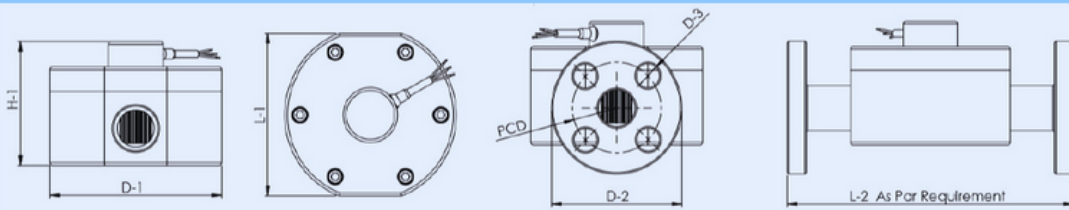
TECHNICAL SPECIFICATIONS

| | |
|-------------------------------------------------------------------|----------------------------------------------------------|
| Line Size | DN3 to DN80 |
| Body Moc | Alumunium Anodized / SS |
| Fluids | clean Oil / Viscous liquid |
| Flow Range | 0.5 LPH to 100000 LPH |
| Accuracy | 0.5% of Reading |
| Repeatability | 0.2% of Reading |
| Operating Temperature | -30°C to 80/150°C |
| Operating Pressure | Upto 16 kg/cm ² / Upto 100 Kg/cm ² |
| Ingress Protection | IP 54/65/67 |
| Display Mounting | Integral/Remote/Panel mounted |
| Display Type | LED / LCD / TFT Graphical Display |
| Power Supply | 110 to 240 V AC / 24 V DC |
| Measuring Unit | Multiple options available |
| Outputs | 4 to 20 mA / Relay |
| Enclosure Details | Flame Proof / Non - Flame Proof |
| Communication | RS485 Modbus RTU / HART |
| * Please consult factory for any kind of additional customisation | |



FLOW RANGE VRS LINE SIZE

| Meter Size Vrs Flow Range | | | |
|---------------------------|------|----------|------------------|
| SSFLOW-OGFM-003 | 3mm | 1/4" BSP | 0.5 – 35 L/H |
| SSFLOW-OGFM-006 | 6mm | 1/4" BSP | 5 - 150 L/H |
| SSFLOW-OGFM-009 | 9mm | 3/8" BSP | 15 - 300 L/H |
| SSFLOW-OGFM-013 | 13mm | 1/2" BSP | 100 - 1500 L/H |
| SSFLOW-OGFM-020 | 19mm | 3/4" BSP | 200 - 2200 L/H |
| SSFLOW-OGFM-025 | 25mm | 1" BSP | 500 -4000 L/H |
| SSFLOW-OGFM-040 | 40mm | 1 ½" BSP | 1000 - 10000 L/H |
| SSFLOW-OGFM-050 | 50mm | 2" BSP | 5000 – 20000 L/H |
| SSFLOW-OGFM-080 | 80mm | 3" BSP | 10000-100000 L/H |



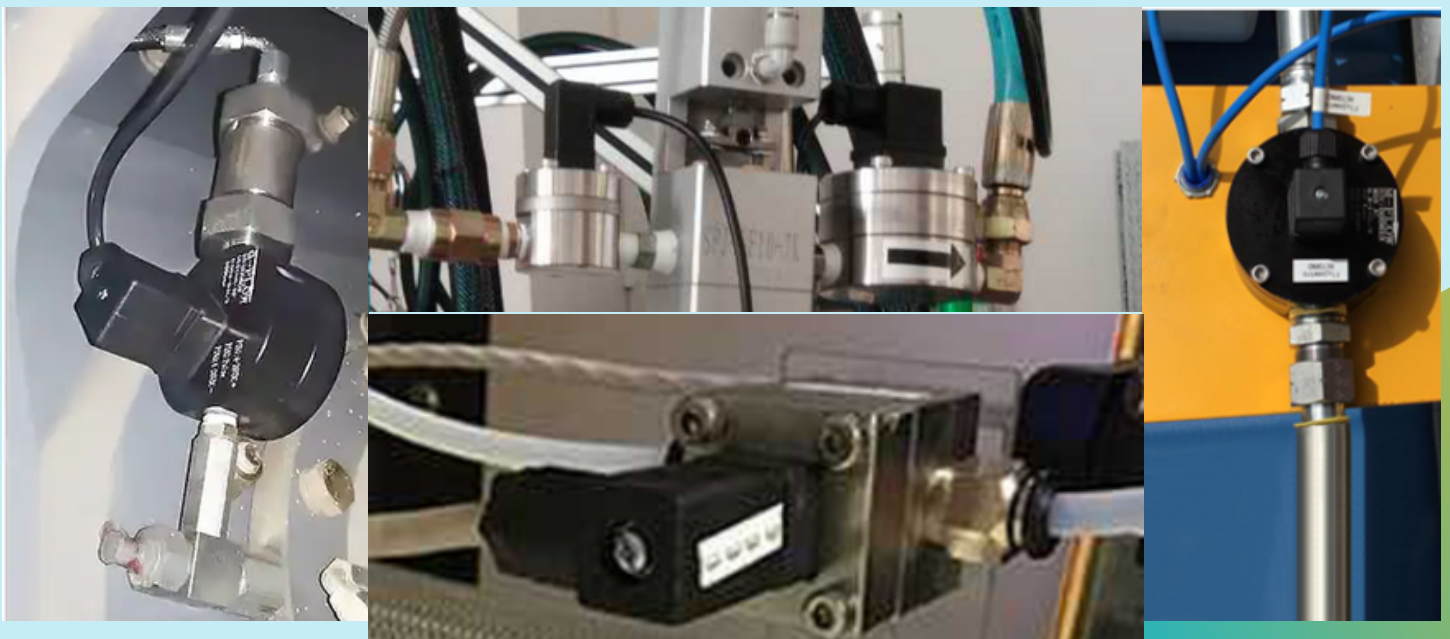
| PART NAME | H-1 | D-1 | L-1 | Thread | Class 150 Flange | D-2 | Hole | PCD |
|-----------------|-----|-----|-----|-----------|------------------|--------|---------|--------|
| SSFLOW-OGFM-003 | 57 | 63 | 59 | 1/4"BSP | 1/2" | 88.9 | 15.74X4 | 60.45 |
| SSFLOW-OGFM-006 | 57 | 63 | 59 | 1/4"BSP | 1/2" | 88.9 | 15.74X4 | 60.45 |
| SSFLOW-OGFM-009 | 60 | 67 | 61 | 3/8"BSP | 1/2" | 88.9 | 15.74X4 | 60.45 |
| SSFLOW-OGFM-013 | 66 | 86 | 81 | 1/2"BSP | 1/2" | 88.9 | 15.74X4 | 60.45 |
| SSFLOW-OGFM-020 | 73 | 97 | 91 | 3/4"BSP | 3/4" | 98.55 | 15.74X4 | 69.85 |
| SSFLOW-OGFM-025 | 83 | 117 | 109 | 1"BSP | 1" | 107.95 | 15.74X4 | 79.24 |
| SSFLOW-OGFM-040 | 103 | 195 | 183 | 1-1/2"BSP | 1-1/2" | 127 | 15.74X4 | 98.55 |
| SSFLOW-OGFM-050 | 128 | 195 | 183 | 2"BSP | 2" | 152.4 | 19.05X4 | 120.65 |
| SSFLOW-OGFM-080 | 159 | 240 | 220 | 3"BSP | 3" | 190.5 | 19.05X4 | 152.4 |

**BIDIRECTIONAL
FLOW
MEASUREMENT**

**HIGHLY
ACCURATE
AND
REPEATABLE**

**SUITABLE FOR
HIGHLY
VISCIOUS
LIQUID**

**NO STRAIGHT
RUN REQUIRED**



FEW INSTALLATION PICTURES

ORDERING INFORMATION

| SSFLOW_OGFM_Line Size | | | | |
|-----------------------|-----------------------|-------------------------------------------------------------------|------------------------|----------------------|
| Meter MOC | 1. Alumunium | | Output | 1. 4 to 20 mA |
| | 2. Stainless Steel | | | 2. Relay |
| Operating Temperature | 1. Upto 50 degree c | | | 3. Others |
| | 2. Upto 80 Degree C | | 1. RS485 Modbus RTU | |
| | 3 . Upto 150 Degree C | | | 2. HART |
| | 4. Please specify | | 1. IP 65 | |
| Operating Pressure | 1. Upto 16 bar | | | 2. IP 67 |
| | 2. Others | | 1. Flame Proof | |
| Display Type | 1. Integral | | | 2. Non - Flame Proof |
| | 2. Remote | | 1. Factory Certificate | |
| | 3. Field mounting | 2. Nabl Traceability | | |
| Power Supply | 1. 24 V DC | *Please consult our experts for any kind of further customisation | | |
| | 2. 240 V AC | | | |

Due to continuous developments, specifications are subject to change without prior notice

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SS FLOW
A NEVER ENDING JOURNEY