G SERIES SANITARY CLAMP (PRECISION TURBINE METERS)

The G Series High Precision Meter is the most accurate of all the FLOMEC® Turbine Meters:

FEATURES / BENEFITS

- Meter includes a traditional design
- Available in a variety of sizes

APPLICATIONS

- Fuel
- Batching
- Food & Beverage
- Petro Chemicals
- Pharmaceuticals
- Thin Viscosity Fluids Under 100 Centipoise
- Process Control
- Chemical Feed Lines
- Irrigation
- High Water Volume Mixing
- High Precision / High Pressure

PRODUCT CONFIGURATION

PRODUCT IDENTIFIER 1
G = G Series Precision Turbine Meter

FITTING TYPE 2
SC = Sanitary Clamp

SHAFT / SLEEVE BEARING / THRUST BEARING 3
P = Stainless Steel / PTFE / 440C Stainless Steel

TURBINE SIZE & FLOWRATE 4
-05175 = 1/2” Turbine, 3/4” Fitting, Low Flow
-05110 = 1/2” Turbine, 1” Fitting, Low Flow
-07515 = 3/4” Turbine, 1-1/2” Fitting, Standard
-075E15 = 3/4” Turbine, 1-1/2” Fitting, Ext-Range
-10015 = 1” Turbine, 1-1/2” Fitting, Standard
-15015 = 1-1/2” Turbine, 1-1/2” Fitting, Standard
-20020 = 2” Turbine, 2”. Fitting, Standard

SENSOR CHOICE 5
X = No Sensor - Turbine Body Only

ELECTRONIC CHOICE (LOCAL) 6
Turbine Mounted
-X = No Electronics - Turbine Body Only

----- G SC P -05175 X -X
SPECIFICATIONS

Design Type: Turbine
Fitting Type: Sanitary Clamp
Housing Material: 316 Stainless Steel

Meter Sizes Available:
- 1/2”
- 3/4”
- 1”
- 1-1/2”
- 2”

Meter ID:
- 1/2” --> 3/4” Fitting
- 1/2” --> 1” Fitting
- 3/4” --> 1-1/2” Fitting
- 1” --> 1-1/2” Fitting
- 1-1/2” --> 1-1/2” Fitting
- 2” --> 2” Fitting

Flow Range:
- 1/2” (051) 0.8 - 6 GPM (3.0 - 22 L/min)
- 3/4” (075) 1.6 - 16 GPM (6.0 - 60 L/min)
- 3/4” (075E) 2.3 - 23 GPM (8.7 - 87 L/min)
- 1” (100) 6.7 - 67 GPM (25 - 252 L/min)
- 1-1/2” (150) 17.7 - 177 GPM (67 - 670 L/min)
- 2” (200) 33 - 330 GPM (125 - 1250 L/min)

Accuracy (Linearity):
- ± 0.5%

Repeatability:
- ± 0.1%

Pressure Rating:
Limited by fitting size, clamp size and temperature.

Operating Temperature Range:
- -100° F to 225° F (-74° C to 107° C)

Typical K-Factor:
- 1/2” (050) 10,000 PPG (2642 Pulses/L)
- 1/2” (051) 10,000 PPG (2642 Pulses/L)
- 3/4” (075) 3,750 PPG (991 Pulses/L)
- 3/4” (075E) 2,608 PPG (689 Pulses/L)
- 1” (100) 896 PPG (237 Pulses/L)
- 1-1/2” (150) 340 PPG (90 Pulses/L)
- 2” (200) 181 PPG (48 Pulses/L)

Wetted Materials:
- Housing: 316 Stainless Steel
- Sleeve: PFTE
- Thrust Bearings: 440C Stainless Steel
- Shaft: 316 Stainless Steel
- Rotor: CD4MCu Stainless Steel
- Rotor Supports: 316 Stainless Steel
- Retaining Rings: 300 Series Stainless Steel

Recommended Strainer Size:
- 1/2” 40 mesh (420 μm)
- 3/4” 40 mesh (420 μm)
- 1” 40 mesh (420 μm)
- 1-1/2” 18 mesh (1000 μm)
- 2” 14 mesh (1410 μm)

Frequency Output:
- 1/2” (050) 100 - 1000 Hz
- 1/2” (051) 125 - 1000 Hz
- 3/4” (075) 100 - 1000 Hz
- 3/4” (075E) 100 - 1000 Hz
- 1” (100) 100 - 1000 Hz
- 1-1/2” (150) 100 - 1000 Hz
- 2” (200) 100 - 1000 Hz

Calibration Report:
- Comes standard with G Series meters.
- N.I.S.T. – Certification available.

DIMENSIONS

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>Length * (mm)</th>
<th>Height * (mm)</th>
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<tbody>
<tr>
<td>1/2”</td>
<td>2.75 (70)</td>
<td>1.63 (41)</td>
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<tr>
<td>3/4”</td>
<td>3.25 (82)</td>
<td>1.84 (47)</td>
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<tr>
<td>1”</td>
<td>3.56 (90)</td>
<td>1.84 (47)</td>
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<tr>
<td>1-1/2”</td>
<td>4.59 (116)</td>
<td>2.11 (53)</td>
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<tr>
<td>2”</td>
<td>6.06 (154)</td>
<td>2.39 (61)</td>
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GSCP-050 requires RF Pickup

ACCESSORIES / ELECTRONICS

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<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>80001101</td>
<td>Weather proof enclosure - Zinc</td>
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<tr>
<td>80001105</td>
<td>Weather proof enclosure - SS</td>
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<tr>
<td>F Series</td>
<td>Remote Electronics</td>
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<th>Part No.</th>
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<tr>
<td>145506-01</td>
<td>Kit, Adapter, G Series-QSI1-Q09 Display</td>
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<td>145506-02</td>
<td>Kit, Adapter, G Series-QSI2-Q09 Display</td>
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<td>145506-03</td>
<td>Kit, Adapter, G Series-QSI3-Q09 Display</td>
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<td>145506-04</td>
<td>Kit, Adapter, G Series-QSI1-No Display</td>
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<td>145506-05</td>
<td>Kit, Adapter, G Series-QSI2-No Display</td>
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<td>145506-06</td>
<td>Kit, Adapter, G Series-QSI3-No Display</td>
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Service & Warranty: For technical assistance, warranty replacement or repair contact your FLOMEC® or GPI® distributor. In North or South America: 888-996-3837 / FLOMEC.net
Outside North or South America: +61 2 9540 4433 / FLOMEC.net

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