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
- Low Profile option available

**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**
- G = G Series Precision Turbine Meter

**FITTING TYPE**
- SC = Sanitary Clamp

**SHAFT / SLEEVE BEARING / THRUST BEARING**
- PS = Stainless Steel / PEEK / PEEK

**TURBINE SIZE & FLOWRATE**
- -100 = 1” Turbine, 1-1/2” Clamp
- -100L = 1” Turbine, 1-1/2” Clamp, Low Profile Adapter
- -150 = 1-1/2” Turbine, 1-1/2” Clamp
- -150L = 1-1/2” Turbine, 1-1/2” Clamp, Low Profile Adapter
- -200 = 2” Turbine, 2” Clamp
- -200L = 2” Turbine, 2” Clamp, Low Profile Adapter

**APPROVALS**

GSCPS Meters carry a Sanitary Rating. Flowmeters for milk and milk products, Number 28-04. This meter meets the strict 3-A Sanitary Standards using the new “Third Party Verification” (TPV) program. Our methods of design, construction and traceability of components have been reviewed and approved.

The internals of this meter are machined or polished to meet 3-A self-draining and cleaning requirements (Ra 32). The GSCPS Meter meets Clean in Place (CIP), Steam in Place (SIP) and Clean Out of Place (COP) requirements.
**SPECIFICATIONS**

- **Design Type:** Turbine
- **Fitting Type:** Sanitary Clamp
- **Housing Material:** 316 Stainless Steel
- **Meter Sizes Available:**
  - For GSCPS: 1" • 1-1/2" • 2"
- **Meter ID:**
  - 1" $\rightarrow$ 1-1/2" Fitting
  - 1-1/2" $\rightarrow$ 1-1/2" Fitting
  - 2" $\rightarrow$ 2" Fitting
- **Flow Range:**
  - 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 (123 - 1250 L/min)
- **Accuracy (Linearity):** ± 0.5%
- **Repeatability:** ± 0.1%
- **Pressure Rating:** Limited by fitting size, clamp size and temperature.
- **Operating Temperature Range:**
  - For GSCPS: -100° F to 225° F (-74° C to 107° C)
  - For SIP (up to 1 hour): 285° F (140° C)
- **Typical K-Factor:**
  - 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
  - Bushings & Bearings: PEEK
  - Shaft: 316 Stainless Steel
  - Rotor: CD4MCu Stainless Steel
  - Rotor Supports: 316 Stainless Steel
  - Retaining Rings: 300 Series Stainless Steel
- **Recommended Strainer Size:**
  - 1" 40 mesh (420 μm)
  - 1-1/2" 18 mesh (1000 μm)
  - 2" 14 mesh (1410 μm)
- **Frequency Output:**
  - 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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<tr>
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<td>1.84 (47)</td>
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<td>1-1/2&quot;</td>
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**ACCESSORIES / ELECTRONICS**

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<th>Part No.</th>
<th>Description</th>
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<td>Weather proof enclosure - Zinc</td>
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<td>80001105</td>
<td>Weather proof enclosure - SS</td>
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<td>F018/F127/F130</td>
<td>Remote Electronics</td>
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<td>145506-01</td>
<td>Kit, Adapter, G Series-QSI1-Q09 Display</td>
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<td>145506-03</td>
<td>Kit, Adapter, G Series-QSI3-Q09 Display</td>
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**GSCPS STANDARD**

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<tr>
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<td>2&quot;</td>
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**GSCPS LOW PROFILE**

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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