



G SERIES ANSI FLANGE FITTING (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
- High Temperature model available

APPLICATIONS

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

PRODUCT CONFIGURATION

PRODUCT IDENTIFIER **1**

G = G Series Precision Turbine Meter

FITTING TYPE **2**

F = Flanged

SHAFT / SLEEVE BEARING / THRUST BEARING **3**

T = Tungsten Carbide / Tungsten Carbide / Tungsten Carbide
P = Stainless Steel / PTFE / Stainless Steel
 (No High Temp available)

TURBINE SIZE & FLOWRATE **4**

-075S = 3/4" Standard
-075H** = 3/4" High Temp - Turbine Body Only*
-075E = 3/4" Ext-Range
-75EH** = 3/4" Ext-Range High Temp - Turbine Body Only*
-100S = 1" Standard
-100H** = 1" High Temp - Turbine Body Only*
-150S = 1-1/2" Standard
-150H** = 1-1/2" High Temp - Turbine Body Only*
-200S = 2" Standard
-200H** = 2" High Temp - Turbine Body Only*

*Call GPI for Sensor & Electronics

**Only Available for GFT

SENSOR CHOICE **5**

X = No Sensor - Turbine Body Only

ELECTRONIC CHOICE (LOCAL) **6**

Turbine Mounted

-X = No Electronics - Turbine Body Only

--->>>> **1** **2** **3** **4** **5** **6**
G F T- -075S X -X

SPECIFICATIONS

Design Type:	Turbine		
Fitting Type:	150# RF ANSI Flange		
Housing Material:	316 Stainless Steel		
Meter Sizes Available:			
For GFT	3/4" 1" 1-1/2" 2"		
For GFP:	3/4" 1" 1-1/2" 2"		
For High Temperature:	3/4" 1" 1-1/2" 2"		
Flow Range:	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:	Flange Rule		
Operating Temperature Range:			
For Tungsten Carbide:	-450° F to 800° F (-268° C to 426° C)		
For SS/PTFE:	-100° F to 225° F (-74° C to 107° C)		
Typical K-Factor:	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)	

DIMENSIONS

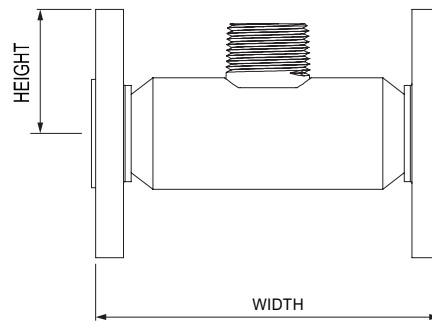
Meter Size	Length in. (mm)	Height in. (mm)
3/4"	5.50 (140)	1.94 (49)
1"	5.50 (140)	2.12 (54)
1-1/2"	6.00 (152)	2.50 (63)
2"	6.50 (165)	3.00 (76)

* Height on flange meters, measures from center line to top of flange.

ACCESSORIES / ELECTRONICS

Part No.	Description
80001101	Weather proof enclosure - Zinc
80001105	Weather proof enclosure - SS
F Series (F018/F127/F130)	Remote Electronics

Wetted Materials:	Housing:	316 Stainless Steel
	Sleeve Bearings:	GFT - Tungsten Carbide GFP - PTFE
	Thrust Bearing:	GFT - Tungsten Carbide GFP - 440C Stainless Steel
	Shaft:	GFT - Tungsten Carbide GFP - 316 Stainless Steel
	Rotor:	CD4MCu Stainless Steel
	Rotor Supports:	316 Stainless Steel
	Retaining Rings:	300 Series Stainless Steel
Recommended Strainer Size:		
	3/4 inch	40 mesh (420 µm)
	1 inch	40 mesh (420 µm)
	1-1/2 inch	18 mesh (1000 µm)
	2 inch	14 mesh (1410 µm)
Frequency Output:	3/4" (075)	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.	



Part No.	Description
145506-01	Kit, Adapter, G Series-QSI1-Q09 Display
145506-02	Kit, Adapter, G Series-QSI2-Q09 Display
145506-03	Kit, Adapter, G Series-QSI3-Q09 Display
145506-04	Kit, Adapter, G Series-QSI1-No Display
145506-05	Kit, Adapter, G Series-QSI2-No Display
145506-06	Kit, Adapter, G Series-QSI3-No Display

B.E.S.

FLOWMETERS

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