

G SERIES THREADED (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
- BSPP, ISO and NPT fitting options
- High Temperature model 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

APPROVALS



PRODUCT CONFIGURATION

PRODUCT IDENTIFIER **1**

G = G Series Precision Turbine Meter

FITTING TYPE **2**

N = NPT (Male)
I = ISO 7-1 BSPT Taper (Male)
B = BSPP (Male)

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**

-050S♦ = 1/2 in. Low Flow - Turbine Body Only*
-051S = 1/2 in. Standard
-051H = 1/2 in. High Temp - Turbine Body Only*
-075S = 3/4 in. Standard
-075H = 3/4 in. High Temp - Turbine Body Only*
-075E = 3/4 in. Ext-Range
-75EH = 3/4 in. Ext-Range High Temp - Turbine Body Only*
-100S = 1 in. Standard
-100H = 1 in. High Temp - Turbine Body Only*
-150S = 1-1/2 in. Standard
-150H = 1-1/2 in. High Temp - Turbine Body Only*
-200S = 2 in. Standard
-200H = 2 in. High Temp - Turbine Body Only*
-300S♦♦ = 3 in. Standard

*Call GPI for Sensor & Electronics

♦Only Available for GNP, GIP and GBP

♦♦Only Available for GNT, GIT and GBT

SENSOR CHOICE **5**

1 = Low Drag Standard Sensor with 12 inch Lead Wires (-051S only)

2 = Standard Sensor with 12 inch Lead Wires

X = No Sensor - Turbine Body Only

ELECTRONIC CHOICE (LOCAL) **6**

Turbine Mounted

-5 = GG510 - Standard Display

-6 = GX510 - 4-20 mA Transmitter with Display

-7 = GA510 - 4-20 mA Transmitter

-8 = SC510 - Scaled Pulse Output

-X = No Electronics - Turbine Body Only

1 2 3 4 5 6
 --->>>> **G + I + T + -075S + 2 + -6 = SAMPLE**

SPECIFICATIONS

Design Type:	Turbine		
Fitting Type:	NPT (Male)		
	Taper (Male) ISO 7-1 BSPT		
	BSP (Male) ISO 228-1 designation G		
Housing Material:	316 Stainless Steel		
Meter Sizes Available:			
For GNT, GBT & GIT	1/2" 3/4" 1" 1-1/2" 2" 3"		
For GNT, GBT & GIT High Temp	1/2" 3/4" 1" 1-1/2" 2"		
For GNP, GBP & GIP	1/2" 3/4" 1" 1-1/2" 2"		
Flow Range:	1/2" (050)	0.6 - 6.0 GPM	(2.2 - 22 LPM)
	1/2" (051)	0.8 - 6.0 GPM	(3.0 - 22 LPM)
	3/4" (075)	1.6 - 16 GPM	(6.0 - 60 LPM)
	3/4" (075E)	2.3 - 23 GPM	(8.7 - 87 LPM)
	1" (100)	6.7 - 67 GPM	(25.2 - 252 LPM)
	1-1/2" (150)	17.7 - 177 GPM	(67 - 670 LPM)
	2" (200)	33 - 330 GPM	(125 - 1250 LPM)
	3" (300)	60 - 600 GPM	(227.1 - 2271 LPM)
Accuracy (Linearity):	± 0.5%		
Repeatability:	± 0.1%		
Pressure Rating:	1/2 in. to 2 in. - 5,000 PSI / 340 BAR 3 in. - 2,500 PSI / 170 BAR		
Operating Temperature Range:			
For GBT, GIT, GNT Tungsten Carbide:	-100° F to +225° F (-74° C to +107° C)		
For GBT, GIT, GNT High Temperature:	-450° F to +800° F (-268° C to +426° C)		
For GBP, GIP, GNP	-100° F to +185° F (-74° C to +85° C)		
Typical K-Factor:	1/2" (050)	10,000 PPG / 2642 PPL	
	1/2" (051)	10,000 PPG / 2642 PPL	
	3/4" (075)	3,750 PPG / 991 PPL	
	3/4" (075E)	2,608 PPG / 689 PPL	
	1" (100)	896 PPG / 237 PPL	
	1-1/2" (150)	340 PPG / 90 PPL	
	2" (200)	181 PPG / 48 PPL	
	3" (300)	50 PPG / 13 PPL	

Service & Warranty: For technical assistance, warranty replacement or repair contact your **FLOMEC®** or **GPI®** distributor: In North or South America: **888-996-3837 / GPI.net**
Outside North or South America: **+61 2 9540 4433 / flomec.com.au**

ACCESSORIES / ELECTRONICS

Part No.	Description
80001100	X-Proof Enclosure
80001101	Weather proof enclosure - Zinc
80001102	X-Proof enclosure with Terminal Strip
80001105	Weather proof Enclosure - SS
GA500	4-20 mA Transmitter - Remote
GA510	4-20 mA Transmitter - Local
GG500-M	Display with pulse out - Remote
GG510-M	Display with pulse out - Local
GX500-M	Display with 4-20 mA Transmitter - Remote

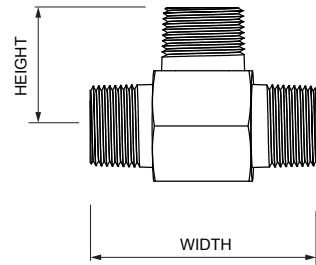
Wetted Materials:	Housing:	316 Stainless Steel
	Sleeve Bearings:	GBT, GIT, GNT - Tungsten Carbide GBP, GIP, GNP - PTFE
	Thrust Bearing:	GBT, GIT, GNT - Tungsten Carbide GBP, GIP, GNP - 440C Stainless Steel
	Shaft:	GBT, GIT, GNT - Tungsten Carbide GBP, GIP, GNP - 316 Stainless Steel
	Rotor:	CD4MCu Stainless Steel
	Rotor Supports:	316 Stainless Steel
	Retaining Rings:	300 Series Stainless Steel

Recommended Strainer Size:		
	1/2 inch	40 mesh
	3/4 inch	40 mesh
	1 inch	40 mesh
	1-1/2 inch	18 mesh
	2 inch	14 mesh
	3 inch	14 mesh

Frequency Output:	1/2" (050)	125 - 1000 Hz
	1/2" (051)	125 - 1000 Hz
	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:	3" (300)	50 - 500 Hz
	Comes standard with G Series meters. N.I.S.T. - Certification available.	

DIMENSIONS

Meter Size	Length " (mm)	Height " (mm)
1/2"	2.75 (70)	1.68 (43)
3/4"	3.25 (82)	1.75 (44)
1"	3.56 (90)	1.87 (47)
1-1/2"	4.59 (116)	2.12 (54)
2"	6.06 (154)	2.31 (59)



Part No.	Description
GX510-M	Display with 4-20 mA Transmitter - Local
SC500	Scaled Pulse Unit - Remote
SC510	Scaled Pulse Unit - Local
E112	Explosion-proof Display - Local
F Series (F116/F118/F126/F130)	Remote Panel Mount Electronics
N410	Deluxe Batch Controller