FLOMEC®

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
- 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

CE

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 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

SENSOR CHOICE [5]

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]
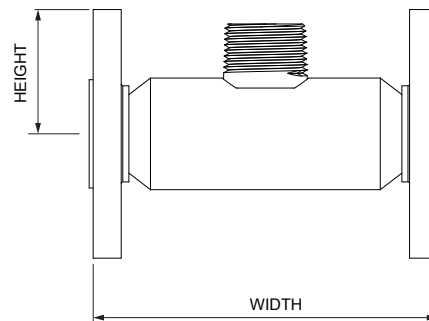--->>>> G + F + T- + -075S + 2 + -6 = SAMPLE

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"	3"
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 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:	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 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

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
	1 inch	40 mesh
	1-1/2 inch	18 mesh
	2 inch	14 mesh
	3 inch	14 mesh

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
	3" (300)	50 - 500 Hz

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

DIMENSIONS

Meter Size	Length " (mm)	Height " (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)

Meter Size	Length " (mm)	Height " (mm)
2"	6.50 (165)	3.00 (76)
3"	10.00 (254)	3.75 (95)

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

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

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

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**

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