



Precision Meters - NPT Fitting



**Model GNT
NPT Fitting**

ACCURACY: ± 0.5% OF READING

GNT Stainless Steel Precision Turbine Meter



Select Your Meter Size:

- | | |
|----------|------------|
| 1/2 inch | 1-1/2 inch |
| 3/4 inch | 2 inch |
| 1 inch | 3 inch |



For Your Special Application Needs:

Model GNP
For Chemicals

- 1/2 inch
- 3/4 inch
- 1 inch
- 1-1/2 inch
- 2 inch

Model GNT HT
For High Temperatures

- 1/2 inch
- 3/4 inch
- 1 inch
- 1-1/2 inch
- 2 inch

MODEL GNT – SPECIFICATIONS

Design Type:	Turbine					
Housing Material:	Stainless Steel					
Meter Sizes Available:						
For GNT:	1/2"	3/4"	1"	1-1/2"	2"	3"
For GNP:	1/2"	3/4"	1"	1-1/2"	2"	—
For High Temperature*:	1/2"	3/4"	1"	1-1/2"	2"	—
Flow Range:	1/2" (050) [†]	0.6 - 6.0 GPM (2.2 - 22 LPM)		GNP only		
	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 (67.0 - 670 LPM)				
	2" (200)	33 - 330 GPM (125.0 - 1250 LPM)				
	3" (300)	60 - 600 GPM (227.1 - 2271 LPM)				
Accuracy (Linearity):	± 0.5% of reading					
Repeatability:	± 0.1%					
Pressure Rating:	1/2" to 2" = 5,000 PSI / 340 BAR 3" = 2,500 PSI / 170 BAR					
Operating Temperature Range:						
For Tungsten Carbide:	-100°F to +225°F (-74°C to +107°C)					
For High Density Plastic:	-100°F to +185°F (-74°C to +85°C)					
For High Temperature*:	-450°F to +800°F (-268°C to +426°C)					
Typical K-Factor:	1/2" (050) [†]	10,000				
	1/2" (051)	10,000				
	3/4" (075)	3,750				
	3/4" (075E)	2,608				
	1" (100)	896				
	1-1/2" (150)	340				
	2" (200)	181				
	3" (300)	50				
Wetted Materials (GNT):						
Housing:	316 Stainless Steel					
Sleeve Bearings:	Tungsten Carbide					
Thrust Bearing:	Tungsten Carbide					
Shaft:	Tungsten Carbide					
Rotor:	CD4MCu Stainless Steel					
Rotor Supports:	316 Stainless Steel					
Wetted Materials (GNP):						
Housing:	316 Stainless Steel					
Sleeve Bearings:	PTFE					
Thrust Bearing:	Acetal					
Shaft:	316 Stainless Steel					
Rotor:	CD4MCu Stainless Steel					
Rotor Supports:	316 Stainless Steel					
Recommended Strainer Size:						
	1/2"	40 mesh				
	3/4"	40 mesh				
	1"	40 mesh				
	1-1/2"	18 mesh				
	2"	14 mesh				
	3"	14 mesh				
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				
	3" (300)	50 - 500 Hz				

* Requires High Temp Pick-Off.

[†] GNP-050 requires RF Pickup.

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