G2 INDUSTRIAL METERS **STAINLESS STEEL**

"Look for the blue label!"

The GPI Stainless Steel Meter line has a proven track record in the industrial market. GPI Stainless Steel Meters are rugged and dependable. Use stainless steel meters for most chemicals: Ammonium, Plating Solutions and Fuel products.

For complete part number, see "Number Reference" chart on page 15.

Select Your Meter Size:

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

Features and Benefits:

✓ Stainless steel meters have excellent chemical compatibility.

✓ Modular design allows for use with Output Modules, Sensors and Remote Transmitters.

✓ 2 Totals (Batch = Resettable, Cumulative = Non-Resettable); Rate of Flow. Factory calibrated in gallons and litres. Field calibratable. Allows user calibration. Includes non-volatile totals.

✓ High accuracy meter.

✓ Internal parts are simple to replace for easy maintenance.

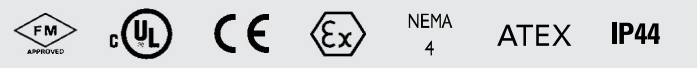✓ Lithium battery life: 5 years.

✓ Accessories easily upgrade meter.

STAINLESS STEEL – SPECIFICATIONS

Fitting Type:		NPT or ISO (Female)	
Housing Material:		316 Stainless Steel	
Meter Sizes Available:		1/2" 3/4" 1" 1-1/2" 2"	
Flow Range:	1/2" (S05)	1 - 10 GPM	(3.8 - 37.9 LPM)
	3/4" (S07)	2 - 20 GPM	(7.6 - 75.7 LPM)
	1" (S10)	5 - 50 GPM	(18.9 - 190 LPM)
	1-1/2" (S15)	10 - 100 GPM	(38.0 - 380 LPM)
	2" (S20)	20 - 200 GPM	(76 - 760 LPM)
Accuracy (% of Reading):		**Turbine Only**	**Turbine w/Computer**
	1/2" (S05)	± 2.0%	± 1.5%
	3/4" (S07)	± 1.5%	± 1.0%
	1" (S10)	± 1.5%	± 1.0%
	1-1/2" (S15)	± 1.0%	± 0.75%
	2" (S20)	± 1.0%	± 0.75%
Repeatability:		± 0.1%	
Pressure Rating:		1,500 PSI / 102 BAR	
Operating Temperature Range:		-40° F to +250° F (-40° C to +121° C)	
with Computer:		0° F to +140° F (-18° C to +60° C)	
Typical K-Factor:	1/2" (S05)	2,500	
	3/4" (S07)	1,100	
	1" (S10)	565	
	1-1/2" (S15)	215	
	2" (S20)	100	
Wetted Materials:	Housing:	316 Stainless Steel	
	Bearings:	Ceramic	
	Shaft:	Tungsten Carbide	
	Rotor:	PVDF	
	Rings:	316 Stainless Steel	
Frequency Range:	1/2" (S05)	42 - 420 Hz @ 1 - 10 GPM	
	3/4" (S07)	37 - 370 Hz @ 2 - 20 GPM	
	1" (S10)	47 - 470 Hz @ 5 - 50 GPM	
	1-1/2" (S15)	36 - 360 Hz @ 10 - 100 GPM	
	2" (S20)	33 - 330 Hz @ 20 - 200 GPM	
Recommended Strainer Size:			
	1/2" (S05)	55 mesh	
	3/4" (S07)	55 mesh	
	1" (S10)	55 mesh	
	1-1/2" (S15)	28 mesh	
	2" (S20)	28 mesh	
Maximum Flow:	1/2" (S05)	15 GPM (56.8 LPM)	
	3/4" (S07)	30 GPM (113.6 LPM)	
	1" (S10)	75 GPM (284 LPM)	
	1-1/2" (S15)	150 GPM (568 LPM)	
	2" (S20)	300 GPM (1,136 LPM)	
Wrench Flat Size:	1/2" (S05)	1-1/16 inch (27 mm)	
	3/4" (S07)	1-5/16 inch (33 mm)	
	1" (S10)	1-5/8 inch (41 mm)	
	1-1/2" (S15)	2-3/8 inch (60 mm)	
	2" (S20)	3 inch (75 mm)	
Shipping Weight:	1/2" (S05)	2.3 lbs./1.1 kg - Turbine Only: 2.1 lbs./.95 kg	
	3/4" (S07)	2.5 lbs./1.1 kg - Turbine Only: 2.3 lbs./1.0 kg	
	1" (S10)	3.0 lbs./1.3 kg - Turbine Only: 2.8 lbs./1.2 kg	
	1-1/2" (S15)	4.6 lbs./2.0 kg - Turbine Only: 4.4 lbs./2.0 kg	
	2" (S20)	6.8 lbs./3.0 kg - Turbine Only: 6.6 lbs./3.0 kg	

ELECTRONIC CHOICES

Local Display, Remote Display & Remote Transmitter Options:	See Electronics Section.

APPROVALS

FM APPROVED   c(UL)   CE   (Ex)   NEMA 4   ATEX   IP44

At Great Plains Industries, we've been building rugged, reliable, liquid flowmeters for over 35 years. The GPI Industrial Meter family includes a full line of Precision and Industrial Turbine meters plus Oval Gear meters in various materials, sizes and fitting options.

We design products to meet the needs of our customers. This includes maintaining appropriate, industry standard approvals. Approvals vary by product line and may be dependent on meter application. For example, Oval Gear Meter approvals are dependent on application as outlined below.

The Approval symbol is listed under product specifications on individual product pages. If no approval mark is found, check the chart below. For details about specific "Approvals" refer to the chart.

Symbol	Description
3-A	**3-A Sanitary Standards, Inc.** "Flowmeters for Milk and Milk Products, Number 28-03" for GSCPS Models and L Option Meters.
ATEX	**ATEX ANNEX VIII II 3 G** Equipment Group II (other than mines); Category 3 (for zone 2); G (for gases, vapors and mist).
CE	Product reviewed for EMC Directive 89/336/EEC or 89/392/EEC. Includes: Euro Norms 50081-1 and 50082-1 on A1 and G2 Series Meters. Note: For **Oval Gear Meters**, the CE Approval is applied when meter is part of a system.
c UL	**Underwriters Laboratories - cUL** Classified by UL to Canadian Standard C22.2 No. 157-92 and Canadian Electrical Code, Part 1 as Intrinsically Safe for Class I, Groups A, B, C & D; Class II, Groups E, F & G and Class III.
Ex	**EEx nL IIC T4 U** Per Euro Norm 50021.
FM APPROVED	**Factory Mutual Approved** Intrinsically Safe for Class I, II, III, Division 1, All Groups. Nonincendive for Class I, II, III, Division 2 Groups A, B, C, D, F, G.
FC	**Federal Communication Commission** Industry Canada Approval Class B; digital service, part 15 of FCC Rules.
IP44/IP54/IP66	**Ingress Protection Code** IP44 (Greater than 1 mm and splashed water); IP54 (Dust protected and splashed water); IP66 (Dust-tight and heavy seas).
IP/NEMA	Pulse versions of **Oval Gear Meters** have enclosure ratings that vary from IP54 / NEMA 13 to IP66 / NEMA 16 depending on the application.
NEMA 4	NEMA Requirements: Enclosure constructed for indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment. Protection against falling dirt, rain, sleet, snow, windblown dust, splashing or hose directed water that will be undamaged by the external formation of ice on the enclosure. *GPI products are tested to NEMA requirements.*
UL	Class I, Division I, Groups B, C and D. Class II, Division I, Groups E, F and G.