WJ-Series
TURBINE METERS

Seametrics
Precision Flow Measurement
An ONICON Brand

3" and 6" WJ Meters

APPLICATIONS

Remote totalizing

Pacing electronic metering pumps

Cooling water monitoring

Industrial fluid control

Water/Wastewater treatment

Features

- Non-resettable mechanical totalizer
- 2, 3, 4, 6, 8" pipe sizes
- Optional pulse output
- Rugged construction
- Accurate and economical

WJ-Series turbine meters are dry-register mechanical totalizers that offer accurate, economical reading of high flows with low pressure loss. The horizontal-axis turbine drives a vertical shaft, which is magnetically coupled to the sealed register.

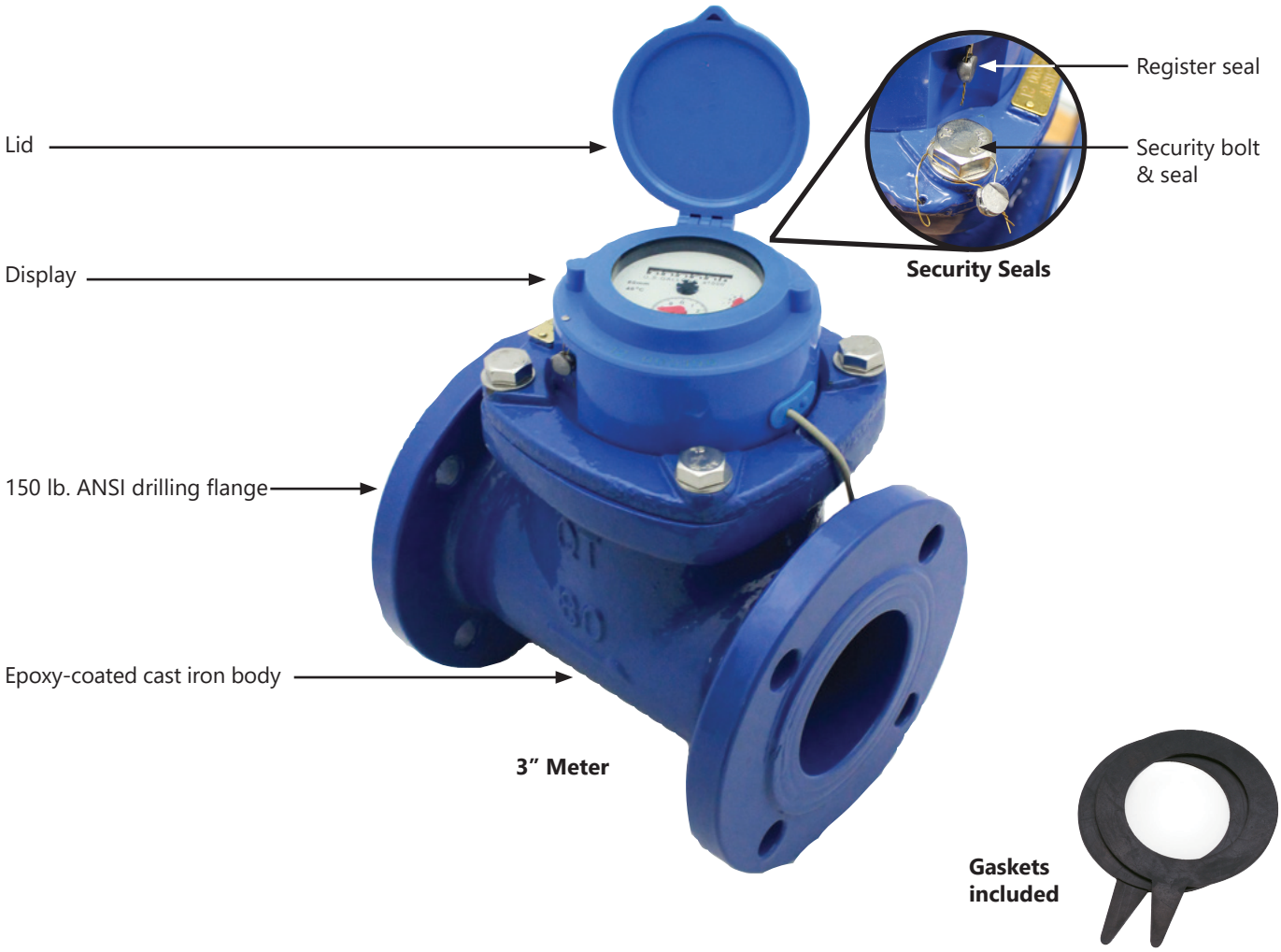
In addition to mechanical totalizing, registers can be equipped with magnetic pulse reed sensors well suited for remote totalizing, pacing of electronic metering pumps, and water treatment applications.

Bodies are manufactured of tough cast iron and epoxy-coated for protection. Tungsten steel shafts and jewel bearings further enhance the durability of these meters. Simple removal of the top flange brings out all parts for inspection, repair, or replacement. The meter has a tamper-evident seal to call attention to unauthorized access.

Compatible Seametrics controls include the PT35 pulse timer and the PS40 pulse splitter for running multiple pulse-responsive devices (e.g. pumps, counter timers and remote totalizers) with a single WJ meter.

Contact Your Supplier

Features



Specifications*

Materials	**Meter Body**	Cast iron, epoxy coating
	Register Plate	ABS plastic
	Drive Magnet	Alnico
	Turbine	Plastic
	Turbine Shafts	Tungsten steel
	Bearings	Jewel
Flanges		150 lb ANSI drilling
Maximum Pressure		150 psi (10 bar)
Maximum Temperature		105˚ F (40˚ C)
Accuracy	**Above Transition[1]**	± 2% of reading
	Below Transition[1]	± 5% of reading
Reed Switch		100 mA @ 24 Vac/dc

** Specifications subject to change. Please consult our website for current data. (seametrics.com)*

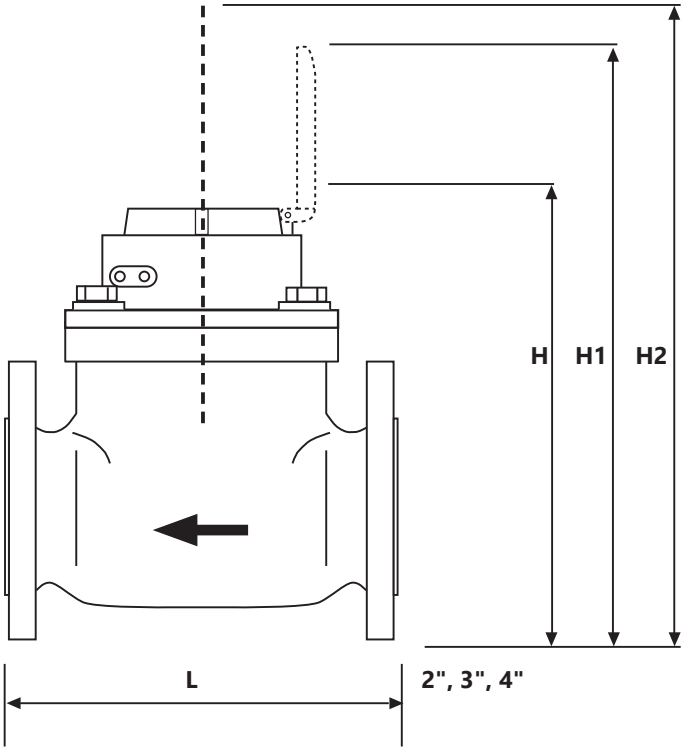
Note 1: See flow range table.

Flow Range (GPM)

	2"	3"	4"	6"	8"
Minimum	2	5.3	8	20	33
Max. Continuous	132	352	528	1320	2200
Transition[2]	13	35	53	132	220

Note 2: The flow rate at which accuracy changes from ± 2% of reading (above Transition) to ± 5% of reading (below Transition).

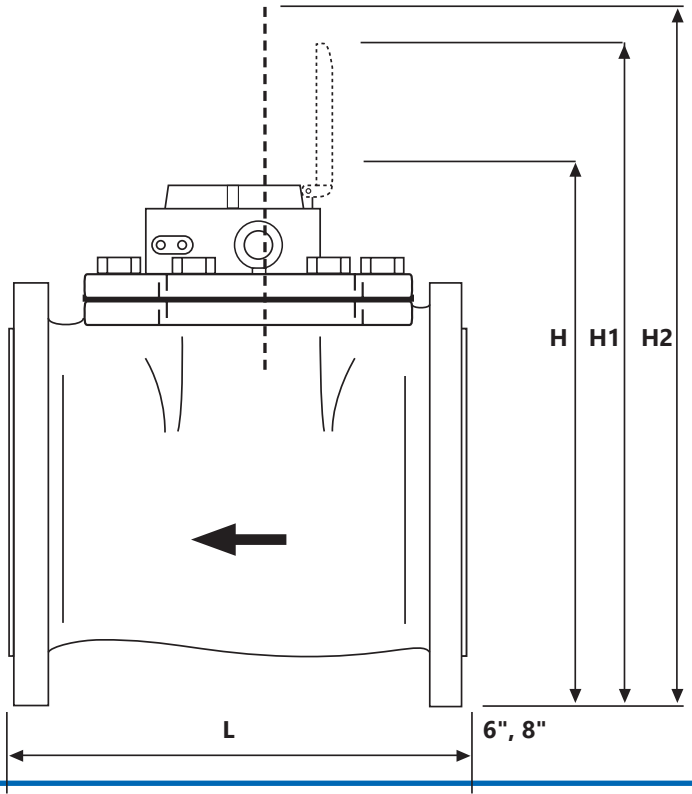
Dimensions



2", 3", 4" Dimensions

	2"	3"	4"
L	7.87" 19.99 cm	8.86" 22.5 cm	9.84" 24.99 cm
H	10.08" 25.6 cm	10.87" 27.61 cm	11.26" 28.60 cm
H1	12.91" 32.79 cm	13.70" 34.8 cm	14.09" 35.79 cm
H2	15.75" 40.0 cm	15.75" 40.0 cm	15.75" 40.0 cm
Wt.	26.5 lb 12.02 kg	35.3 lb 16.01 kg	39.7 lb 18.01 kg

H1 = Lid clearance for reading display
H2 = Lid clearance for replacing turbine insert

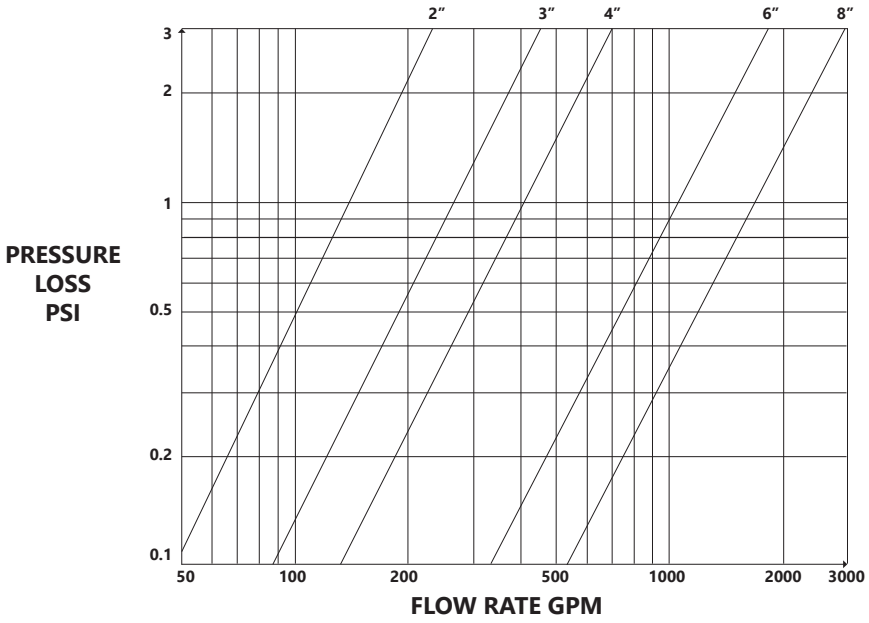


6", 8" Dimensions

	6"	8"
L	11.81" 30.0 cm	13.78" 35.0 cm
H	13.60" 34.54 cm	14.67" 37.26 cm
H1	16.44" 36.68 cm	17.50" 44.45 cm
H2	19.69" 50.01 cm	19.69" 50.01 cm
Wt.	92.6 lb 42.0 kg	141 lb 63.96 kg

H1 = Lid clearance for reading display
H2 = Lid clearance for replacing turbine insert

Pressure Loss



How to Order

MODEL	SIZE	OPTIONS	PULSE RATE *(Select with Option -17 Only)*
WJ	2" = **-200** 3" = **-300** 4" = **-400** 6" = **-600** 8" = **-800**	Pulse Output/Reed Switch = **-17** *(Select pulse rate at right)*	**Meter Size** / **Pulse Rate** 2"/3"/4" — 100 Gal/Pulse = **100 G** 2"/3"/4"/6"/8" — 1000 Gal/Pulse = **1,000 G** 6"/8" — 10,000 Gal/Pulse = **10,000 G**
WJ			

ACCESSORIES

Pulse Timer = **PT35**

Pulse Splitter = **PS40**

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