Seametrics

FEATURES

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

2", 3" and 4" WJ Meters

APPLICATIONS

- Remote totalizing
- Pacing electronic metering pumps
- Cooling water monitoring
- Industrial fluid control
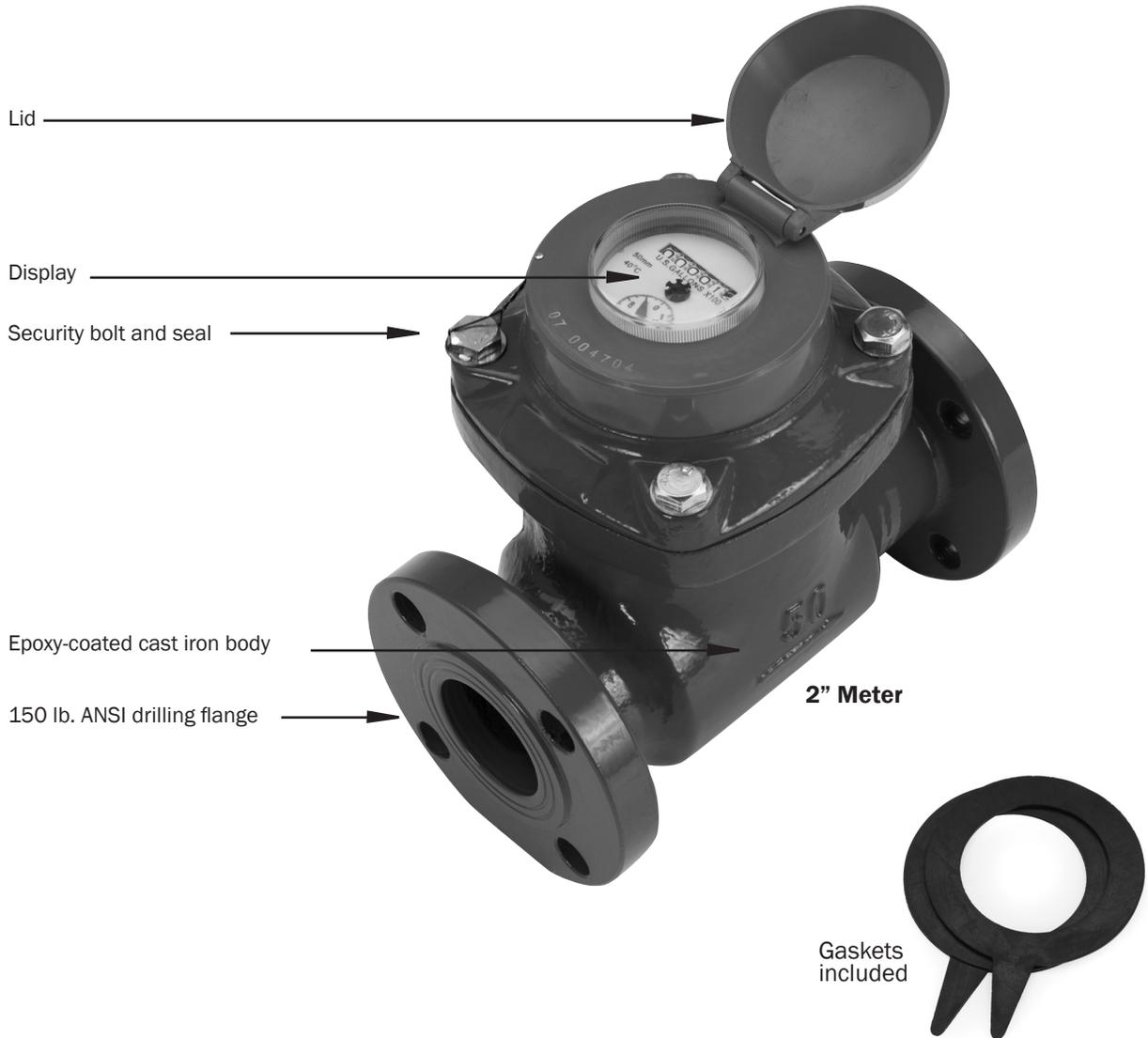- Water/Wastewater treatment

GENERAL INFORMATION

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, the PD10 pulse divider, and the PS40 pulse splitter for running multiple pulse-responsive devices (e.g. pumps, counter timers and remote totalizers) with a single WJ meter.

Seametrics

FEATURES

Lid

Display

Security bolt and seal

Epoxy-coated cast iron body

150 lb. ANSI drilling flange

2" Meter

Gaskets included

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		200 psi (14 bar)
Maximum Temperature		105˚ F (40˚ C)
Accuracy* Above Transition		+/-2% of reading
Below Transition		+/-5% of reading
Reed Switch		100 mA @ 24 Vac/dc

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

FLOW RANGE (GPM)

	2"	3"	4"	6"	8"
Minimum	2	5.3	8	20	33
Max. Continuous	132	352	528	1320	2200
Max. Intermittent	165	440	660	1650	2750
Transition*	16	24	40	80	140

*The flow rate at which accuracy changes from +/-2% of reading (above Transition) to +/-5% of reading (below Transition).

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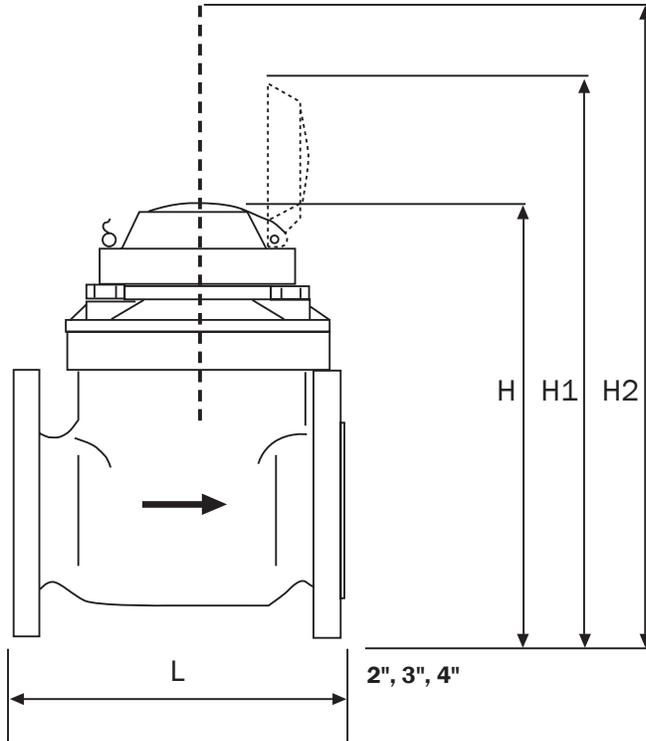
DIMENSIONS

2", 3", 4" Dimensions

	2"	3"	4"
L	9.625"	8.86"	9.84"
H	10.08"	10.87"	11.26"
H1	12.91"	13.70"	14.09"
H2	15.75"	15.75"	15.75"
Wt.	31 lbs.	45 lbs.	47 lbs.

H1 = Lid clearance for reading display
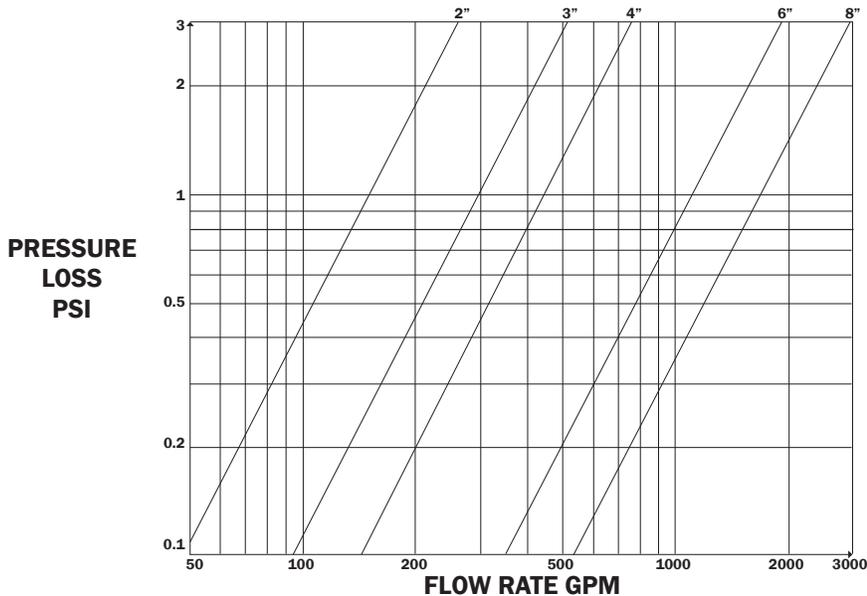**H2** = Head clearance for replacing turbine insert
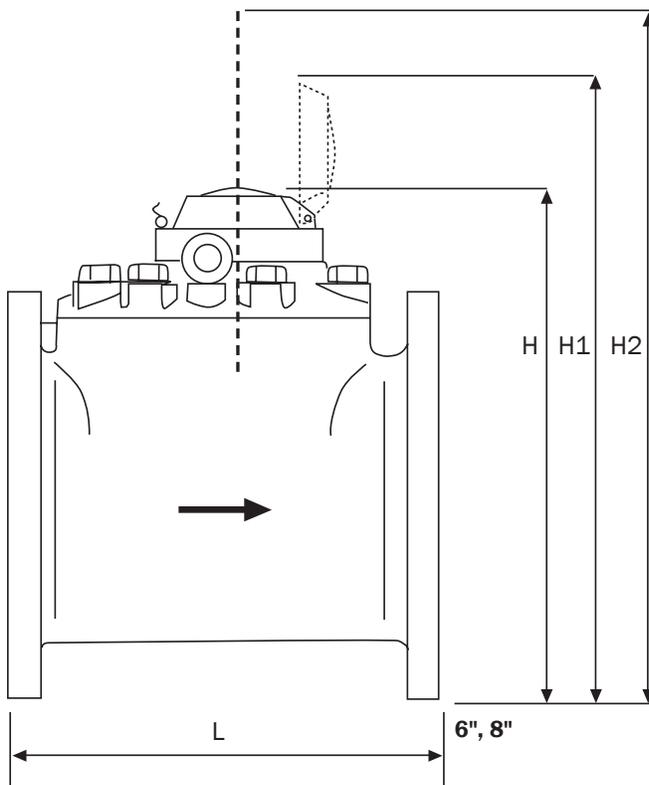
6", 8" Dimensions

	6"	8"
L	11.81"	13.78"
H	13.60"	14.78"
H1	16.44"	17.62"
H2	19.68"	19.68"
Wt.	95 lbs.	131 lbs.

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

Pressure Loss (PSI) vs Flow Rate (GPM) chart for meter sizes 2", 3", 4", 6", 8"

HOW TO ORDER

MODEL	SIZE	OPTIONS	PULSE RATE
			(Select with Option -17 Only)
WJ	2" = **-200**	Pulse Output/Reed Switch = **-17**	
	3" = **-300**	(Select pulse rate at right)	
	4" = **-400**		
	6" = **-600**		
	8" = **-800**		

Meter Size	Pulse Rate
2"	10 Gal/Pulse = **10 G**
2"/3"/4"/6"	100 Gal/Pulse = **100 G**
3"/4"/6"/8"	1000 Gal/Pulse = **1,000 G**
8"	10,000 Gal/Pulse = **10,000 G**

WJ

ACCESSORIES

Pulse Timer = **PT35**

Pulse Divider = **PD10**

Pulse Splitter **= PS40**

CONTACT YOUR SUPPLIER