

TURBINE WATER METER

Measures hot water to 250 °F

PRODUCT DESCRIPTION

These water meters are available $\frac{1}{2}$ " through 12" with a unit-mounted continuous totalizer that operates without electric power. They can be equipped with a pulser output.

FEATURES

- 1% Accuracy
- Waterproof total register
- Integral strainer
- $\frac{1}{2}$ " - 1 $\frac{1}{2}$ " include MPT couplings
- 2" and larger have 150# flanged ends
- Only one moving part — the rotor
- Total register is magnetically driven
- All corrosion resistant materials



Models 200, 300 & 400

CAPACITIES (GPM)

Meter Size	Min.	Max.*	Gal./Pulse
$\frac{1}{2}$ "	.2	13	1
$\frac{3}{4}$ "	.3	20**	1
1"	.5	53	1
1 $\frac{1}{4}$ "	.5	53	1
1 $\frac{1}{2}$ "	.8	88	1
2" ^L	1	130	1
2"	3	307	10
3"	4	660	10
4"	6	790	10
6"	25	1540	100
8"	45	2630	100
10"	53	4400	100
12"	66	5200	100

* Continuous operation should be 50% of maximum.

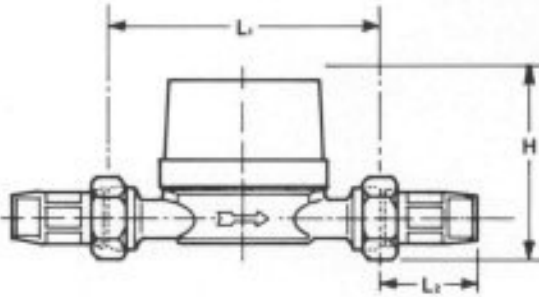
** Max. for Model 400 is 31 GPM.



Model 500

DIMENSIONS

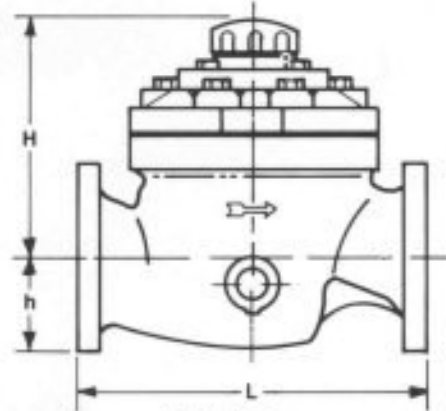
(Inches)



Models 200, 300, 400

Size		½"	¾"	1"	1½"	1¾"
Models 200 & 300	L ₁	4.31	5.12	10.25	10.25	11.87
	H	2.75	2.87	4.75	4.75	5.50
Model 400	L ₁	6.50	10.25*	10.25	—	11.87
	H	6.75	7.25	7.25	—	8.10
All NPT	L ₂	1.37	1.25	1.50	1.50	2.87
All Sweat	L ₂	.63	.87	1.0	—	—
Weight (lbs.)		4	6	6	6	12

*Has 1" MPT connections



Model 500

Size	2"L	2"	3"	4"	6"	8"	10"	12"
H	5.75	7.9	7.9	7.9	8.5	8.5	11.0	10.3
h	3.20	3.0	3.6	4.3	5.6	6.8	8.0	9.5
L	10.6	7.9	8.9	9.9	11.8	13.8	19.8	19.8
Wt. (lbs.)	28	32	40	44	72	100	260	300

SPECIFICATIONS

Model	Maximum		Materials of Construction					
	Temp. °F	psig	Body	Rotor	Strainer	Bearings	Axle	'O' Ring
200	120	150	Brass	Polyamide	Poly	Ceramic	S.S.	Buna-N
300	200	150	Brass	Fiberglass	Poly	Ceramic	S.S.	Poly
400	250	250	Brass	Fiberglass	S.S.	Sapphire	S.S.	EDPM
500	250	250	Cast Iron	Fiberglass	S.S.	Sapphire	S.S.	EDPM

Accuracy

Models 200 & 300 ± 1% F.S.
 Models 400 & 500 ± 1% F.S.

End connections

½" - 1" MPT couplings or sweat
 1½" - 1½" MPT couplings
 2" & up .. 150# flange and gaskets, ANSI B16.5

Flow directions

Models 200 & 300
 ½" - ¾" horizontal & vertical
 1" - 1½" horizontal
 Models 400 & 500 — ½" - 2"L horizontal
 Model 500 — 2" - 12" horizontal & vertical

Flowline straightness required

Upstream5 diameters
 Downstream5 diameters

Pressure drop

½" - 1½" 3 psi or less at 50% max. flow
 2" - 12" 1 psi or less at 50% max. flow

Registration U.S. gallons

Number of digits and (multiplier)

½" - ¾" 7 (X1)
 1" - 1½"8 (X1)
 2" and up 6 (X1000)

Flow indicator dial

½" - 1½"01 to 1 gallon
 2" and up 1 to 10 gallons

Contact closure

Maximum voltage 30 VDC
 Current02 Amps
 Watts 3 DC

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