

SUPER JET WATER METERS

1800 Series



Product Overview

ISTEC's "Super-Jet" 1800 Series are industrial grade water meters available in 1/2" through 12" sizes. All sizes incorporate a variety of standard features such as U.S. gallon register, hermetically sealed non-resettable counter, trickle flow indicator and pulse output. ISTECH's "Super-Jet" design leaves only the turbine immersed, resulting in reliable and long lasting performance.

For easy installation, all ISTECH flow meters up to 1-1/2" are available with union connections; 2" and larger sizes are designed with standard flanges. The smooth running turbine, together with a self-aligning suspension bearing system and other innovative features provides superior reliability and accuracy that meets or exceeds AWWA standards.

In addition, a high temperature version (350°F) of the 2", 3" and 4" meters is available.

Applications

- Cold water
- Hot Water
- Condensate
- Boiler Feed
- Heating Systems
- Cooling Systems

Technical Specifications

Meter Body	Brass (pipe size 1/2" to 1-1/2") Cast Iron (pipe size 2" and up)
Turbine	Fiberglass
Turbine axle	Chrome/Nickel/Steel
Bearing material	Stainless Steel/Sapphire
Tightening screws	Stainless steel
Magnetic transfer	Samarium-Cobalt
Gears, axles, screws	Stainless Steel
Counter Gears	Plastic
Counter axles	Chrome/Nickel/Steel
Display & housing	Plastic
Accuracy	± 1-1/2%
Calibration	U.S. Gals. (Metric Available)

See page 15 for additional specifications

All 1800 Series meters come equipped with a pulse output for remote reading or interconnection to strip recorders, computers, etc.

Dimensions

Size	1/2 (H)	3/4 (A)	1 (H)	1 (D)	1-1/2 (H)	1-1/2 (D)	2 (H)
A	3/4	3/4	1-3/4	5-7/8	2	7-7/8	3-1/4
B	3-3/4	3-3/4	5-1/2	7-1/2	6-1/4	8-3/4	7-1/8
C	4-1/2	5	10-1/4	1-1/4	11-7/8	7/8	10-1/2
Size	2 (A)	3 (A)	4 (A)	6 (A)	8 (A)	10 (A)	12 (A)
A	3	3-3/4	4-3/8	5-3/4	6-3/4	8	9
B	5-1/2	5-1/2	7-7/8	8-1/2	8-1/2	9-1/4	10-1/4
C	7-7/8	8-7/8	9-7/8	11-7/8	13-3/4	17-3/4	19-3/4

NOTE: All dimensions are in inches, (A) = Any Flow Direction
(H) = Horizontal Flow, (D) = Down Flow

