

SUPER JET WATER METERS

1700 Series



Product Overview

ISTEC's "Super-Jet" 1700 Series Water Meters are the latest design in multi-wing flow meters. The result: high reliability with great accuracy at a low cost. The design of the "Super-Jet" flow chamber guides the water through the meter to minimize turbulence. For the 1" through 2" meters, no straight piping to the flow meter is necessary for accuracy that exceeds AWWA standards.

All ISTECH flow meters are designed with a trickle-flow indicator showing even the smallest water flow. The flow counter is non-resettable and available with contact pulsers for remote reading or computer interconnections.

For easy installation, all ISTECH flow meters up to 1-1/2" are available with union connections and the 2" model is equipped with standard flanges. The smooth running, self-aligning turbine adds to the list of innovative features providing long life, accuracy and reliability.

Applications

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

Technical Specifications

Meter Body	Brass (up to 1-1/2") Cast Iron (2")
Built-In Strainer	Polypropylene
O-Ring	Synthetic Rubber or Viton
Turbine	Polyamide Fiber Reinforced
Magnet	Samarium-Cobalt
Magnet Shield Ring	Steel
Pivot	Stainless Steel
Bearing	Ceramic
Register Cap	Polycarbonate
Connections	NPT or Sweat (1/2" to 1") NPT only (1-1/4" & 1-1/2") Flange (2")
Minimum Reading	0.05 Gals.
Maximum Reading	10 million US Gals. (1/2", 3/4") 100 million Gals. (1" - 2")
Accuracy	± 1-1/2%
Calibration	U.S. Gals. (Cubic Ft. available)

See page 15 for additional specifications

All Counters are non-resettable
For larger flow rates and higher temperatures, refer to 1800 Series Water Meter Specifications

Dimensions

Size	1/2	3/4	1	1-1/4	1-1/2	2
L (Body)	4-5/16	5-1/8	10-1/4	10-1/4	11-3/4	10-1/2
C (NPT)*	2-3/8	2-1/2	2-5/8	2-7/8	2-7/8	N/A
C (Sweat)	11/16	7/8	1-1/16	N/A	N/A	N/A
B (Width)	2-3/4	2-3/4	3-5/8	3-5/8	4-3/4	N/A
H (Height)	2	2	3-5/8	3-5/8	3-5/8	5-3/8
h (Height)	3/4	7/8	1-7/8	1-7/8	1-7/8	3-1/2

NOTE: All dimensions are in inches

*Short couplings available for 1/2" to 1"

