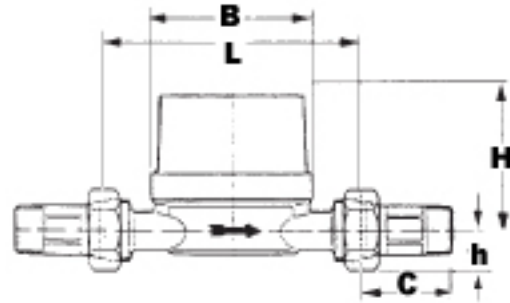


1700 Series “Super Jet” Water Meters

Sizes: 1/2” & 3/4”



Dimensions



General

“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. All 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. The smooth running, self-aligning turbine adds to the list of innovative features providing long life, accuracy and reliability.

Materials / Construction

Body:	Ni Plated Brass
Connections:	NPT or Sweat
Turbine:	Polyamide Fiber Reinforced
Magnet:	Cobalt/Samarium
Pivot:	Stainless Steel
Bearing:	Ceramic
Strainer:	Polypropylene
O-Ring:	Synthetic Rubber or Viton
Counter:	Polycarbonate/Plastic

Operating Specifications / Tech Data

Max. Operating Temp:	200°F (90 °C)
Max. Operating Pressure:	150 PSI (1034 kPa / 10 bar)
Readout:	7 digit, US Gallons
Min. readout	0.05 Gal.
Max. reading	10 million USG
Accuracy:	100% +/- 1½%

Flow Range in GPM:

Size	Min.	Cont.	Max.
1/2” 1701 (02, 03)	0.13	6.6	13.0
3/4” 1710 (12, 13)	0.22	11.0	20.0

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Size	L	C (NPT)	C (Sweat)	B	H	h	#
1/2”	4-5/16	2-3/8	11/16	2-3/4	2	3/4	1.1
3/4”	5-1/8	2-1/2	7/8	2-3/4	2	7/8	1.4

Installation Considerations

Five pipe diameters of straight pipe before and after the meter is required to meet or exceed AWWA accuracy standards.

Can be installed in horizontal (left to right or right to left) or vertical lines (up or down flow)

The flow indicator arrow on the meter body should be installed in the direction of water flow

Meters are designed to operate at a sustained flow of half the max flow rating. They should not be operated at max flow for more than 1 hr/day.

A strainer and shut-off valve are recommended upstream of the meter.

Options & Accessories

- Reed Switch Pulse Output (1702 & 1712)
 - Form A (2 wire) output
 - 1 pulse/gal
 - switch rating: 0.2 amp at 24V
- High Frequency Hall Effect Pulsers (1703 & 1713)
- Remote Totalizers
- High Temperature versions
- High Flow versions (up to 12”)
- CuFt or Metric versions