

1700 SERIES WATER METERS

ISTEC
Flow Measurement & Control



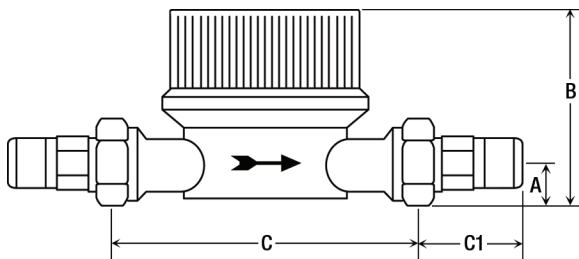
ISTEC's 1700 Series Single-Jet Water Meter in 1/2" & 3/4"

- Single Jet design with only the impeller in the flow chamber for reliable performance
- Economical design and long lasting life
- Tamper Proof "Snap" Cover assures accurate and proper readings
- The roller counter can be rotated for easy reading
- "Dry Counter" design
- Units available with a pulse output
- Compact design for easy installation
- The meter can be mounted horizontally or vertically



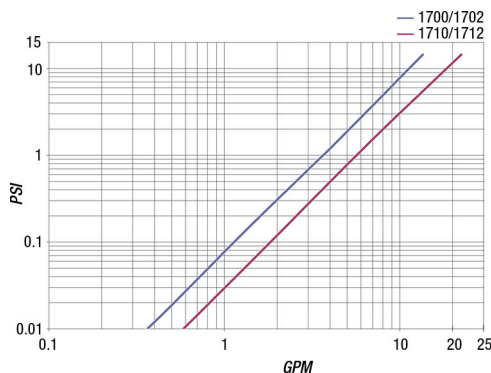
Model Number	1700	1702	1710	1712
Pipe Size	1/2"	1/2"	3/4"	3/4"
Min Flow Rate (gpm)	0.13	0.13	0.22	0.22
Continuous Flow Rate (gpm)	6.6	6.6	11	11
Max Flow Rate (gpm)	13	13	20	20
Max Operation Temperature (°F)	200	200	200	200
Maximum Operation Pressure (psi)	150	150	150	150
Design	Single Jet			
Mounting Connections	NPT			
Mounting Position	Any			
Pulse (gal/pulse)	NO	1	NO	1
Weight (lbs)	1.1	1.1	1.4	1.4

Dimensional Data

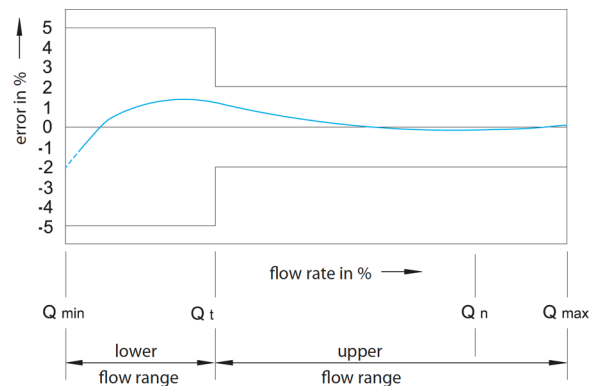


Dimensions	1700	1702	1710	1712
Pipe Size	1/2"	1/2"	3/4"	3/4"
A	3/4"	3/4"	7/8"	7/8"
B	2-3/4"	2-3/4"	3-5/8"	3-5/8"
C	4-3/8"	4-3/8"	5-1/8"	5-1/8"
C1	2-3/8"	2-3/8"	2-1/2"	2-1/2"

Head Loss



Accuracy Graph



ISTEC's 1700 Series Hall Effect Water Meter in 1/2" & 3/4"

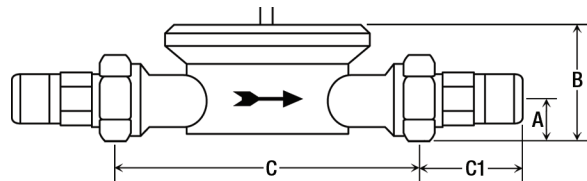
- Single-Jet design with only the Impeller in the flow chamber for reliable performance
- Economical Design and Long-lasting Life
- Compact Design for Easy Installation
- Mount Horizontal or Vertically

Dimensions	1703	1713
Pipe Size	1/2"	3/4"
Min Flow Rate (gpm)	0.13	0.22
Continuous Flow Rate (gpm)	6.6	11
Max Flow Rate (gpm)	13	20
Max Operating Temperature (°F)	200	
Max Operating Pressure (psi)	150	
Design	Single Jet	
Mounting Connection	NPT	
Mounting Position	Any	
Pulse Rate (gpm)	151.4	75.7
Weight (lbs)	1.1	1.4

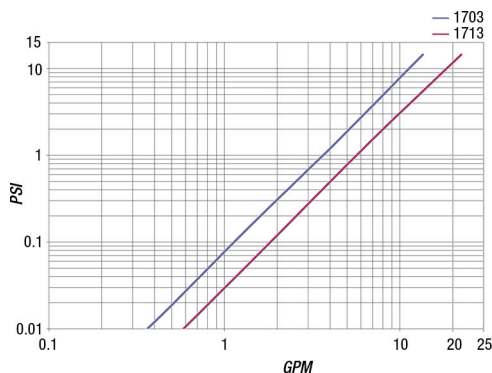


Dimensional Data

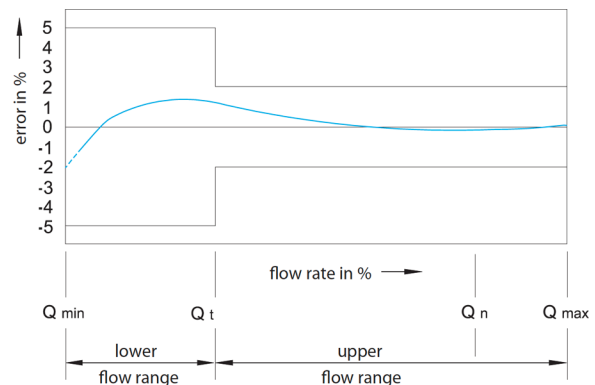
Dimensions	1703	1713
Pipe Size	1/2"	3/4"
A	3/4"	7/8"
B	1-3/4"	1-7/8"
C	4-3/8"	5-1/8"
C1	2-3/8"	2-1/2"



Head Loss



Accuracy Graph



ISTEC's 1700 Series Multi-Jet Water Meter in 1" thru 1-1/2"

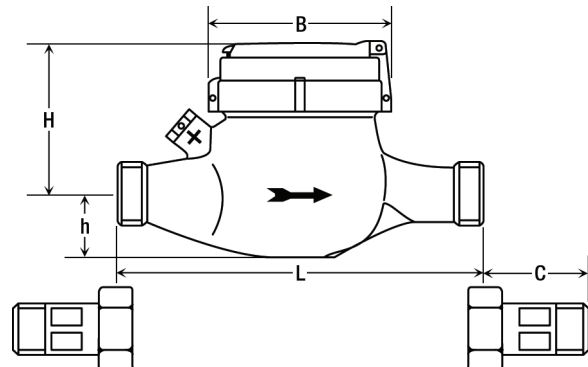
- Multi-Jet design with only the Impeller operating in the flow chamber for reliable performance
- No straight pipe required before or after the meter
- Dry Counter is not effected by dust and moisture
- Non-slip ferrite magnetic coupling
- Compact design for easy installation
- The compact design simplifies maintenance and repair by installing a complete flow chamber



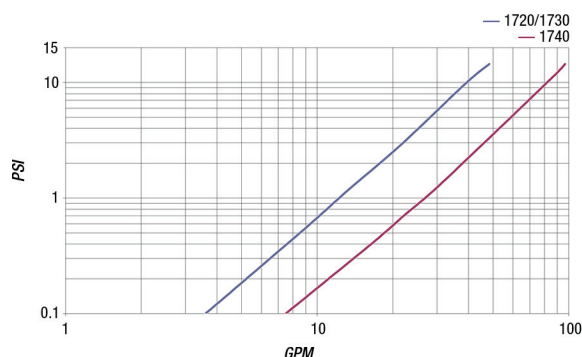
Model Number	1720	1730	1740
Pipe Size	1"	1-1/4"	1-1/2"
Min Flow Rate (gpm)	0.5	0.5	0.8
Continuous Flow Rate (gpm)	26.4	26.4	44
Max Flow Rate (gpm)	50	50	90
Max Operation Temperature (°F)	200	200	200
Max Operation Pressure (psi)	150	150	150
Design	Multi-Jet		
Mounting Connections	NPT		
Mounting Position	Horizontal		
Pulse (gal/pulse)	NO		
Weight (lbs)	5.5	5.5	12

Dimensional Data

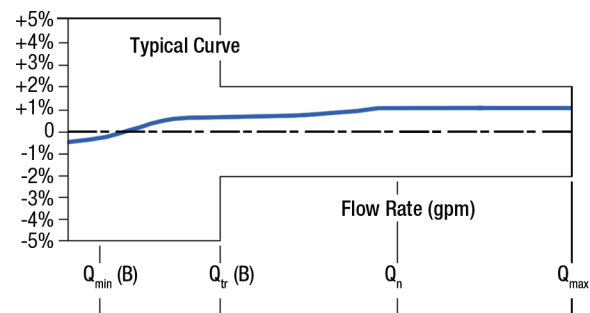
Model Number	1720	1730	1740
Pipe Size	1"	1-1/4"	1-1/2"
L (body)	10-1/4"	10-1/4"	11-3/4"
C (NPT)	2-5/8"	2-7/8"	2-7/8"
B (width)	3-3/4"	3-3/4"	3-3/4"
H (height)	3-5/8"	3-5/8"	3-5/8"
h (height)	1-7/8"	1-7/8"	2-5/8"



Head Loss



Accuracy Graph



ISTEC's 1700 Series 2" Woltmann Design Water Meter

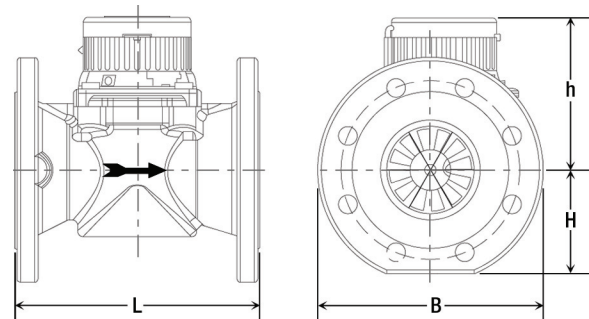
- Woltmann Flow Chamber design with only the Impeller operating in the flow chamber
- Very low head pressure loss
- For warm water to 200°F
- Operating pressure to 227 psi
- Installation in the Horizontal or Vertical position
- Hermetically Sealed Counter is dust and waterproof preventing internal condensation
- The roller counter can be rotated for easy reading
- The built-in optional reed switch is cast into a waterproof enclosure and can be field replaced
- Compact design for easy installation
- Unique design simplifies maintenance and repair



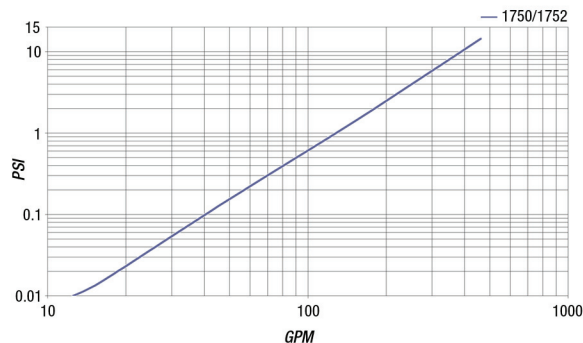
Model Number	1750	1752
Min Flow Rate (gpm)	1.54	
Continuous Flow Rate (gpm)	132	
Max Flow Rate (gpm)	396	
Max Operation Temperature (°F)	200	
Max Operation Pressure (psi)	227	
Design	Woltmann	
Mounting Connections	Flanged	
Mounting Position	Any	
Pulse (gal/pulse)	NO	10/P
Weight (lbs)	22.5	

Dimensional Data

Dimensions	1750 / 1752
B	6-1/2"
L	7-7/8"
H	3"
h	5-1/2"



Head Loss



Accuracy Graph

