PULSAFEEDER®
An IDEX Water & Wastewater Business

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Contacting Head Water Meters

Lead Free Meters

Multi-Jet Meters, 3/4 in. to 2 in., are designed for use in conjunction with a pulse timer to proportionally control pumps, valves etc. Typical applications include water treatment in cooling tower and boiler systems, water chlorination, car washes, and other industrial processes which require proportional control.

The Multi-Jet chamber of the water meter assures accuracy over a wide range of flows with low head loss. To prevent wear and maintain accuracy the load is equally distributed on the impeller.

The body of the water meter is constructed from bronze and factory tested to meet the AWWA C-708 Multi-Jet Meter accuracy specifications. The Multi-Jet Meter has a contact rating of 24Vdc or Vac at 20 mA.

Turbine Meters, 3in. to 6 in., operate continuously with exceptional accuracy. Each meter incorporates a highly efficient horizontal turbine that essentially floats on the water. The turbine is attached to a Tungsten steel shaft riding in Jewel bearings. The rotation of the turbine is transmitted through a magnetic drive to a sealed odometer register.

The cast-iron main case of the turbine meter is coated with a special anti-corrosive material. The register plate is constructed of ABS plastic to ensure long-term reliability. The turbine meter has a contact rating of 24Vdc or Vac at 100mA.

Features

- Non-Resettable Mechanical Totalizer
- ¾” to 6” Pipe Sizes
- Dry Top Multi-Jet Design

Operating Benefits

- Accurate and Economical
- Rugged Construction
- Tolerates Low Quality Water

Lead Free
Contacting Water Meter

Contacting Water Meter

Aftermarket

- Metering Pumps
- Cooling Tower Controllers
- Boiler Controllers
- Pre-Engineered Systems

Water Meters

Electrical Contacting Heads for Proportional Feed Systems

Water Meters
Specifications and Model Selection

Lead Free Brass Contacting Water Meters - Cold Water

	Code	Rating	Reference
Select Water Meter Size	1 =	.625" x .75"	.25 - 20 GPM
	3 =	1" NPT	.75 - 50 GPM
	4 =	1.5" NPT	1.5 - 100 GPM
	5 =	2" NPT	2 - 160 GPM

MTR _ _ _ -G

	Code	Rating	Gallons Per Contact (GPC) 3/4" x 5/8"	1"	1.5"	2"
	00 =	Less Reed	X	X	X	
	01 =	0.1 GPC	X	X		
	02 =	0.25 GPC	X	X	X	
	03 =	0.5 GPC	X			
	04 =	1 GPC	X	X	X	X
	07 =	10 GPC	X	X	X	X

Lead Free

3/4" - 2" Meters have male Epoxy Coated NPT Bronze Bodies with unions, rated for 150 PSI max, 105 F max.

Brass Contacting Water Meters - Cold Water

	Code	Rating	Reference
Select Water Meter Size	2 =	.75" NPT	.5 - 30 GPM
	3 =	1" NPT	.75 - 50 GPM
	4 =	1.5" NPT	1.5 - 100 GPM
	5 =	2" NPT	2 - 160 GPM

MTR _ _ _ -A

	Code	Rating	Gallons Per Contact (GPC) 3/4"	1"	1.5"	2"
	00 =	Less Reed	X	X		X
	01 =	0.1 GPC	X			
	03 =	0.5 GPC	X			
	04 =	1 GPC	X	X	X	
	06 =	5 GPC				X
	07 =	10 GPC	X			

Standard Brass

3/4" - 2" Meters have male Epoxy Coated NPT Bronze Bodies with unions, rated for 150 PSI max, 105 F max.

Turbine Contacting Water Meters - Cold Water

	Code	Rating	Reference
Select Water Meter Size	6 =	3" Flanged	440 GPM
	7 =	4" Flanged	660 GPM
	8 =	6" Flanged	1650 GPM

MTR _ _

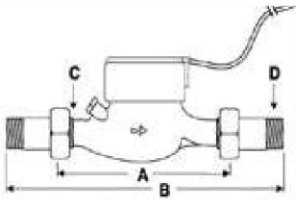
	Code	Ratings	Gallons Per Contact 3"	4"	6"
	10 =	100 GPC	X	X	X
	13 =	1,000 GPC	X	X	X

3", 4" & 6" Meters have Epoxy Coated Ductile Iron Flanged Bodies, rated for 200 PSI max, 105 F max.

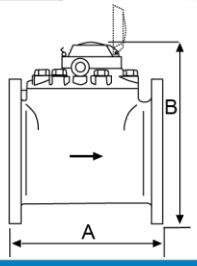
Dimensions

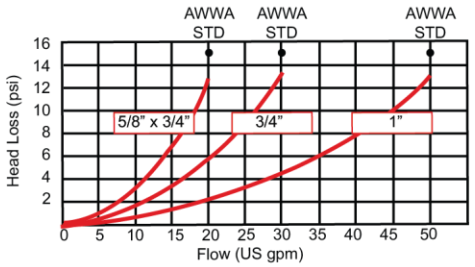
AWWA Standard Body Length

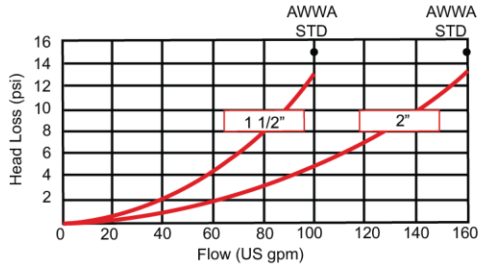
Size	A	B	C(NPSM)	D(NPT)	
5/8"x 3/4"	7.5	11.625	1	3/4	MTR100-A & G
3/4"	9	13.125	1	3/4	MTR200-A & G
1"	10.75	15.5	1 1/4	1	MTR300-A & G
1.5"	12.625	17.75	2	1.5	MTR400-A & G
2"	15.25	21	2 1/2	2	MTR500-A & G



Size	A	B	Flanges
3"	8.86	10.87	150# ANSI
4"	9.84	11.26	150# ANSI
6"	11.81	13.60	150# ANSI







Flow Range (GPM)

	3"	4"	6"
Minumum	5.3	8	20
Max. Continuous	352	528	1320
Max. Intermittenet	440	660	1650
Transition *	24	40	80

* The flow rate at which accuracy changes from +/- 2% of reading (above Transition) to +/- 5% of reading (below Transition).

Engineering Data

Multi-Jet

Materials	
Body:	Cast Bronze
Drive Magnet:	Alnico
Temperature	
Cold Water:	105^{O} F (40^{O}C) max
Pressure:	150 psi Operating
Pulse Output	
Sensor:	Reed Switch
Max Current:	20 mA
Max Voltage:	24Vdc or Vac
Cable Length:	12' (4m) Standard (2000' max Run)
Accuracy:	+/- 1.5% of Reading

Turbine

Materials	
Body:	Cast Iron, Epoxy Coating
Register Plate:	ABS Plastic
Drive Magnet:	Alnico
Turbine:	Plastic
Turbine Shafts:	Tungsten Steel
Bearings:	Jewel
Temperature	
Cold Water:	105^{O} F (40^{O}C) max
Pressure:	200 psi (14 bar) Operating
Pulse Output	
Sensor:	Reed Switch
Max Current:	100 mA
Max Voltage:	24Vdc or Vac
Cable Length:	12' (4m) Standard (2000' max Run)
Above Transition:	+/- 2% of Reading*
Below Transition:	+/- 5% of Reading*

***See Flow Range Table Above**

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