

Flostar

Residential Applications
1/2 thru 1 inch



- Single jet meter
- Extended low flow capability
- Hermetically sealed register
- Low maintenance
- Enhanced endurance
- Direct magnetic coupling between register and impeller



See reverse side for technical characteristics

Overview

The Flostar water meter provides superior low flow performance and outstanding accuracy. Its rugged construction ensures long, reliable service in the harshest environments. Available in sizes 1/2 inch through 1 inch, Flostar is designed to meet the advanced needs of today's water utilities in residential applications.

Working Principle

Flostar's tapered inlet straightens the flow profile, creating a single jet of water that is projected into the measuring chamber, where it strikes the blades of the impeller. The design of the inlet and measuring chamber allows for extremely accurate low flow capabilities. As the impeller turns, a magnetic coupling on top of the shaft rotates the register gears. This direct magnetic coupling between the impeller and the register eliminates any intermediate gearing in the metered water. This design provides reliable measurement in any potable water environment. The register is protected from all outside elements by its hermetically sealed, copper can and glass design. Magnetic tampering is prevented by the placement of an anti-fraud plate in the register.

AMR Compatibility

Actaris' Cyble technology allows flexibility in accommodating the water meter to current and/or future AMR and remote reading requirements. The register is equipped with the standard Cyble target, that allows a Cyble module to read the register. There are two Cyble module choices: the Cyble Coder and the Cyble Sensor. The Cyble Coder can be configured for a two or three wire application, making it compatible with all major touch pad and AMR systems. The Cyble Sensor is a pulse output device to suit various remote reading applications. When a Cyble is installed, magnetic tampering is impossible since the target is non-magnetic. The module's enclosure allows for operation even in flooded pits. If the initial installation purpose did not include AMR technology or remote reading, a Cyble module can be easily installed on any meter in the field without having to upgrade the register.

- The meter should be installed in the horizontal position with the register facing up for optimum performance.
- No upstream or downstream straight pipe is required for the Flostar meter.
- The Flostar comes in industry standard lay lengths to facilitate retrofit.

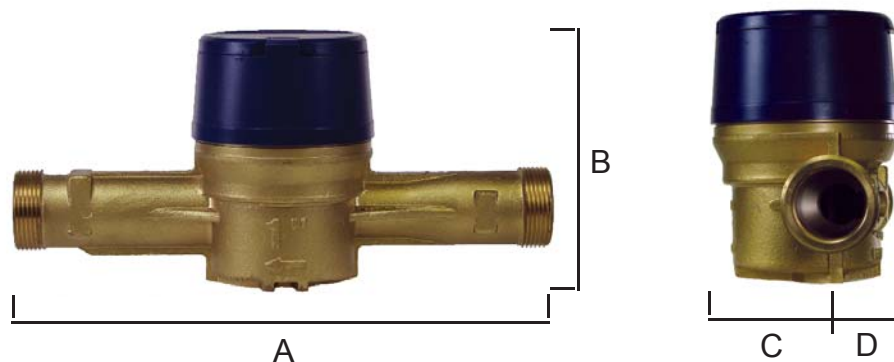
Technical Characteristics

	Units	1/2"	5/8"	3/4"	1"
Normal flow range	gpm	1/8-15	1/4-20	1/2-30	3/4-50
	m ³ /h	0.03-3.4	0.06-4.55	0.12-6.82	0.17-11.36
Low flow rate - Qmin	gpm	1/32	1/16	1/8	1/4
	L/h	7	15	29	57
Register capacity	USG		10 000 000		100 000 000
	Cu Ft		1 000 000		10 000 000
	m ³		1 000 000		1 000 000
Sweep hand registration	USG	0.1	0.1	0.1	1
	Cu Ft	0.01	0.01	0.01	0.1
	m ³	10	10	10	10
Maximum working pressure	psi	200	200	200	200
	bar	13.8	13.8	13.8	13.8
Maximum working temperature	°F	122	122	122	122
	°C	50	50	50	50

Dimensions

	Units	1/2 x 5/8"	5/8 x 3/4"	3/4" SL*	3/4"	1"
A - Length	inch	7 1/2	7 1/2	7 1/2	9	10 3/4
	mm	190	190	190	229	273
B - Overall Height	inch	4 1/8	5	5	5	5
	mm	105	128	128	128	128
C - Centerline to left side	inch	1 7/8	2 1/2	2 1/2	2 1/2	2 1/2
	mm	46	64	64	64	64
D - Centerline to right side	inch	1 7/8	1 1/8	1 1/8	1 1/8	1 1/8
	mm	46	28	28	28	28
Weight	lb	3.2	3.8	3.8	4.4	5.6
	kg	1.4	1.7	1.7	2.0	2.6

*SL- indicates a shorter lay length.



Actaris Liquid Measurement, LLC
 1310 Emerald Road
 Greenwood, SC 29646 - USA
 tel 800.833.3357
 fax 800.833.6971
 www.actariswater-na.com

For more information: watermeters.na@actaris.itron.com