



**AQMATIC**  
Valves & Controls



## F SERIES INLINE FLOW METERS

The F Series inline flow meters are engineered to elevate water treatment and usage measurement. Composed of stainless steel construction and no internal moving parts, these flow meters ensure durability and reliability even in the most demanding environments.

Ultrasonic technology provides high flow accuracy along with superior low flow pick up.

The F Series meter module operates as a pulse generating device with corresponding "K Factor" for accurate flow measurement when connected to commonly used industry controls. Ultrasonic technology provides highly accurate flow measurement along with superior low flow pick up.



### FEATURES/BENEFITS

Innovative use of ultrasonic technology uses no moving parts within the water stream to increase service life

Stainless steel body provides a durable material for challenging applications as well as installation requirements

Meter module can be updated or serviced without removing meter body from plumbing

Passivated surfaces and materials resist scaling

Familiar pulse output mode operation allows meter to be applied to wide variety of control devices

Highly visible LED flow indicator

Male threaded inlet adapter for direct mating to treatment control valve

Laser engraved data plate on meter with date of manufacture and model identification

QR code integrated on data plate to make navigating to specification information easy

Boss provided on outlet for drilling/tapping 1/4" sample port

### OPTIONS

Size range 1", 1 1/2", 2" and 3"

NPT or BSP threaded

8' Cable extension adaptor

### TYPICAL APPLICATIONS

Agricultural Irrigation  
Boiler Water Treatment  
Car Wash Systems  
Centrifugal Separators  
Conveyor Systems  
Cooling Towers  
High Purity Water

HVAC Systems  
Laundry Equipment  
Level Control Systems Process  
Water Systems Pump Controls  
Reverse Osmosis Pretreatment  
Scale Reduction Conditioners  
Water Resource Management

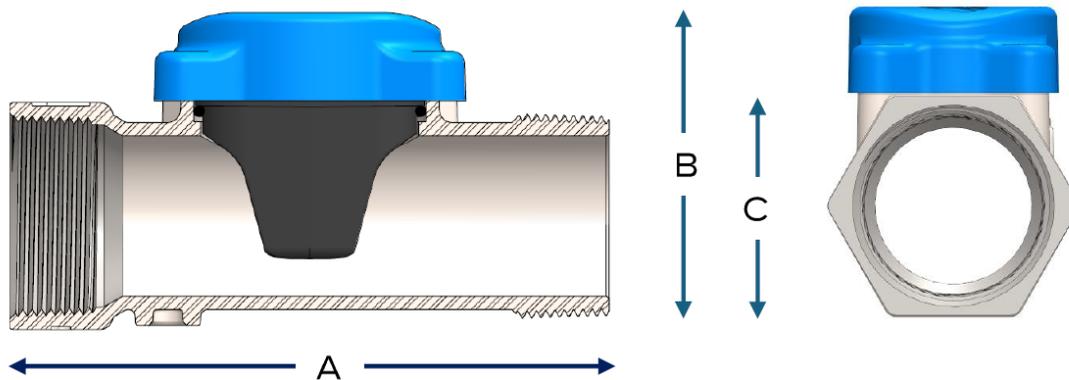
## PERFORMANCE DATA

Model Number	Pipe Size	Operating Range			K Factor (Pulses/Gal)
		Low Flow Threshold	Typical Flow (0.1 ft/sec to 10 ft/sec)	Max Flow (16 ft/sec)	
 F311	1.0"	.12 gpm (.45 Lpm)	<b>0.3 - 24.5 gpm</b> (1.1 - 93 Lpm)	39 gpm (147 Lpm)	40 (10.57/Liter)
 F314	1.5"	.25 gpm (.95 Lpm)	<b>0.6 - 55.1 gpm</b> (2.3 - 209 Lpm)	88 gpm (333 Lpm)	30 (7.93/Liter)
 F315	2.0"	.45 gpm (1.7 Lpm)	<b>1.0 - 98.0 gpm</b> (3.8 - 371 Lpm)	156 gpm (590 Lpm)	20 (5.28/Liter)
 F317	3.0"	1.4 gpm (5.3 Lpm)	<b>2.2 - 220.5 gpm</b> (10.6 - 835 Lpm)	353 gpm (1336 Lpm)	10 (2.64/Liter)

Uniform Plumbing Code recommends that water velocity remain below 8 ft/sec

Max Pressure	125 psi (8.6 bar)
Water Temperature Range	34°F (1°C) to 100°F (38°C)
Operating Power	5 - 24VDC

## WEIGHTS & DIMENSIONS



Model Number	Part Number	Pipe Size	Thread Type	Overall Length (Dim A)	Overall Height (Dim B)	Hex Width Flat to Flat (Dim C)	Weight
F311-000	53001-01	1.0"	NPT	5.6"	2.5"	1.6"	1.7 lbs
F311-001	53001-02		BSP				
F314-000	53004-01	1.5"	NPT	5.6"	3.0"	2.1"	2.0 lbs
F314-001	53004-02		BSP				
F315-000	53005-01	2.0"	NPT	5.6"	3.5"	2.6"	2.4 lbs
F315-001	53005-02		BSP				
F317-000	53007-01	3.0"	NPT	6.9"	4.5"	3.8"	4.2 lbs
F317-001	53007-02		BSP				



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