

# IN-LINE FLOWMETERS FOR ULTRA-PURE WATER

FL-500UP Series  
Starts at  
**\$599**



Optional †

- ✓ Fluid is Always in Sight
- ✓ Direct-Reading English and Metric Scales
- ✓ Electro-Polished Version of Standard 316 SS Shaft and Spring Optionally Available
- ✓ PVDF End Fittings
- ✓ Polysulfone Body
- ✓ Perfluoroelastomer Seals
- ✓ Easily Mounted in Any Pipe Orientation

## SPECIFICATIONS

**Accuracy:** ±5% FS  
**Pressure Drop:** 4 psi at full scale flow  
**Maximum Pressure:** 150 psig @ 20°C (68°F)  
**Maximum Temperature:** 65°C (150°F) @ 0 psig  
**Dimensions:** 177.8 mm (7") long,  
 FL-505 through FL-515:  
 50.8 mm (2") Dia.  
 FL-530 through FL-550:  
 76.2 mm (3") Dia.



**Caution:** Polysulfone should not be used in direct sunlight or any other significant sources of ultraviolet light.

FL-505UP, \$599, shown smaller than actual size.

The FL-500UP is a specialized meter for monitoring the flow rate of ultra-pure water to tools, on de-ionized water returns, and UPW returns. Also available are accessory switches for signaling specific flowrates. Each switch kit contains all the necessary hardware for quick and trouble-free mounting. Kits include a ring-shaped PTFE-coated ceramic magnet that fits around the float in the flowmeter, and a proximity switch mounted in a rugged housing that easily clamps to the body of the flowmeter. As the changing flow causes the float to move within the tube, the magnet moves with it, and its magnetic field trips the proximity switch at the predetermined flow rate. An adjustment screw allows for easy flow rate adjustment. Add 2 switches to indicate both high and low flow rate limits.

**Note:** Switch activates over a 25% FS band; above and below this band, the relay deactivates.

## MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)				
Model No.	Price	Female NPT End Fittings	Dual Scales	
			GPM	LPM
FL-505UP	\$599	1	0.5 to 5	2 to 20
FL-510UP	599	1	1 to 10	4 to 38
FL-515UP	599	1	1.5 to 15	6 to 55
FL-520UP	1016	1.5	2 to 20	8 to 75
FL-530UP	1016	1.5	3 to 30	11 to 110
FL-540UP	1016	1.5	4 to 40	15 to 150
FL-550UP	1016	1.5	5 to 50	20 to 200

## Accessory Switch Kits (Field Installable)

Model No.	Price	For Sizes
FL-500-S1	\$98	FL-505, -510, -515
FL-500-S2	124	FL-520, -530, -540, -550
ES-2036	120	Reference Book: Handbook of Drinking Water Quality

Switch ratings: 8 W, 100 Vdc/120 Vac [at 25°C (77°F)]  
 Comes complete with operator's manual.

† For NIST traceable certificate add suffix "-NIST" to model number and \$150 to price.

For optional electro-polished 316 SS shaft and spring, add suffix "-EP" to model number and \$100 to price.

**Ordering Examples:** FL-505UP, 1" flowmeter, 0.5 to 5 GPM (2 to 20 LPM) range, \$599.  
 FL-550UP, 1.5" flowmeter, 5 to 50 GPM (20 to 200 LPM) range, \$1016.

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