



SMARTLINK[®] SLFSI-T FLOW SENSOR



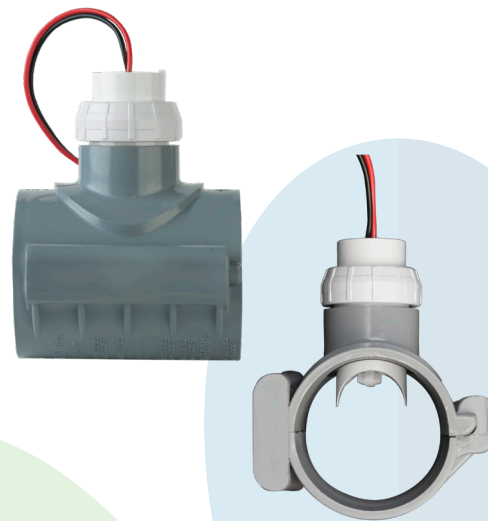
Weathermatic[®] introduces the SLFSI-S, a new series of saddle type flow sensors for 3 and 4 inch PVC pipe.

The SLFSI-S wires directly to the SmartLink™ Aircard with Flow, enabling web-based flow management from your SmartPhone, Tablet, or Computer.

The saddle type sensors utilize the same flow sensor insert used in the tee type SLFSI-T Series sensors.

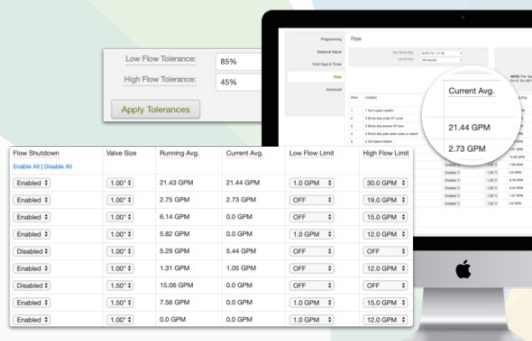
The insert, held in place with a retaining nut, contains the detection circuitry and carries the unique four-bladed ultra light impeller on a transverse axle.

The insert mounts in a housing that controls the depth and alignment of the impeller, unlike insert type sensors that may be mis-aligned or set to the wrong depth. The housing is permanently attached to the PVC saddle; therefore, no additional mounting hardware is required.

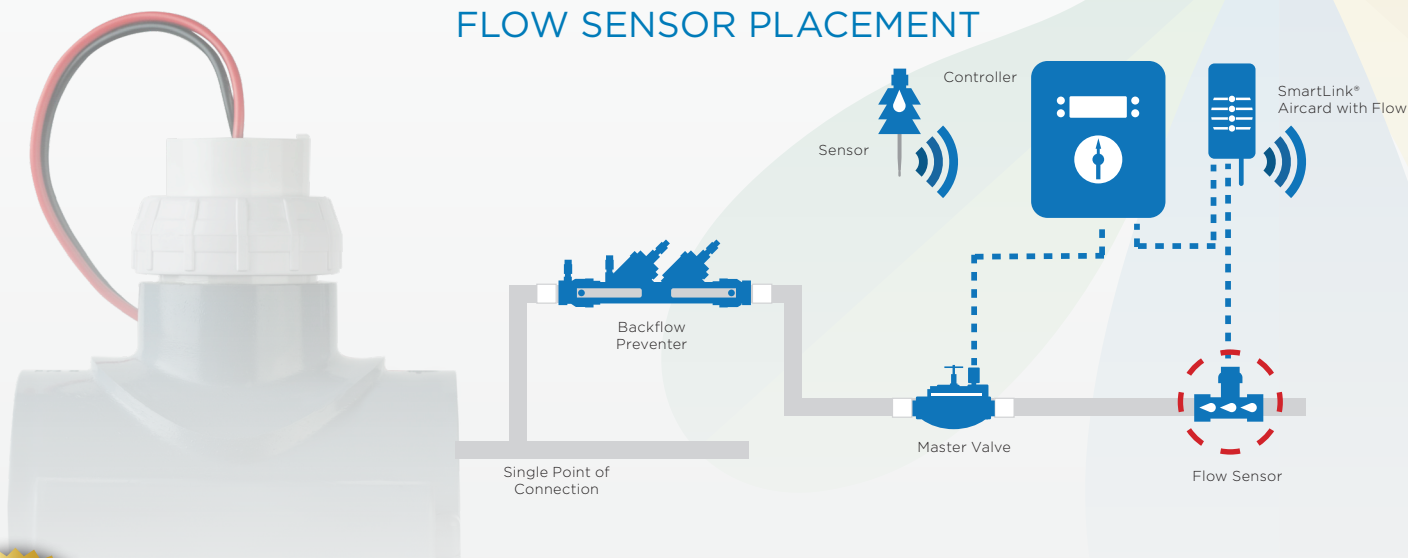


SLFSI-S Flow Sensor Specifications

MODEL	DESCRIPTION	INTERNATIONAL MODEL
SLFSI-S30	3" (76mm) Saddle Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-S30
SLFSI-S40	4" (102mm) Saddle Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-TS40
SLFSI-S60	6" (152.4 mm) Saddle Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-TS60



FLOW SENSOR PLACEMENT



1,000 gallons given per sensor

Our mission is to deliver clean drinking water to thousands of families in need, and to inspire our partners to put water first in irrigation, design, installation, and maintenance.





SMARTLINK[®] SLFSI-T FLOW SENSOR

SLFSI-S

Saddle Type Tee Flow Sensor

FLOW RANGE

3" saddle: 6 to 300 gpm
4" saddle: 10 to 480 gpm
6" saddle: 45 to 1100 gpm

PRESSURE RATING

150 psi @ 90 °F

DIMENSIONS

SIZE	LENGTH	WIDTH	HEIGHT
3"	5" (127 mm)	5.5" (140 mm)	6.5" (165 mm)
4"	5" (127 mm)	6.5" (165 mm)	7.5" (190 mm)
6"	5" (127 mm)	8.5" (216 mm)	9.75" (248 mm)

SmartLink[™] Flow Sensor Model Nominal Pipe Size

		SLFSI-S30 3"	SLFSI-S40 4"	SLFSI-S60 6"
	Feet/Sec	GPM	GPM	GPM
Minimum Flow	0.25	6	10	23
	1	25	40	90
	2	50	80	180
	3	75	120	270
	5	125	200	450
	7	175	280	630
	10	250	400	900
	12	300	480	-
Maximum Flow	15	-	-	-
Friction Loss at Max Flow		0.15 psi	0.15 psi	0.07 psi

Flow Sensor Specifications

PROFESSIONAL MATERIALS

Impeller - HDPE (High Density Polyethylene)
Shaft - Tungsten Carbide
O-ring - Buna-N
Saddle, Sensor Housing, Retaining Nut - Type 1 PVC

TEMPERATURE RANGE

32 ° F to 140 ° F (0 ° to 60 ° C)

OUTPUT SIGNAL

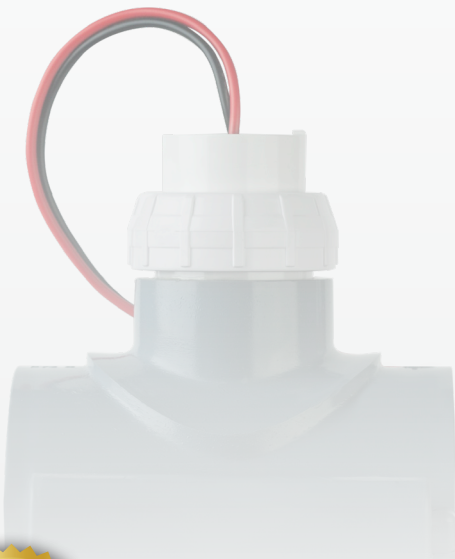
Frequency Range: 0.3 Hz to 200 Hz
Output Pulse: 5 ms +/-25%

TRANSDUCER PERFORMANCE

Quiescent current: 600 uA@8 VDC to 35 VDC max.
Quiescent voltage: (VHigh)= Supply Voltage - (600uA X Supply Impedance)
On State: (VLow)= Max. 1.2 VDC@50mA current limit, (10Ω +0.7VDC)

ELECTRICAL CABLE

2 single conductor solid copper U.L. listed #18 AWG leads with direct burial insulation
Lead length: 48 inches
Wiring may be extended up to 2,000 feet with direct burial, twisted pair shielded cable



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