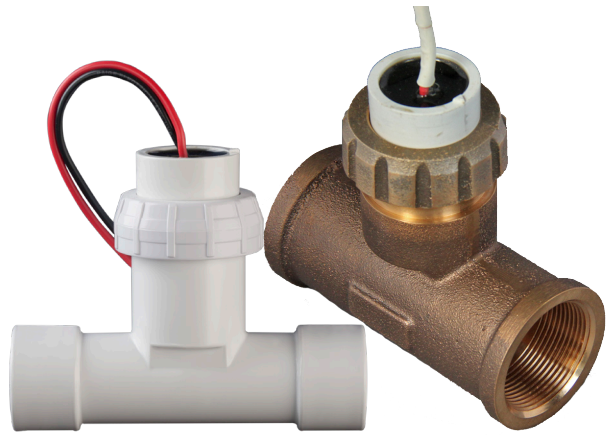




The SmartLink Flow Sensors are designed specifically for the irrigation industry. The flow sensors wire directly to the SmartLink® Aircard with Flow, enabling web-based flow management from your SmartPhone, Tablet, or Computer.

Features:

- ☑ Threaded retaining nut makes it easier to service in a valve box
- ☑ The molded mounting tee provides consistent measurements and overall improved performance
- ☑ Four bladed lightweight impeller is sensitive enough to measure lower flow rates
- ☑ Smart electronics capable of better signal filtering
- ☑ Affordable enough to install on nearly all new and old systems



Flow Shutdown	Valve Size	Running Avg.	Current Avg.	Low Flow Limit	High Flow Limit
Enabled []	1.00" []	21.43 GPM	21.44 GPM	1.0 GPM []	30.0 GPM []
Enabled []	1.00" []	2.75 GPM	2.73 GPM	OFF []	19.0 GPM []
Enabled []	1.00" []	6.14 GPM	0.0 GPM	OFF []	15.0 GPM []
Enabled []	1.00" []	5.82 GPM	0.0 GPM	OFF []	12.0 GPM []
Disabled []	1.00" []	5.29 GPM	5.44 GPM	OFF []	OFF []
Enabled []	1.00" []	1.31 GPM	1.06 GPM	OFF []	12.0 GPM []
Disabled []	1.00" []	15.06 GPM	0.0 GPM	OFF []	OFF []
Enabled []	1.00" []	7.56 GPM	0.0 GPM	1.0 GPM []	15.0 GPM []
Enabled []	1.00" []	0.0 GPM	0.0 GPM	1.0 GPM []	12.0 GPM []

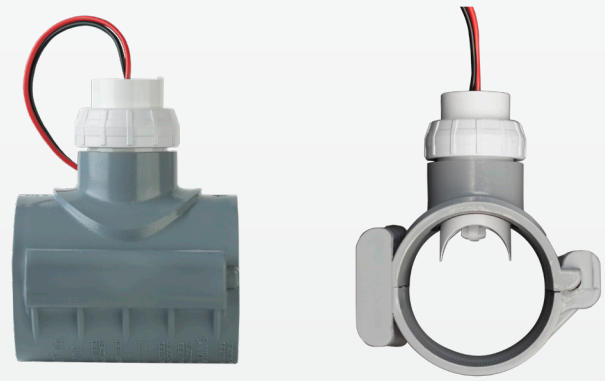
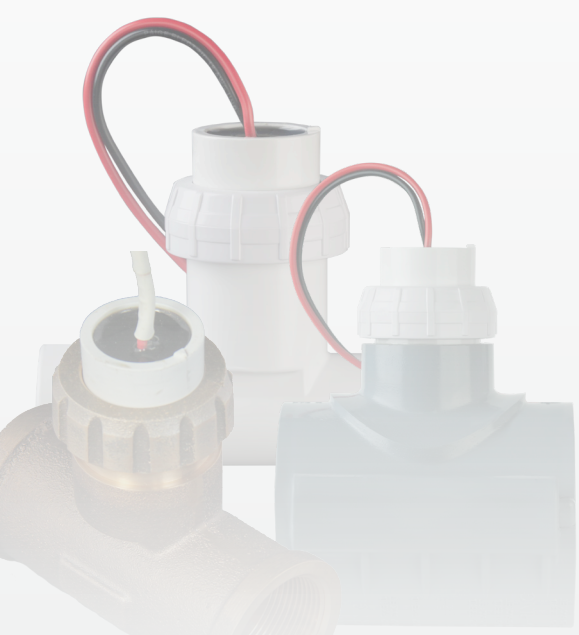
SADDLE TYPE FLOW SENSORS

The SLFSI-S is a series of saddle type flow sensors for 3, 4 and 6 inch PVC pipe.

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-T



SLFSI-S



SLFSI-B

Type	Slip				Saddle			Brass Threaded	
Flow Range	0.25 to 15 FPS				3" saddle: 6 to 300 gpm 4" saddle: 10 to 480 gpm 6" saddle: 45 to 1100 gpm			0.50 to 15 FPS 3 to 90 GPM (11 to 340 LPM)	
Pressure Rating	240 PSI Maximum working pressure				150 psi @ 90° F			250 PSI Maximum working pressure	
Professional Materials	Impeller - HDPE (High Density Polyethylene) Shaft - Tungsten Carbide O-ring - Buna-N Saddle, Sensor Housing, Retaining Nut - Type 1 PVC				Impeller - HDPE (High Density Polyethylene) Shaft - Tungsten Carbide O-ring - Buna-N Saddle, Sensor Housing, Retaining Nut - Type 1 PVC			Impeller - HDPE (High Density Polyethylene) Mounting Tee & Retaining Nut - Lead Free Bronze Alloy C89833 Federalloy I-836 Shaft - Tungsten Carbide O-ring - Buna-N Sensor Insert - Type 1 PVC	
Temperature Range	32° F to 140° F (0° to 60° C)				32° F to 140° F (0° to 60° C)			32° F to 140° F (0° to 60° C)	
Output Signal	Frequency Range: 0.3 Hz to 200 Hz Output Pulse: 5 ms +/-25% Quiescent current: 600 uA@8 VDC to 35 VDC max.				Frequency Range: 0.3 Hz to 200 Hz Output Pulse: 5 ms +/-25% Quiescent current: 600 uA@8 VDC to 35 VDC max.			Frequency Range: 0.3 Hz to 200 Hz Quiescent current: 120 uA@8 VDC to 35 VDC max.	
Transducer Performance	Quiescent voltage: (VHigh)= Supply Voltage - (600uA X Supply Impedance) On State: (VLow)= Max. 1.2 VDC@50mA current limit, (10Ω +0.7VDC)				Quiescent voltage: (VHigh)= Supply Voltage - (600uA X Supply Impedance) On State: (VLow)= Max. 1.2 VDC@50mA current limit, (10Ω +0.7VDC)			Off State: (VHigh)= Supply Voltage - (120uA X Source Resistance) On State: (VLow)= Max. 0.85 Volts@ 50mA, (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				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			Standard electronics -001 version is equipped with 2 single conductor solid copper #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	
Dimensions	SIZE	LENGTH	DIAMETER	HEIGHT	LENGTH	DIAMETER	HEIGHT	LENGTH OVERALL	6.188" (157 mm)
	1"	5.625" (143 mm)	1.710" (43 mm)	3.487" (88 mm)	3"	5" (127 mm)	5.5" (140 mm)	LENGTH WITH RETAINING NUT	2.5" (64 mm)
	1 1/2"	6.188" (157 mm)	2.310" (58 mm)	5.097" (130 mm)	4"	5" (127 mm)	6.5" (165 mm)	LENGTH TEE ONLY	4.125" (105 mm)
	2"	7.00" (178 mm)	2.875" (73 mm)	4.573" (116 mm)	6"	5" (127 mm)	8.5" (216 mm)	LENGTH WITH INSERT & NUT	5.125" (130 mm)

SLFSI-T FLOW SENSOR SPECIFICATIONS

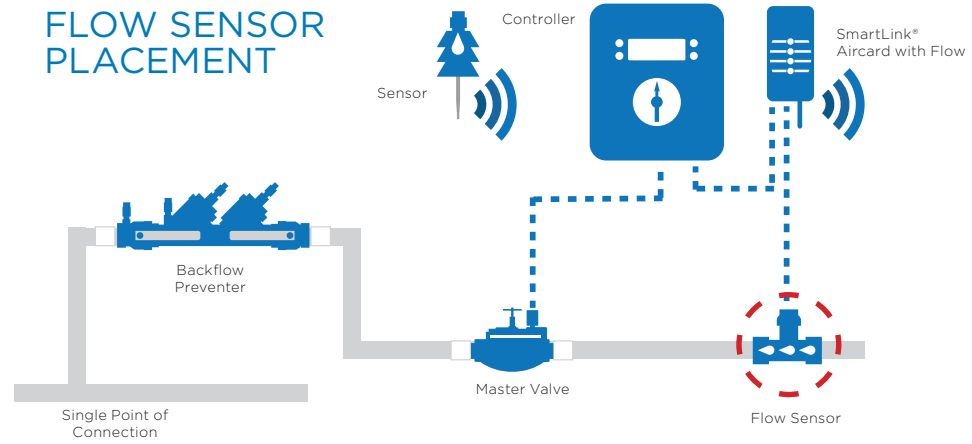
MODEL	DESCRIPTION	INTERNATIONAL MODEL
SLFSI-T10	1" Slip Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-T10
SLFSI-T15	1 1/2" Slip Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-T15
SLFSI-T20	2" Slip Type Tee Insert Flow Sensor - Used with the SmartLink Flow Aircard	E-SLFSI-T20

SLFSI-B FLOW SENSOR SPECIFICATIONS

MODEL	DESCRIPTION
SLFSI-B15	1 1/2" Brass Threaded Type Tee Insert Flow Sensor - Used with the SmartLink® Flow Aircard

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



SMARTLINK™ FLOW SENSOR MODEL NOMINAL PIPE SIZE

		SLFSI-T10 1"	SLFSI-T15 1 1/2"	SLFSI-T20 2"	SLFSI-S30 3"	SLFSI-S40 4"	SLFSI-S60 6"	SLFSI-B15 1 1/2"
	Feet/Sec	GPM	GPM	GPM	GPM	GPM	GPM	GPM
Minimum Flow	0.25	0.86	1.8	2.8	6	10	23	-
	1	3.5	7.24	11.3	25	40	90	5.5
	2	7	14.5	23	50	80	180	11
	3	10.4	22	34	75	120	270	16.5
	5	17	36	57	125	200	450	27.5
	7	24	51	79	175	280	630	38.5
Maximum Flow	10	35	72	113	250	400	900	55
	12	42	87	136	300	480	-	66
	15	52	108	170	-	-	-	83
Friction Loss at Max Flow		0.25 psi	0.18 psi	0.15 psi	0.15 psi	0.15 psi	0.07 psi	0.18 psi