



Flow Sensor

Smart Irrigation
From the Ground Up

(800) 272-7472
www.tucor.com

The Tucor® FS Series flow sensors are impeller-type insertion meters designed for use in pipe sizes 1" to 40". They feature a six-bladed impeller design with a proprietary, non-magnetic sensing mechanism. The forward-swept impeller shape provides higher, more constant torque that improves operation and repeatability at lower flow rates. As the impeller turns a signal is transmitted with a frequency proportional to the flow rate. FS-100 model is supplied with a brass/bronze Tee, and FS-150 through FS-400 models are supplied with Schedule 80, PVC Tees. A brass

insert version, FS-IN, is available for use with pipe saddles (2.5" – 40") having a 2" NPT thread. The FS-100 is a brass Tee.

When used with Flowmaster controllers (TWC, NV, COM, Procom), the flow sensors are connected with an SD-100 Sensor Decoder anywhere along the 2-wire path. When used with the RKD or RKS, the flow sensor is connected directly to the controller, up to a maximum distance of 2000' with appropriate cable.

SPECIFICATIONS

Model	Pipe Size (in.)	Flow range (GPM)	Style
FS-100	1	2-40	Brass
FS-150	1.5	5-100	PVC T
FS-200	2	10-200	PVC T
FS-300	3	20-300	PVC T
FS-400	4	40-500	PVC T
FS-IN	2.5 - 40	Depends on pipe	Brass

Calibration Factors: The Tucor controller counts the number of pulses received from the flow sensor over a running ten second period. This evens out any spikes or quick surges in the reading. The number of pulses corresponds to the flow, based on the calibration values entered. RKD/RKS setup includes built-in choices for the FS-100 - FS-400. "Custom" is used for others. Flowmaster controllers use the following:

Model	Flow	@
FS-100	20	504
FS-150	35	187
FS-200	55	198
FS-300	125	148
FS-400	200	128
FS-IN	Call Tucor [†]	-

All sensors include 20' of cable.

APPLICATION:
FlowMaster (NV, TWC, PROCOM, COM)*
RKS, RKD †

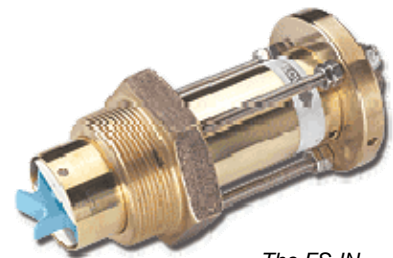
[†] Depends upon the pipe size and type.

* Requires SD-100; installed on the 2-wire path.

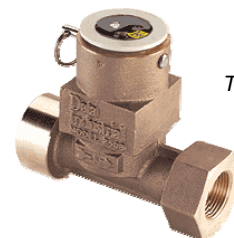
[†] Direct wire to the RKD/RKS, up to 2000'.



The FS-150 – FS-400



The FS-IN



The FS-100