



FS-100, -150, -200, -300 & -400 TUCOR® FLOW SENSOR

Tucor® FS Series flow sensors are impeller-type insertion meters designed for use in pipe sizes 1" to 8". 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. This signal can travel between the flow sensor and a Tucor Sensor Decoder without the need for amplification or other signal-conditioning devices. 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 is available with pipe saddles (in 4", 6" and 8" sizes).



FS-400 Flow Sensor

SPECIFICATIONS (PVC):

Temperature	140F @ 40psi
Pressure	100psi @68
Flow Range	1 to 30 feet/sec.
Accuracy	+/-1% of ufill scale
Repeatability	+/- 0.5%
Linearity	+/- 0.5%
Housing:	Fabricated from Schedule 80 PVC, meets ASTM D-2462 – D- 2467.
Impeller & Bearing	Tefzel
Shaft	Zirconia Ceramic
O-Rings	Vitron
Cable Length	48"

OPTIONS:

Fittings	Brass/bronze and cast iron Tees
Saddles	4", 6", and 8"

ORDERING CONFIGURATIONS:

FS-100	1" Brass/Bronze Tee
FS-150	1 ½" Sch 80 PVC Tee
FS-200	2" Sch 80 PVC Tee
FS-300	3" Sch 80 PVC Tee
FS-400	4" Sch 80 PVC Tee
FS-IN	Insert flow sensor, brass, for saddle use.
Saddles	Consult factory for size and types of available saddles.