

# NSF APPROVED TURBINE



## FTB-430 Series



- ✓ Measures Flow Rates from 0.2 to 4 GPM
- ✓ Lightweight Plastic Design for Multiple Mounting Positions
- ✓ High Accuracy:  $\pm 2\%$  of Reading
- ✓ High Repeatability:  $\pm 0.5\%$  of Reading
- ✓ Over-Molded Electronics with Integral Cable Strain Reinforcement

The FTB-430 Series is a highly accurate and repeatable, hall effect turbine flow sensor designed for low flow OEM applications. This low cost, NSF Standard 61 listed flow sensor is ideal for water or beverage dispensing applications or any application with water based liquids. The 316SS shaft coupled with Polyoxymethylene bearings allows for accurate measurements during quick dispensing cycles. The sensor's standard power and output specifications make it easy to retrofit existing controllers.

### SPECIFICATIONS

#### Materials:

Body glass reinforced PPO  
Turbine PA composite (nylon)  
Axle 316 stainless steel  
Bearings Polyoxymethylene, POM

**Inlet/Outlet Ports:**  $\frac{3}{8}$  NPT male

#### Pressure:

**Operating:** 200 PSIG

**Burst:** 1000 PSIG

**Operating Temperature:** -20 to 80°C (-4 to 176°F)

**Viscosity:** 32 to 81 SSU (1.8 to 16 centistokes)

**Recommended Filtration:** < 50 microns

**Input Power:** 5 to 24 Vdc @ 8 mA

**Output (Hz):** NPN sinking open collector @ 25 mA

#### Pulses per Gallon:

**FTB-431:** 10,313

**FTB-432:** 4994

**Maximum Leakage Current:** 10 $\mu$ A (5 to 30k pull-up resistor required)

**Accuracy:**  $\pm 2\%$  of reading

**Repeatability:**  $\pm 0.5\%$  of reading

**Electrical Connection:** 0.91 (3') PVC cable #22 AWG

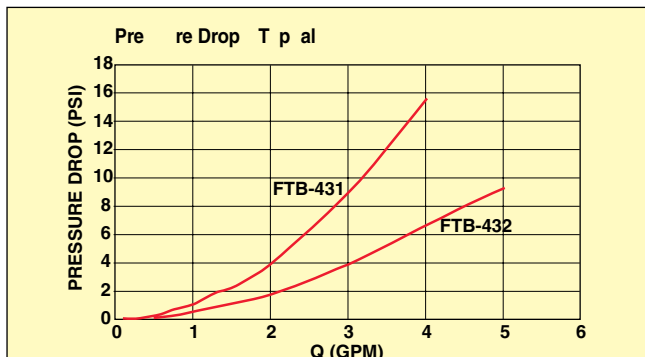
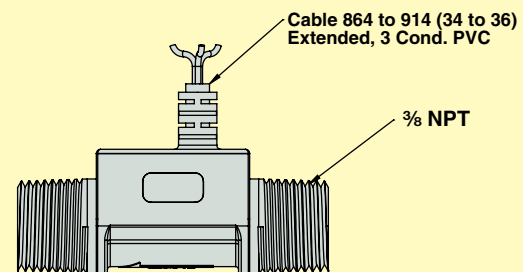
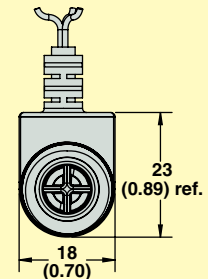
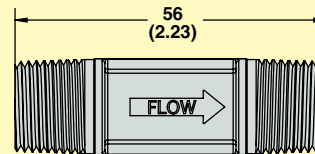
**Approvals:** NSF standard 61 listed



FTB-431 shown actual size.

Dimensions: mm (inch)

NSF Approved



### To Order

Model No.	Description
FTB-431	NSF approved low flow turbine, 0.2 to 2.0 GPM, 10,313 PPG
FTB-432	NSF approved low flow turbine, 0.4 to 4.0 GPM, 4994 PPG

Comes complete with operator's manual.

**Ordering Example:** FTB-431, NSF approved low flow turbine, 0.2 to 2.0 GPM, 10,313 PPG.