

Turbine Flow Meters

Stainless Steel Flange Mount

FTB700-S Series



- ✓ **High-Accuracy Machined Turbine Internals Removable with Meter in Line**
- ✓ **Standard Meter Bodies are Flanged**

OMEGA® FTB700-S Series turbine meters have a unique system of precisely-machined helical rotors and high-quality jewel bearings. The rotor is the only moving part. Small magnets on the rotor hub are electronically detected by a solid state Hall-effect sensor outside the wetted area. The turbine rotor uses journal-type sapphire and ruby bearings for minimum friction and maximum life. These bearings are ideal for long life in water and water-based fluids, and they have exceptional low-flow characteristics. The entire rotor assembly (rotor, hubs, bearings, rotor strut) can be removed from the meter as a single unit without removing the meter from the pipe.

Specifications

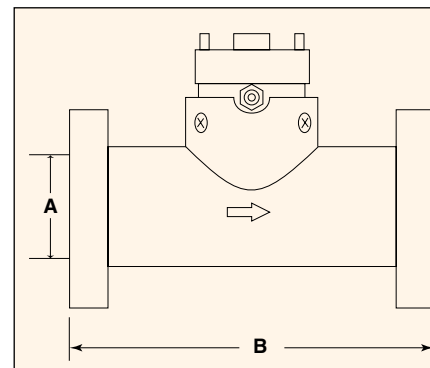
Maximum Working Pressure: 200 psi stainless steel
Maximum Temperature:
Stainless Steel: 93°C (200°F)
Accuracy: ±1% FS
Signal: Squarewave pulse
Power: 6 to 24 Vdc

Materials

Meter Body: Stainless steel
Flanges: 150# ANSI
Turbine Rotor: PVDF
Rotor Shafts: Zirconia ceramic
Bearings: Sapphire journal, ruby ball
FTB700-T (Optional Blind Transmitter)
Output: 4 to 20 mA
Loop Power: 12 to 26 Vdc (isolated)
Accuracy: ±1%
Response Time: 3 sec, 95% FS



FTB730-S, shown with DPF143P and DPF140-W2M sold separately, smaller than actual size.



To Order

Model No. Stainless Steel	Flow GPM	Pulses/Gal	Pipe Size "A" mm (inch)	Length "B" mm (inch)
FTB720-S	2 to 150	60	51 (2)	254 (10)
FTB730-S	3 to 400	10	76 (3)	305 (12)
FTB740-S	6 to 600	5	102 (4)	356 (14)
FTB760-S	12 to 1200	2	152 (6)	457 (18)
FTB780-S	30 to 3000	2	204 (8)	508 (20)

Accessories

Model No.	Description
FTB700-T	Blind 4 to 20 mA transmitter
PSU-93	24 Vdc power supply

Comes complete with 5.5 m (18') cable and operator's manual.