

SANITARY TURBINE FLOW METERS

3-A Label for Process Liquid Measurement

FTB-400A Series



- ✓ Meets 3-A Sanitary Standard No. 28-01
- ✓ Sizes Available, from ¼ to 3"
- ✓ Flow Rates from 0.35 to 650 GPM
- ✓ Suitable for Cleaning in Place (CIP)

OMEGA's FTB400 Series sanitary design turbine flow meter is accepted as meeting 3-A sanitary standard no. 28-01 for measurement of process liquids where highly sanitary standards are required. The meter is available in sizes from ¼ to 3" with standard Tri-Grip™ (Tri-Clamp® compatible) fittings, covering flowrates from 0.35 to 650 GPM. The design of flow meter and materials of construction are suitable for cleaning in place (CIP).



FTB-406A, shown smaller than actual size.



Use the FTB-400A Series turbine flow meter with the DPF701 Series flow indicator.

SPECIFICATIONS

Accuracy & Linearity:
±0.5% of reading or better

Repeatability:
±0.1% of reading or better

Temperature Range:
-268 to 232°C (-450 to 450°F)

Signal Output:
10 mV rms or greater into a 10 kΩ load at minimum flowrate

Materials of Construction: 316 SS except as noted below:

Rotor: 17-4 PH SS
Retaining Rings: 15-7 MO PH SS
Bearings: Hard carbon composite

For compatible meters; DPF701, DPF402, DPF70 with FLSC-AMP, DPF10, FC20, 21, 22, visit OMEGA

To Order

Model No.	Tri-Grip™ Size (inch)	Flow meter Size (inch)	Linear Flow Range (US GPM)	Length mm (inch)	Nominal K-Factor (pulses/gal)	Weight kg (lb)
FTB-401A	1½	¼	0.35 to 3.5	90 (3.56)	15000	1.4 (3)
FTB-402A	1½	⅜	0.75 to 7.5	90 (3.56)	8900	1.4 (3)
FTB-403A	1½	½	1.25 to 9.5	90 (3.56)	5800	1.4 (3)
FTB-404A	1½	⅝	1.75 to 16	90 (3.56)	5200	1.4 (3)
FTB-405A	1½	¾	2.5 to 29	83 (3.25)	2200	1.4 (3)
FTB-406A	1½	1	4 to 60	90 (3.56)	840	1.4 (3)
FTB-407A	1½	1¼	6 to 93	117 (4.59)	400	2.3 (5)
FTB-408A	1½	1½	8 to 130	117 (4.59)	230	2.7 (6)
FTB-409A	2	2	15 to 225	154 (6.06)	120	3.2 (7)
FTB-410A	3	2½	25 to 400	254 (10.00)	95	3.6 (8)
FTB-411A	4	3	40 to 650	254 (10.00)	45	4.5 (10)

Comes complete with operator's manual and 10 point NIST calibration certificate.

Ordering Examples: FTB-406A, 1" flow meter with 1½" clamp size, 4 to 60 GPM flow rate.

FTB-402A, ⅜" flow meter, with 1½" clamp size, 0.75 to 7.5 GPM flow rate.