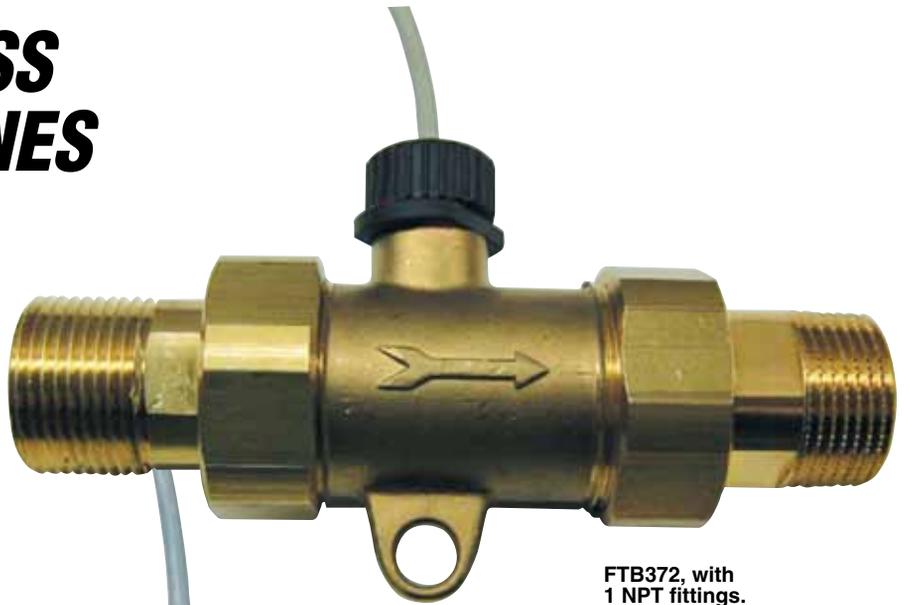


DURABLE BRASS WATER TURBINES

FTB370 Series



- ✓ Compact Design
- ✓ Wide Turn Down Ratio
- ✓ High Quality Sapphire Bearing
- ✓ Fixed Pulse Rate
- ✓ NEMA 3 (IP54)
- ✓ Economical
- ✓ Uniform Bearing Load Design Minimizes Bearing Wear



FTB372, with 1 NPT fittings.



FTB371, with 3/4 NPT fittings.



FTB373, with 1 1/2 NPT fittings.

All models shown smaller than actual size.

The FTB370 Series flow turbines are designed for flow rate measurement of water and many water based liquids. They are compact in design and have a wide measuring range. The liquid flowing into the FTB370 series is divided by guiding blades into four split streams. The uniform loading of the bearings from four sides causes the forces to cancel themselves out and wear gets reduced to a minimum. The extremely hard bearing materials also ensure an extraordinary life expectancy.

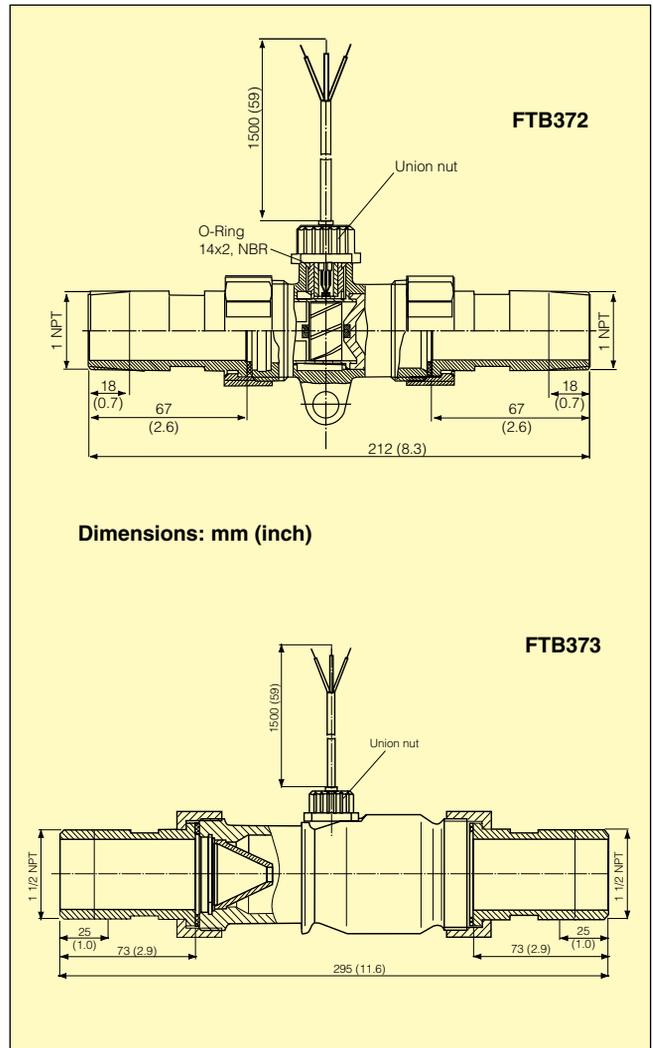
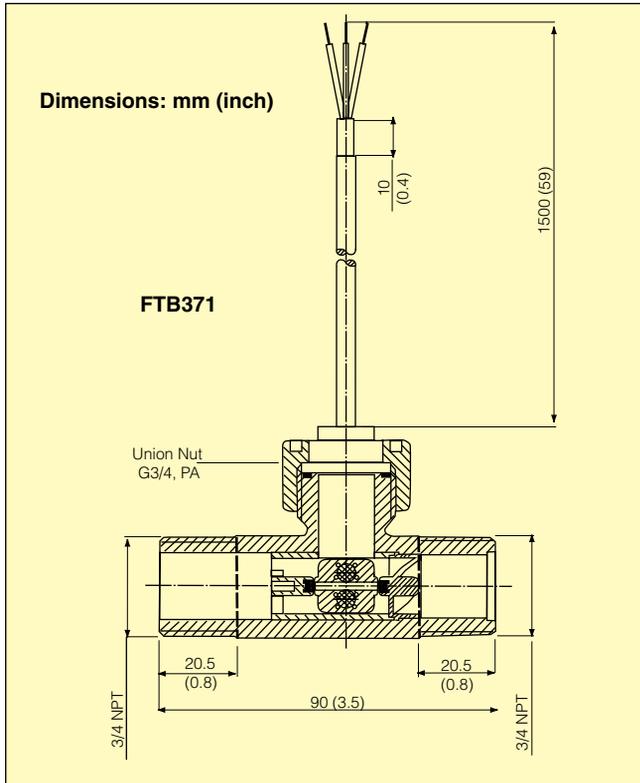
SPECIFICATIONS

Accuracy: ±3% of reading
Repeatability: ±0.5%
Output: NPN open collector (hall effect)
K-Factor [Pulses/Liter (Gallon)]:
 FTB371: 869 (3289)
 FTB372: 68 (258)
 FTB373: 27 (102)
Maximum Temperature:
 85°C (185°F) [at 0.689 bar (10 psi)]
Maximum Pressure:
 9.997 bar (145 psi) [at 29.4°C (85°F)]
Power Supply:
 5 to 24 Vdc (20 mA maximum)

Cable: 1.5 m (5'), integral
Protection: NEMA 3 (IP54)
Maximum Particle Size:
 0.508 mm (0.02")
Wetted Materials
Brass Body: CW602N
Sensor Housing: Polypropylene Noryl®, GFN1630V
Magnets: Recona 28 nickel-plated
Rotor: Polypropylene Noryl®, GFN1520V
O-Ring: EPDM
Bearings: Sapphire/PA
Shaft:
 FTB371: Arcap AP1D
 FTB372: 316 SS
 FTB373: SS904L



DPF700 Series shown smaller than actual size.



Dimensions/Range

Model No.	Fittings NPT	Length mm (inch)	Diameter mm (inch)	Height mm (inch)	Range LPM (GPM)
FTB371	3/4	90 (3.5)	38 (1.5)	58 (2.3)	1.9 to 39.4 (0.5 to 10.4)
FTB372	1	203 (8.0)	51 (2.0)	89 (3.5)	4.2 to 158 (1.1 to 41.6)
FTB373	1 1/2	292 (11.5)	76 (3.0)	89 (3.5)	50 to 416 (13.2 to 110)

To Order

Model No.	Description	K-Factor PPG (PPL)	Maximum Flow	Pressure Dropout Maximum Flow
			LPM (GPM)	BAR (PSI)
FTB371	3/4 NPT brass water turbine	3289 (869)	39.4 (10.4)	2.2 (32)
FTB372	1 NPT brass water turbine	258 (68)	158 (41.6)	0.45 (6.5)
FTB373	1 1/2 NPT brass water turbine	102 (27)	416 (110)	1.8 (26)

Accessories

Model No.	Description
DPF701	6-digit rate or total display

Comes complete with operator's manual and 1.5 m (5') cable.

Ordering Example: FTB371, 3/4 NPT brass water turbine, DPF701, 6-digit rate or total display.