



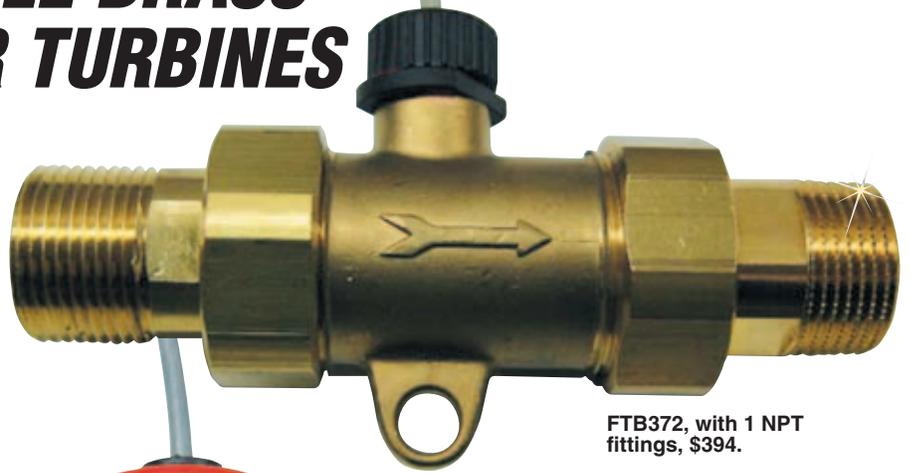
DURABLE BRASS WATER TURBINES

FTB370 Series Starts at

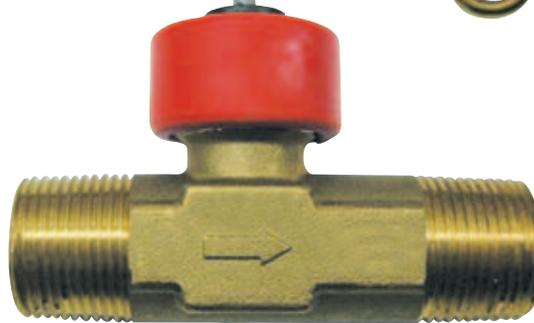
\$284



- ✓ 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, \$394.



FTB371, with 3/4 NPT fittings, \$284.

All models shown smaller than actual size.



FTB373, with 1 1/2 NPT fittings, \$566.

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.

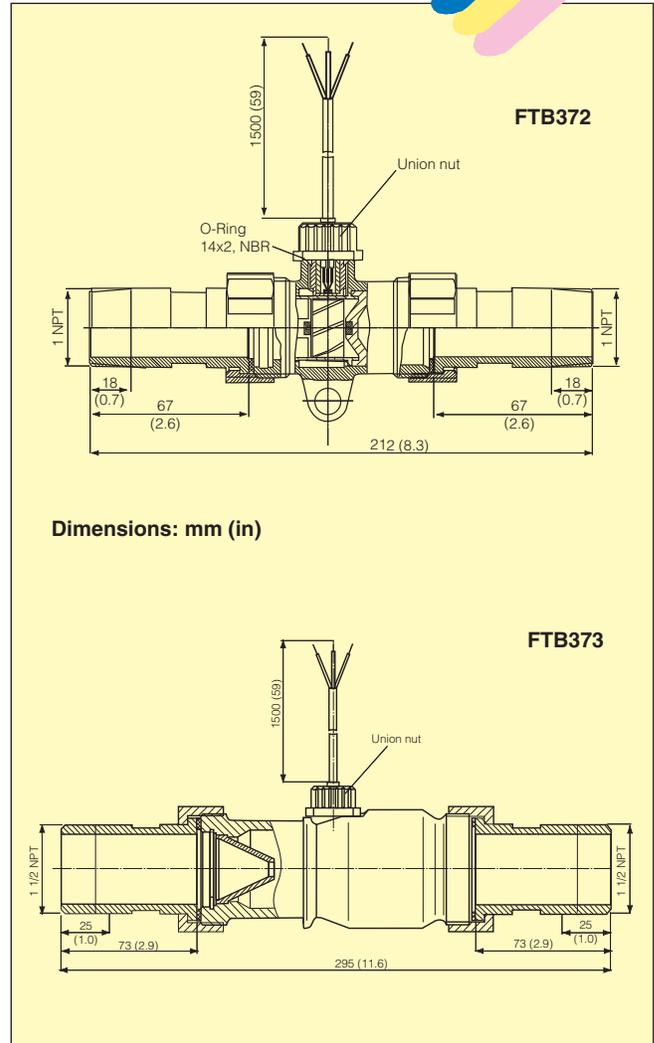
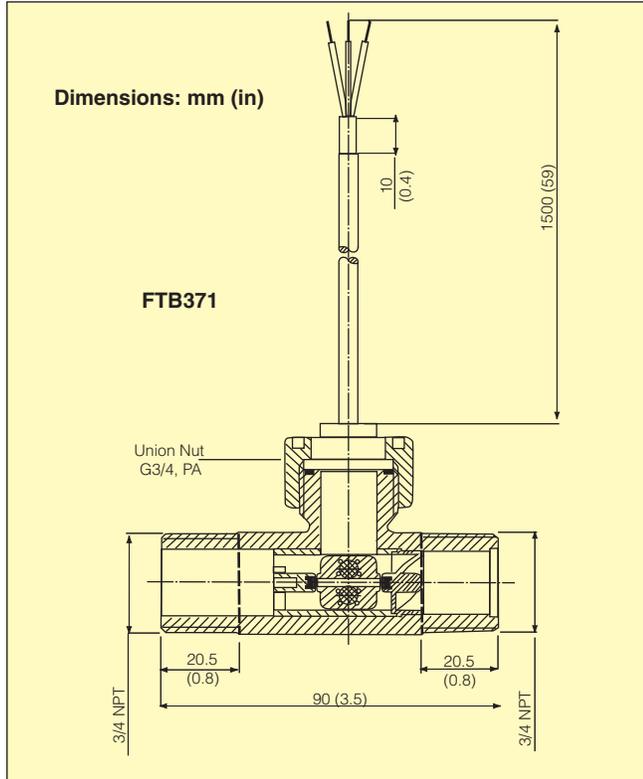
SPECIFICATIONS

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 max)
Cable: 1.5 m (5'), integral

Protection: NEMA 3 (IP54)
Maximum Particle Size:
 0.508 mm (0.02")
Wetted Materials
Brass Body: CuZn36Pb2As, CW602N
Sensor Housing: Polypropylene Noryl®
Magnets: Recona 28 nickel-plated
Rotor: PEI ULTEM®
O-Ring: NBR
Bearings: Sapphire
Shaft:
 FTB371: Arcap AP1D
 FTB372: 316 SS
 FTB373: 316 SS



DPF700 Series, \$260, shown smaller than actual size. See page M-5 for more details.



Dimensions/Range

Model No.	Fittings NPT	Length mm (in)	Diameter mm (in)	Height mm (in)	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)

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)					
Model No.	Price	Description	K-Factor PPG (PPL)	Maximum Flow	Pressure Dropout Max Flow
				LPM (GPM)	BAR (PSI)
FTB371	\$284	3/4 NPT brass water turbine	3289 (869)	39.4 (10.4)	2.2 (32)
FTB372	394	1 NPT brass water turbine	258 (68)	158 (41.6)	0.45 (6.5)
FTB373	566	1 1/2 NPT brass water turbine	102 (27)	416 (110)	1.8 (26)

Accessories

Model No.	Price	Description
DPF701	\$260	6-digit rate or total display, see page M-5 for complete details

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, \$284 + 260 = \$544.

Recommended Reference Book: Engineering Fluid Mechanics, FW-0112, \$103. See Section Y for Additional Books.



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• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters