

LOW FLOW PLASTIC TURBINE



FTB-420 Series



- ✓ Low Flow Rates 0.1 to 2.5 LPM
- ✓ High Accuracy $\pm 3\%$ of Reading
- ✓ Lightweight Turbine Ensures Fast Startup
- ✓ Mounts in Any Orientation

OMEGA's FTB-420 Series features proven turbine technology in a small package for low flow applications. The turbine technology provides a highly repeatable sensor ideally suited for measurement of either volume dispensing and/or flow rate applications. The small turbine reacts quickly to on/off dispensing applications. Each sensor is 100% tested, ensuring long service life.



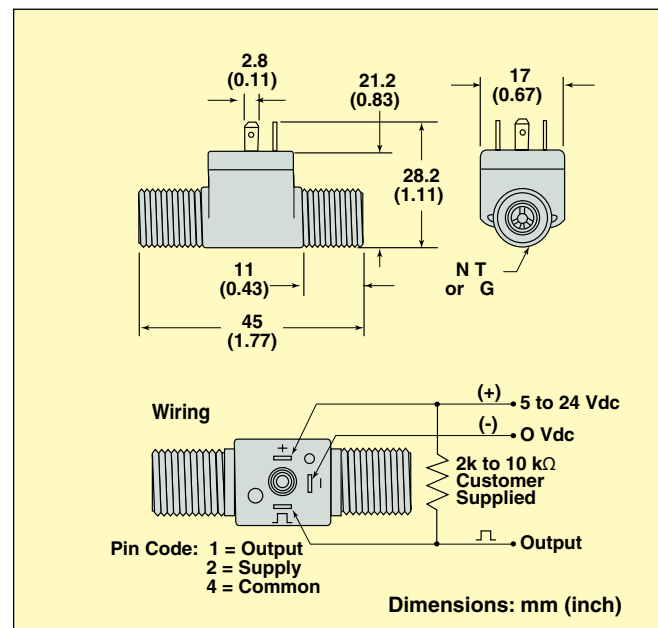
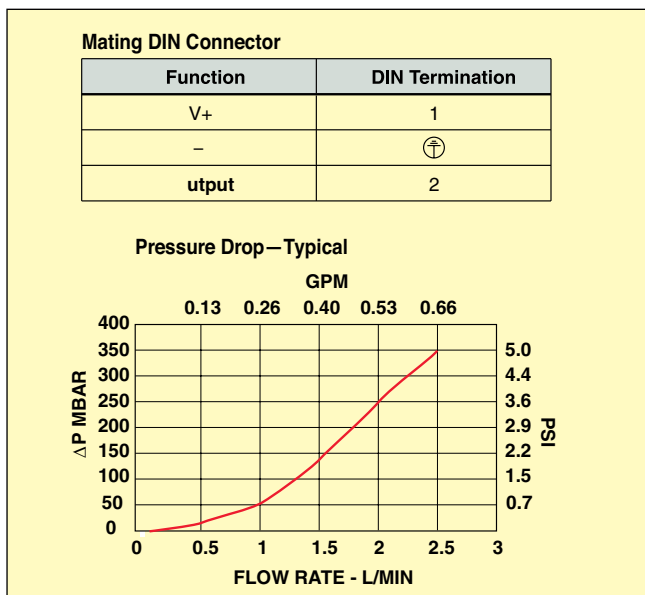
FTB-421 shown actual size.

SPECIFICATIONS

Wetted Materials:

- Body:** Nylon 12 (FTB-421)
- Turbine:** Nylon 12 (FTB-421)
- Bearings:** PTFE/15% graphite
- Operating Pressure:** 24 bar (350 psi)
- Burst Pressure:** 97 bar (1400 psi)
- Flow Range:** 0.026 to 0.65 GPM (0.1 to 2.5 LPM)
- Pulses:** 83,200 per gallon (22,000 per liter)
- Frequency Output:** 36.6 to 917 Hz
- Operating Temperature:** -20 to 100°C (-4 to 212°F)
- Viscosity:** 32 to 70 SSU (0.8 to 16 centistokes)
- Filter:** <50 Microns
- Input Power:** 5 to 24 Vdc
- Output (Hz):** NPN sinking open collector @ 20 mA maximum leakage

- Current:** 10 μ A (3 to 30K pull up resistor required)
- Accuracy:** $\pm 3\%$ of reading
- Repeatability:** 0.5% of full scale
- Electrical Connection:** 9.4 mm spacing 3-pole DIN connector (1" high)
- Inlet/Outlet Ports:** 1/4 NPT or 1/4 G male



To Order

Model No.	Description
FTB-421	Low flow nylon turbine 1/4 NPT
FTB-421G	Low flow nylon turbine 1/4 G thread

Comes complete with DIN connector and operator's manual.
Ordering Example: FTB-421, low flow nylon turbine 1/4 NPT.