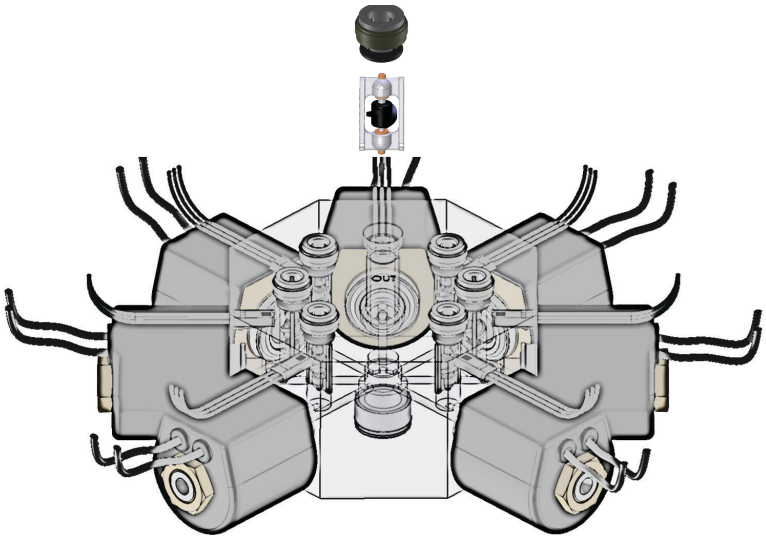
TURBOFLOW®



Continuous Flow Solutions

The compact FT-100 is specifically designed to be easily integrated within a fluid control system. The 316SS shaft and PEEK bearings allow for accurate measurements during quick dispense cycles making the TurboFlow ideal for pump housings, chemical dosing and water dispensing systems.

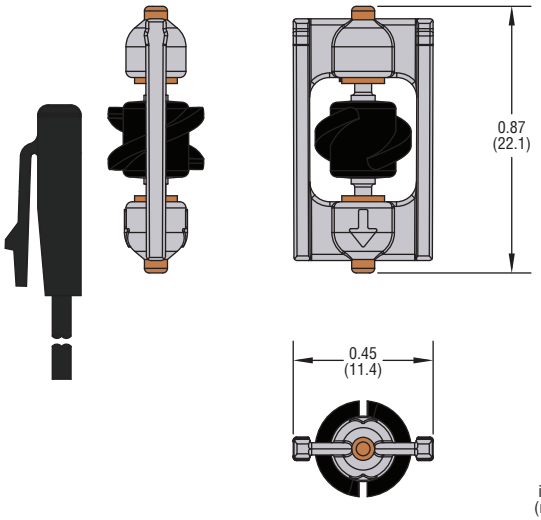
Specifications

All specifications listed are of "typical applications" and do not represent the extreme ranges of applications. For extreme applications consultations are encouraged.

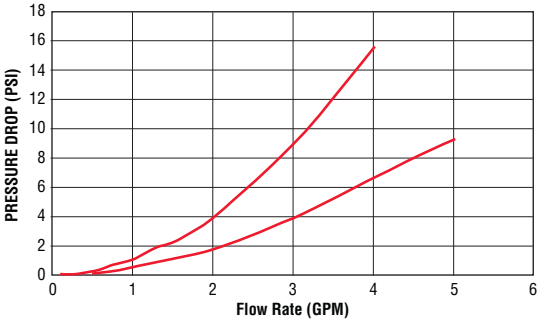
Flow Range	0.2 to 4 GPM (0.8 to 15.1 l/min)
Turn Down Ratio*	10x
Accuracy	±2%
Signal Outputs	
Pulsed DC	25-350Hz
Analog Voltage	0-10Vdc
Current Output	4-20mA
Threshold Switch	20VA
Operating Temperature	-4°F to +185°F (-20°C to +85°C)
Operating Pressure	
Plastic Manifolds	200 PSIG (13.8 bar)
Alloy Manifolds	500 PSIG (34.5 bar)
Wetted Materials	
Turbine	PA Composite
Pin	316 Stainless Steel
Bearing	PEEK
Cage	PPO, Glass Filled
Maximum Viscosity (To maintain linearity)	32-81SSU
Recommended Filtration (Integrated prefilters available)	50 Microns or Better

* Turn down ratio is the difference between the lowest and highest flow range the system operates within the linear range. i.e. If the porting is designed to go as low as 0.1 GPM the highest reading would be 1.0 GPM.

Typical Space Requirements



Typical Pressure Drop



For current information on this or other Gems Integrated Solutions, please visit...

GemsSensors.com/fluidic-systems/integrated-sensors

Gems™ Sensors & Controls