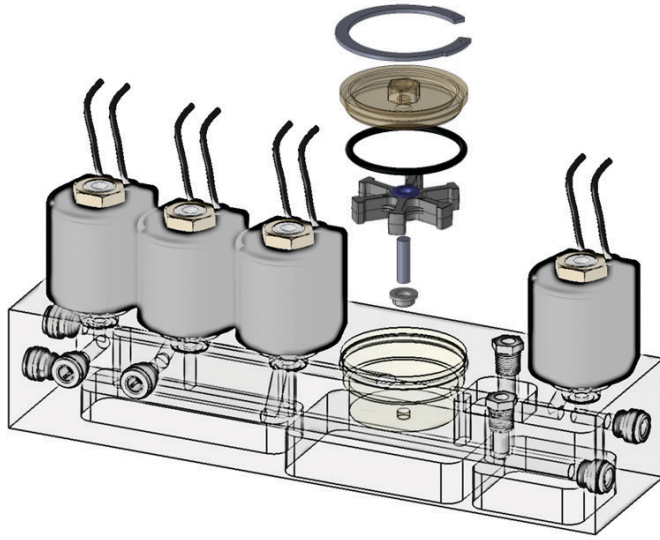




Integrated Sensor Solutions

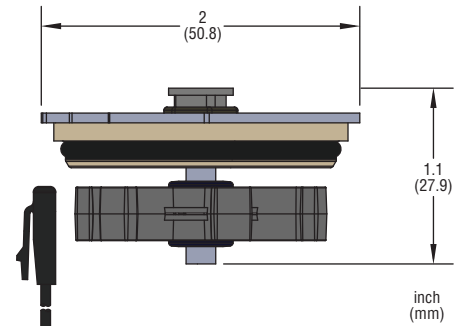
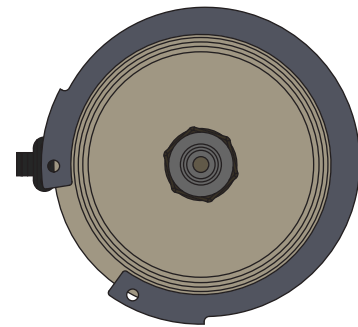
ROTORFLOW®



Continuous Flow Solutions

Debris tolerant rotor, transparent & field serviceable lens are among the many reasons the RotorFlow has been integrated into a variety of mission critical coolant manifolds.

Typical Space Requirements



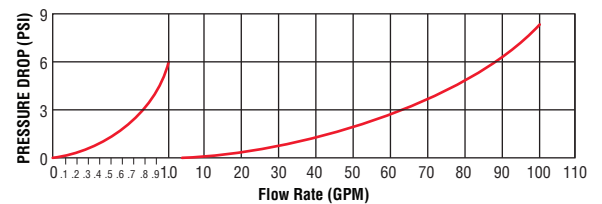
Specifications

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

Flow Range	
Liquid	0.1 to 60 GPM (0.4 to 227.1 l/min)
Turn Down Ratio*	10x
Accuracy	±5%
Signal Outputs	
Pulsed DC	10-225Hz
Analog Voltage	0-10Vdc
Current Output	4-20mA
Threshold Switch	20VA
Operating Temperature	
Plastic Manifolds	-20°F to +180°F (-29°C to +82°C)
Alloy Manifolds	-20°F to +300°F (-29°C to 149°C)
Operating Pressure	
Plastic Manifolds	100 PSIG (6.9 bar)
Alloy Manifolds	500 PSIG (34.5 bar)
Wetted Materials	
Rotor Options	PPS Composite, Nylon / Epoxy
Rotor Pin	Ceramic
Lens Options	Polysulfone, Polypropylene, Stainless Steel
O-ring	FKM or OEM specified
Maximum Viscosity (To maintain linearity)	200SSU
Recommended Filtration (Integrated pre-filters available)	150 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 Pressure Drop



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

GemsSensors.com/fluidic-systems/integrated-sensors

