

FLOWSTAT ES TURBINE FLOW SENSOR

Ideal for monitoring various fluids in applications such as chillers/cooling circuits, HVAC, batching and industrial process control applications.



TECHNICAL SPECIFICATIONS

Measuring Accuracy

2% of full-scale

Repeatability

±0.5% of full-scale

Flow Measuring Range

0.5-15 GPM (2-60 LPM)
With optional low-flow adapter:
.25-4.5 GPM (1-17 LPM)

Turn Down Ratio

10:1

Maximum Operating Pressure

150 PSIG

Maximum Operating Temperature

20-150°F

Standard Calibration Fluid

Tap water @ 70°F Temperature (21°C),
1.0 sg

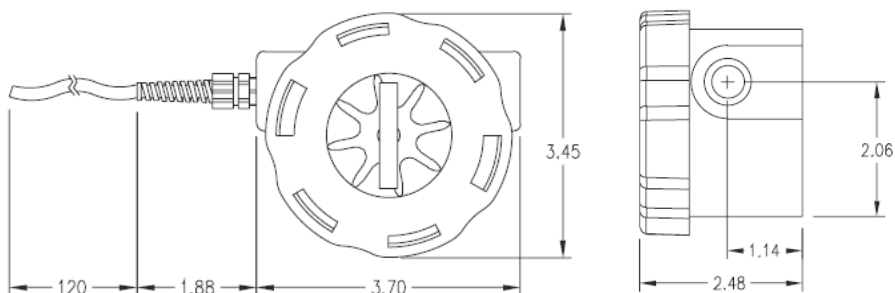
Filtration Requirement

150 Micron Filter recommended

MATERIALS OF CONSTRUCTION

Wetted Components		Non-Wetted Components	
Component	Materials	Component	Materials
Casing	Glass-Filled Polypropylene	Encapsulant	Epoxy
Cover	Clear Polycarbonate	Strain Relief	Nylon
Seal	Buna-N® (Other options available)	Lock Ring	Glass-Filled Polypropylene
Impeller	Acetal Copolymer	Wire Insulation	High-Temperature PVC
Bearing	PEEK (Polyetheretherketone)		
Shaft	Stainless Steel		

Buna-N is a registered trademark of Chemische Werke Huls.



Measurements shown in inches.

BENEFITS

Value Pricing

Low cost operation combined with low cost maintenance, equals better bottom line savings for your operation.

Encapsulated Circuitry

Withstands the harshest environments.

Several Outputs Available

The standard interface is a 2-wire, 4-20mA current loop. Sensor signal may be transmitted on a low cost wire without degradation. Pulse, relay and 0-5 VDC (regulated) are also available.

Connects Directly to your Flow Monitoring Instruments

Can be connected directly to analog acquisition cards, chart recorders or other monitoring instruments, without external signal conditioning.

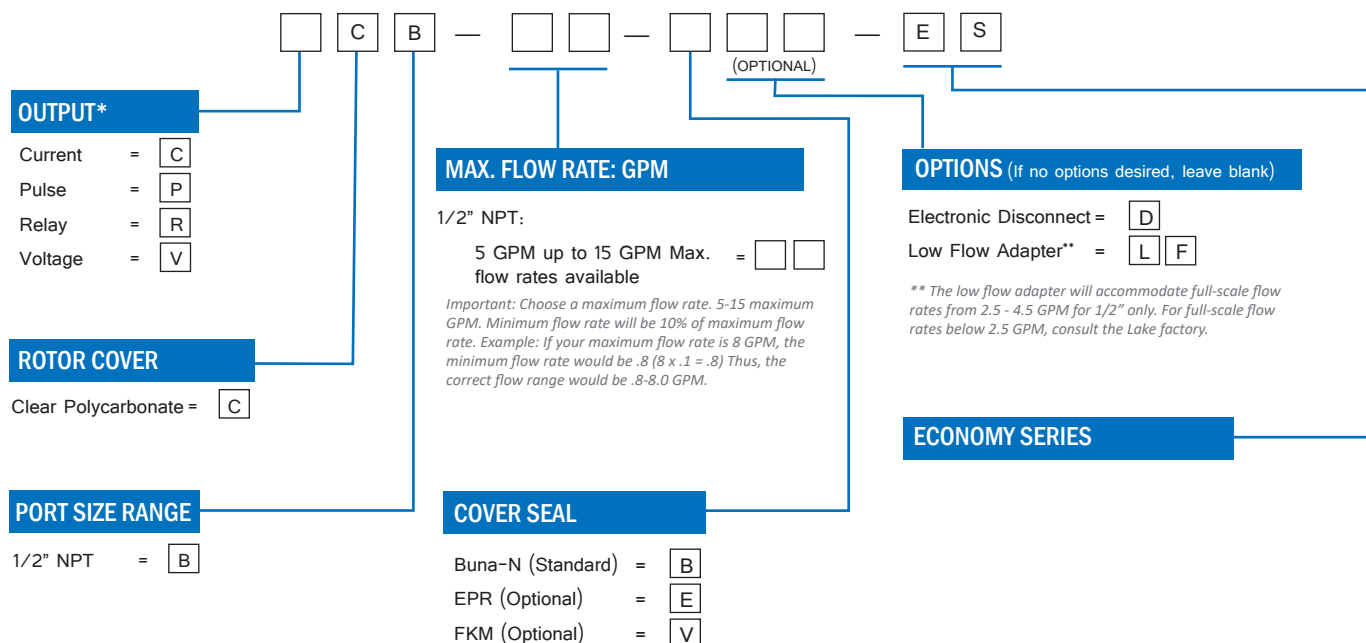
Simply Plumb and Apply Power

Comes factory calibrated to your flow range specifications.

FLOWSTAT ES TURBINE FLOW SENSOR

Ideal for monitoring various fluids in applications such as chillers/cooling circuits, HVAC, batching and industrial process control applications.

PART NUMBER GUIDE



ELECTRONIC SPECIFICATIONS

4-20 mA version	
Power Requirements	12-24 VDC, Regulated, Loop powered
Load driving capacity	Use the following equation to calculate maximum load resistance: Max Loop Load (Ω) = 50 (Power supply volts - 12).
Maximum Transmission Distance	Limited only by wire resistance & supply voltage
Response time	2 seconds to 90% (step change)
Resolution	Infinite
Over-current limit	Self limiting at 35 mA
Other protection	Reverse polarity

Relay Output	
Power Requirements	12-24 VDC, Regulated
Maximum Transmission Distance	200 feet recommended
Switch Contact	Form C, 5A max 120 or 240 VAC
Set Point Repeatability	1% of full scale

0-5 VDC (regulated) version	
Power Requirements	12-24 VDC, Regulated
Maximum Current	25 mA DC, Regulated
Minimum Load resistance	1000 Ohms
Maximum Transmission Distance	200 feet recommended
Resolution	Infinite
Response time	< 5 seconds to 90% (step change)

Pulse Output Version	
Power Requirements	12-24 VDC, Regulated
Response Time	<100 mS
Maximum Current	25 mA DC, Regulated
Maximum Transmission Distance	200 feet recommended
Minimum Load Resistance	1000 Ohms
Protection	Short circuit & reverse polarity

Products may be subject to change without notice - Contact factory for the most up-to-date product information.