The Blancett CorrExx Turbine Flowmeter *was developed for applications requiring compatibility in high corrosive, temperature and pressure environments. Constructed of 316L Stainless Steel and Flourosint®, the CorrExx flowmeter offers greater efficiency, longer service life and cost effectiveness for your measurement requirements.*

Simple in both design and construction, the CorrExx Flowmeter utilizes both upstream and downstream flow straighteners for a high degree of flow accuracy. The meter produces an AC sine wave signal proportional to its volumetric flow rate. With optional signal converting electronics, it will interface with most instruments and computers.

Blancett®

Blancett Fluid Flow Meters

CorrExx™

PRECISION, IN-LINE TURBINE FLOWMETER

- ***Corrosive-resistant body and rotor-bearing components compatible with most chemical environments.***
- ***Can be used in high temperature (300+° F, 149° C) and pressure (5000 psi) applications.***
- ***Small size allows for installation in confined areas.***
- ***Can be mounted horizontally or vertically without affecting meter accuracy.***
- ***Available outputs: Magnetic sinewave, amplified DC frequency or analog (4-20mA).***
- ***NIST traceable calibrations.***
- ***Manufactured in the USA.***

CORREXX™ PRECISION, IN-LINE TURBINE FLOWMETER

SPECIFICATIONS

- *Materials: Body and internal wetted parts: 316L Stainless Steel*
  Bearings: Fluorosint® (Teflon®/mica)
- *Flow Range: 0.5 - 4.0 GPM (LPM)*
- *Accuracy: ± 1% of reading*
- *Repeatability: ± 0.1%*
- *Calibration: Water proven (NIST traceable) 1900 ppg typical K-factor*
- *Pressure Drop: <2 psi at maximum flow rate*
- *Pressure Rating: 5000 psi (maximum)*
- *Turbine Temperature: + 300º F (149º C)*
- *End Connections: 1/2" male NPT standard.*
  For optional port configurations, consult factory
- *Weight: 0.5 lbs.*

Outputs:

Standard:

Magnetic Sensor: Minimum 20 mV peak-to-peak sine wave at minimum flow rate. This variable reluctance Magnetic Pickup coil is designed to exceed the performance and application criteria of standard or modified magnetic pickups.

Specifications

DC Coil Resistance:	*High Sensitivity; 1.5KΩ*
Output:	*20mV to 30Vp-p Sine Wave*
Connector:	*2-pin gold plated type to mate with MS 3106-10SL-4S or equivalent*
Temperature Rating:	*-250º to +300º F (-157º to 149º C)*
Material of Construction:	*303/304 Stainless Steel shell, epoxy encapsulated (all standard connectors have gold plated pins)*

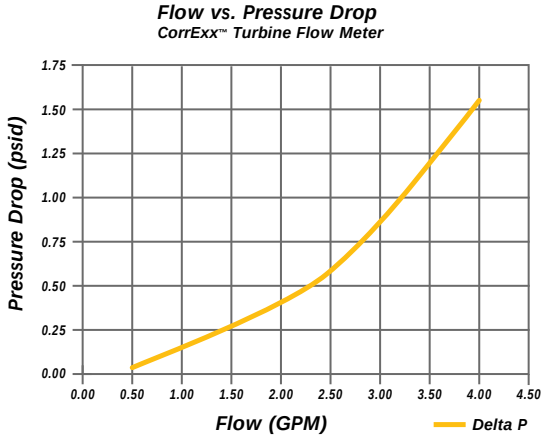
Optional:

Active Sensor: Surface mount circuit converts the sine wave output of a magnetic pickup to a 4-20mA analog signal. The modular design eliminates the need to wire an accessory converter. Standard and special shielded cables are available.

Specifications

Excitation Range:	*5 to 28 Vdc*
Output Current Range:	*4-20 mA*
Minimum Load Resistance:	*10Ω*
Maximum Load Resistance (including line losses):	*Excitation Voltage - 1V / 0.02*
Circuit Power Requirement:	*load + 7.0 mA*
Accuracy:	*± 0.5% of full scale span, plus accuracy of input source*
Cable Connection:	*3 pin Amphenol Tuchel*
Temperature Rating:	*131º F (55º C)*
Approvals:	*CE Certified Heavy Industrial* *En 50081-2 EMC Emissions* *EN 50082-2 EMC Immunity*
Materials of Construction:	*Mag Pickup Housing - 304 SS* *Sensor Housing - Ni Plated Aluminum*

*Left: **Optional** Active Sensor*
*Right: **Standard** Magnetic Sensor*



Optional:

Amplified Frequency: This Pre-Amplifier operates with the standard magnetic pickup where input frequency levels exceed 1.5 Vp-p. This Pre-Amp outputs stable square wave pulses, thus extending the application range and signal distance of the pickup coil.

Specifications

Input Voltage:	*10 to 18 Vdc*
Input Current:	*15 mA*
Input Sensitivity:	*5 mV*
Output Voltage:	*10 Vp-p*
Frequency Range:	*Near Zero to 5 kHz*
Distance pickoff/Pre-Amp:	*5,000 ft. Max. (30.5m)*
Temperature Range:	*-20º to 160º F (-29 to +71º C)*

Blancett®
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