

DESCRIPTION

The Blancett pickup is a magnetic pickup used with turbine flow meters to sense movement of the rotor blade within the flow meter body. The pickup is available in two connections: a two-pin connection, or a three-pin sealed stainless steel face connection for sanitary applications. The contents of the pickup are sealed in a rugged stainless steel housing that can be used with a variety of threaded turbine flow meters. When ordered with a Blancett turbine flow meter, the pickup and meter are calibrated together for accuracy and reliability.

OPERATION

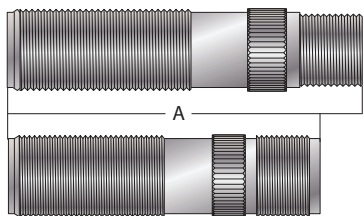
The pickup gathers raw flow data from the meter and transfers that data to the coupled reading element/flow monitor. A magnet is sealed within the stainless steel housing and is threaded into the body of a turbine meter. The pickup is precisely positioned to be directly above the turbine flow meter rotor assembly. As a fluid passes through the meter, the velocity of the fluid provides rotational energy on the rotor assembly, located inside the body of the flow meter. The rotor blades, passing through the pickup's magnetic field, generate pulses proportional to the flow rate. Each pulse is transmitted through the pickup to the meter electronics, where flow is interpreted and calculated to provide a volumetric flow rate.

APPLICATIONS

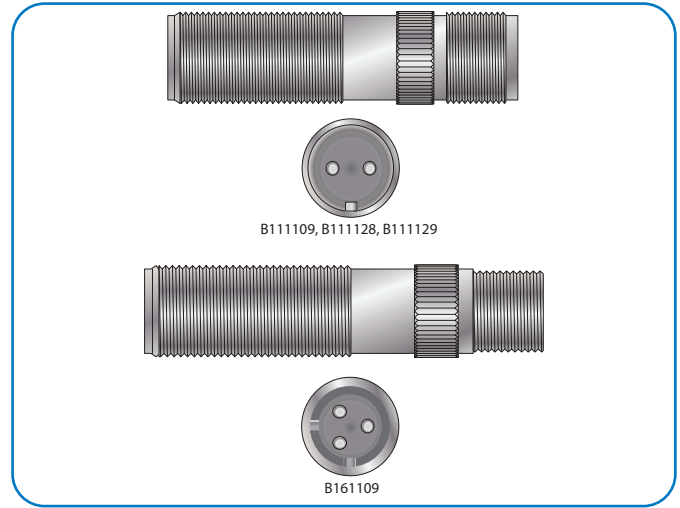
When paired with a Blancett turbine flow meter, the Blancett pickup can be used in the following industries:

- Chemical
- Concrete production
- Industrial
- Oil and gas
- Process industries
- Refining and petrochemical
- Water/wastewater treatment
- Food and beverage (B161109 only)

DIMENSIONS



Part Number	Length A
B111109	2 in. (50.4 mm)
B161109	2.5 in. (63.5 mm)
B111128	3 in. (76.2 mm)
B111129	4 in. (101.6 mm)



SPECIFICATIONS

Coil Resistance Inductance Output Voltage		1500Ω; 800 mH; 230Vpp
Magnetization	B111109 B111128 B111129	1000 Gauss, TYP
	B161109	900 Gauss, TYP
Temperature Range		-150...330° F (-101...165° C)
Connectors	B111109 B111128 B111129	2-pin MS3102-10SL-4P, gold-plated contacts
	B161109	3-pin Micro-C, gold-plated contacts
Pole Type	B111109 B111128 B111129	Flush pole 0.130 in. (3.3 mm)
	B161109	Flush pole 0.130 in. (3.3 mm) in a sealed stainless steel face
Construction	B111109 B111128 B111129	300 series stainless steel housing; solid epoxy encapsulation
	B161109	303 series stainless steel; solid epoxy encapsulation
Lead Wire		TFE, 20 AWG
Thread		5/8-18 UNF
Coil Resistance		1500 Ohms
CE Compliance		EN55011, EN50022-2

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