BRASS & STAINLESS STEEL FLOW SENSORS 220B, 220SS

DESCRIPTION

FLOW

The **Badger Meter 220B** (brass) and **220SS** (stainless steel) **flow sensors** mount in a 2" NPT pipe saddle or Thredolet[®] and are used in general flow measuring applications in metallic or PVC pipes from 2-1/2" to 40" (6.4 to 101 cm). Positioning nuts on the three threaded retaining rods allow the sensor to be accurately positioned to a standard insertion depth of 1-1/2" into the pipe. When this insertion depth is maintained, and there are at least 10 upstream and 5 downstream diameters of straight uninterrupted flow, an accuracy of $\pm 1\%$ of actual flow rate can be obtained between flow velocities of 0.5 to 30 ft/sec. The standard 200 Series flow sensors are rated for water temperatures to 221 °F. For higher temperature requirements, see the **SDI Series**.



SPECIFICATIONS

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	Accuracy	±1% of full scale	Materials Of Construct	ion
	Velocity Range	0.5 to 30 fps (.15 to 9.0 mps)	220B	Standard construction is Admiralty
	Repeatability	±0.3% of full scale		brass UNS C44300 sleeve, glass-
	Linearity	±0.2% of full scale		reinforced nylon impeller, Pennlon [®]
	Rangeability	60:1		UHMWPE bearings, tungsten
	Connections	2" MNPT (mount in Thredolet [®]		carbide shaft, glass reinforced PPS
-		or tee)		housing, and ethylene propylene
5	Wiring	20' (6.1 m) Belden 9320 two-		EPDM o-rings (other materials
Ĺ		conductor shielded cable		available special order).
	Media Compatibility	Hot water, chilled water, water/glycol	220SS	Standard construction is 300
		(verify application is compatible with		series stainless steel sleeve, glass-
		flow sensor materials of construction,		reinforced nylon impeller, Pennlon [®]
		check material compatibility	2	UHMWPE bearings, tungsten
		resources prior to ordering)	المعلقين المستعلمين	carbide shaft, glass reinforced PPS
	Media Temperature Ra	nge	ALC: NO	housing, and ethylene propylene
		Maximum 221°F (105°C)		EPDM o-rings (other materials
	Maximum Pressure	400 psig (2758 kPa) @ 100°F		available special order).
		(37.8°C) media temperature	Dimensions	7.1"H x 3" diameter (18.1 x 7.6 cm)
			Weight	4.1 lb (1.9 Kg)
			Approvals	CE
			Warranty	1 year 🖉

ORDERING INFORMATION

MODEL	DESCRIPTION	
220B	Brass flow sensor	
220SS	Stainless steel flow sensor	
	RELATED PRODUCTS	
310-00	Programmable analog flow transmitter	
UFT-1A	Universal flow transmitter, pulse and calibrated 4-20 mA output	
	ACCESSORIES	
230-FRK	230-FRK Repair kit for 200 Series flow sensors (includes impeller, shaft, bearing, and 0-ring)	
2X2.5-3THD		
2X4-6THD	2" Thredolet [®] for 4", 5" and 6" pipes	
2X8-36THD	2" Thredolet [®] for 8" to 36" pipes	