



FLOW SENSOR MODELS 220B, 220SS

APPLICATION

Model 220B Brass and **220SS Stainless Steel Flow Sensors** are used in most general flow measuring applications in metallic or large PVC pipes. The sensor mounts in a 2" NPT pipe saddle or Thredolet® for installation in pipe sizes from 2-1/2" to over 40" (6.35 to 101.60 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" (3.81 cm) 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 fps. The standard **Model 200** is rated for water temperatures to 221°F. High temperature (HT) models are available for maximum temperatures to 285°F (105°C) continuous operation.



220B



SPECIFICATIONS			
Accuracy	$\pm 1\%$ of full scale	Impeller	Glass-reinforced nylon
Linearity	$\pm 0.7\%$	Bearing	Pennlon® (UHMWPE)
Repeatability	$\pm 0.7\%$	Shaft	Tungsten carbide
Rangeability	60:1	Housing	Glass-reinforced PPS
Flow rate	0.5-30 ft/sec	O-rings	Ethylene propylene (EPDM)
Max pressure	400 psig (2758 kPa) max @ 108°F (42.2°C)	Sleeve	
Max temp		220B	Admiralty brass UNS C44300
Standard	221°F (105°C)	220SS	300 series stainless steel and hex adapter
HT	285°F (140°C) continuous	Dimensions	
Wetted materials	Standard unit [Call Kele for HT materials]	HT	7.13" x 3" dia (18.1 x 7.6 cm) 17.6"H (44.7 cm)
		Pipe connection	2" MNPT
		Weight	4.1 lb (1.9 kg)

ORDERING INFORMATION

MODEL	DESCRIPTION
220B	Brass Flow Sensor
220B-HT	220B High Temperature Sensor
220SS	Stainless Steel Flow Sensor
220SS-HT	220SS High Temperature Sensor
230FRK	Repair Kit for 220 Series Flow Sensors (includes Impeller, Shaft, Bearing, and O-ring)
ACCESSORIES	
2X2.5-3THD	2" Thredolet® for 2-1/2" and 3" pipe
2X4-6THD	2" Thredolet® for 4" to 6" pipe
2X8-36THD	2" Thredolet® for 8" to 36" pipe

Related Products
UFT-1A Flow transmitters