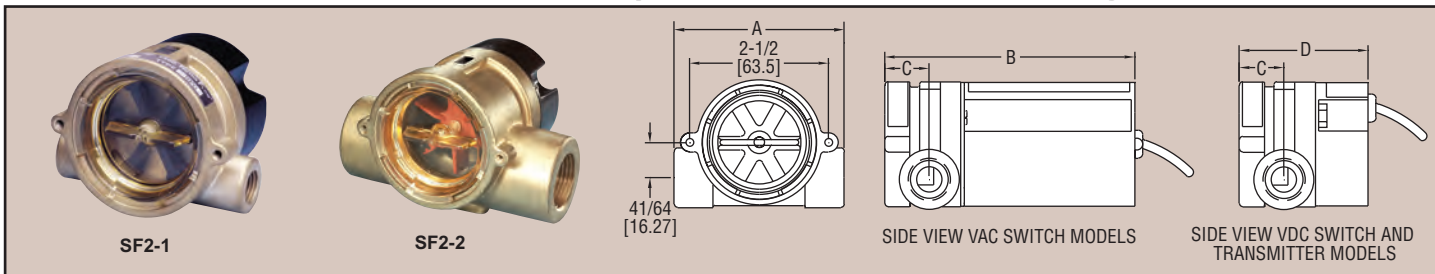




Series
SF2

Sight Flow Meters

SPDT or Pulse Output, Visual Flow Confirmation, Brass Body



Series SF2 Sight Flow Meters combine visual confirmation of flow with a relay or pulse output. The brass, unibody construction, one piece composite rotor, and ceramic shaft delivers durability with broader chemical, temperature, and pressure capabilities. For specific flow setpoint switching, select SF2-1 meters with a SPDT relay output. Setpoints are fully adjustable over the specified flow range. The dynamic operation of the rotor guards against jamming and false actuation. For flow rate monitoring or metering applications, select SF2-2 meters with a pulse output proportional to the rate of flow. The 4.5 to 24 VDC pulse output is compatible with most digital logic families.

Dimensions in [mm]

Model	A	B	C	D
SF2-104	—	—	—	2-21/64 [59.13]
SF2-101	3-1/64 [76.6]	4-1/2 [114.3]	7/8 [22.23]	—
SF2-114		—		2-21/64 [59.13]
SF2-111	—	4-1/2 [114.3]	—	—
SF2-124	3-61/64 [100.41]	—	1-1/16 [26.99]	2-61/64 [75]
SF2-121		4-49/64 [121.05]		—
SF2-134		—		2-61/64 [75]
SF2-131		4-49/64 [121.05]		—
SF2-204	3-1/64 [76.6]	—	13/16 [20.64]	2-21/64 [59.13]
SF2-214	—	—	—	—
SF2-224	3-61/64 [100.41]	—	1-1/16 [26.99]	2-61/64 [75]
SF2-234		—		

SPDT Relay Output			
Model	Range (GPM)	Power	Connection
SF2-104	0.5 to 5.0	24 VDC	1/4" female NPT
SF2-101	0.5 to 5.0	110 VAC	1/4" female NPT
SF2-114	4.0 to 20.0	24 VDC	1/2" female NPT
SF2-111	4.0 to 20.0	110 VAC	1/2" female NPT
SF2-124	5.0 to 30.0	24 VDC	3/4" female NPT
SF2-121	5.0 to 30.0	110 VAC	3/4" female NPT
SF2-134	8.0 to 60.0	24 VDC	1" female NPT
SF2-131	8.0 to 60.0	110 VAC	1" female NPT
Pulsed Output			
Model	Range (GPM)	Power	Connection
SF2-204	0.5 to 5.0	4.5 to 24 VDC	1/4" female NPT
SF2-214	4.0 to 20.0	4.5 to 24 VDC	1/2" female NPT
SF2-224	5.0 to 30.0	4.5 to 24 VDC	3/4" female NPT
SF2-234	8.0 to 60.0	4.5 to 24 VDC	1" female NPT

SPECIFICATIONS

Service: Liquids compatible with wetted parts.

Wetted Materials: Brass body, ceramic pin, PPS rotor, Polysulfone lens and fluoroelastomer O-ring.

Accuracy: Relay output: $\pm 5\%$; Pulsed output: $\pm 7\%$ for ranges up to 5.0 GPM, $\pm 15\%$ for ranges up to 60.0 GPM.

Temperature Limits: -20 to 212°F (-20 to 100°C).

Pressure Limit: 200 psig (13.8 bar) @ 70°F.

Power Requirements: See table.

Output: SPDT: 1 Amp, 24 VDC resistive; 0.3 Amp, 110 VAC or 4.5 VDC to 24 VDC pulse depending on model.

Electrical Connections: Relay output models: 20AWG PVC-jacketed, 24" cable; Pulsed output models: 22AWG PVC-jacketed, 24" cable.

Process Connections: See table.
Setpoint Differential: 15% max for relay output models.

Maximum Viscosity: 200 SSU.
Agency Approvals: CE.