



## • Patented High Grade Fluid Flow Meters

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- English (en)
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- [Home](#)
- [Products](#)
- [Technology](#)
- [Applications](#)
- [Instructions](#)
- [Guarantees](#)
- [Contact Us](#)

## SF800/6 - HIGH PRESSURE FLOW METER

The SF800/6 is the high-pressure version of the SF800 with extra metal enclosure. With an operating pressure of 250 bar and burst pressure of 750 bar, it is perfect for more demanding and high stress environments while retaining the versatility and other qualities of the SF800.

The inside of the sensor is similar to the SF800, and is made of high-quality plastics and composites with great chemical and thermal resilience and no susceptibility to limescale.

An integrated PCB emits the infrared signal, which is interrupted by the three blades of the rotor. SMD components transform the interrupted signal into a pulse. Because of the construction and geometry of the rotor housing, the Swissflow flow sensors can withstand high pressure.

### Range

Flow velocity*:	0.5 – 20 litre per minute
Temperature:	-20 – +90 °C
Operating pressure:	750 bar (static pressure)

Max. pressure: 250 bar

### Technical information SF-800

Process connections: 3/8" hose barb; 3/8" BSP Male  
Excitation: 5 to 24 VDC, 12 to 24 mA  
Power consumption: 12 – 36 mA/s  
Material: PVDF, Vectra (rotor), Viton or EPDM  
Output: frequency  
Output frequency: 100 to 2000 Hz (depending on the flow velocity)  
K-factor: +/- 6100 pulse/litre  
Housing: stainless steel, AISI 303

### Reliability

Interchangeability\*\*: +/- 2.25 %  
Accuracy: +/- 1.00 %  
Reproducibility: +/- 0.30 %

### Medium

Medium type: clear or translucent liquids that do not block infrared light  
Viscosity: 1-1000 Cst  
Examples: water, chemicals, oil, beer, syrup

\* Other ranges available upon request

\*\* Upon request, interchangeability can be less than 1%



Price includes 2 John guest speed fit connectors that ship with each SF800 sensor