

V270

Model:	VFF/V270/SS/(pressure)bar
Body:	40bar (600 psi) body provided in 316 stainless steel with 2" NPT female process connections in-line. Higher pressure versions available with connections to suit including wafer fitting between ANSI flanges and Grayloc hubs. Alternate materials are available such as titanium, duplex, super duplex and 17-4PH steel.
Rotor:	The rotor is provided in either anti galling stainless steel (AG, Nitronic 60) or Brass, with a 316SS encapsulated magnet.
Seal:	There is a single FPM O-ring seal between the top cap and body. Other elastomers are available e.g. Kalrez®, FEP covered silicon and in higher pressure versions PTFE and Inconel.
Pick-up/Transmitter:	There is one reed switch installed in a SS housing which is O-sealed to the meter body providing a rating of IP68. The optional Ex ia or Ex d display is mounted on the housing. Typical reed switch life is 30 years at continuous maximum operating flow rate.
Pressure rating:	40, 220, 345, 520, 690bar. (600, 3200, 5000, 7500, 10000 psi).
Temperature rating:	-40°C to +150°C (subject to chemical compatibility, pressure rating and location of the display), higher temperature sensor available.
Pulse output:	The unit provides a reed switch output with approximately 1.2 pulses per litre. (4.5 pp USG)
Viscosity range:	0.8 to 2000 cSt or greater. The normal meter maximum flow rate applies for viscosities from 1.2 to 30 cSt. For higher viscosities up to 2000 cSt a reduced maximum flow rate may apply. Calibration will be on water or 2.2cSt or 5cSt.
Flow rate range:	- Normal flow rate range 0-16500 l/hr (0-270 l/min, 4300 USG/hr, 102000 USGPD). Minimum flow rate repeatably measured relates to application viscosity and rotor type; for example less than 1500 l/hr for 11 cSt. - 50% over-range capability available for some applications – Please consult Litre Meter.
Filtration:	A 100 micron filter is advisable for 100% long life serviceability. If filtration is not possible, consult Litre Meter.
Accuracy:	A calibration certificate is provided based on a representative viscosity fluid for the application. The calibration certificate confirms the flowmeter accuracy. Improved system accuracy can be provided typically to ±1% of actual reading where the linearisation signal processing facility of the display instrument is employed.