

**HF40**

<b>Model:</b>	VFF/HF40/SS/(pressure)bar
<b>Body:</b>	110bar (1500 psi) body provided in 316 stainless steel with ¾" NPT female process connections in-line. Higher pressure versions available with connections to suit e.g. AE MP. Alternate materials are available such as titanium, duplex, super duplex and 17-4PH steel.
<b>Rotor:</b>	The rotor is provided in either anti galling stainless steel (AG, Nitronic 60) or Carbon graphite, with a 316SS encapsulated magnet.
<b>Seal:</b>	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.
<b>Pick-up/Transmitter:</b>	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.
<b>Pressure rating:</b>	110, 207, 414, 690, 1035 and 1380 bar. Lower pressure ratings are all served by the 110bar version. (1500, 3000, 6000, 10000, 15000 and 20000 psi) 40bar version non-standard.
<b>Temperature rating:</b>	-40°C to +150°C (subject to chemical compatibility, pressure rating and location of the display), higher temperature sensor available.
<b>Pulse output:</b>	The unit provides a reed switch output with approximately 10 pulses per litre. (38 pp USG)
<b>Viscosity range:</b>	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.
<b>Flow rate range:</b>	- Normal flow rate range 0-2400 l/hr (0-40 l/min, 640 USG/hr, 15200 USGPD). Minimum flow rate repeatably measured relates to application viscosity and rotor type for example less than 12 l/hr for 11 cSt. - 50% over-range capability available for some applications – Please consult Litre Meter.
<b>Filtration:</b>	A 100 micron filter is advisable for 100% long life serviceability. If filtration is not possible, consult Litre Meter.
<b>Accuracy:</b>	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.