

Smart Pump Programmable Flow Meters

Model No. DM-100SPFM/SS with 316ss Flow Chamber

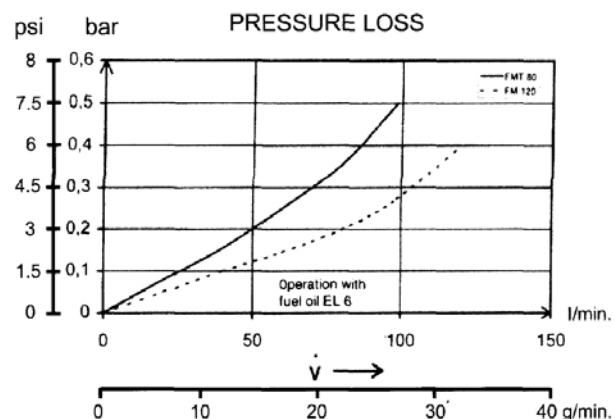
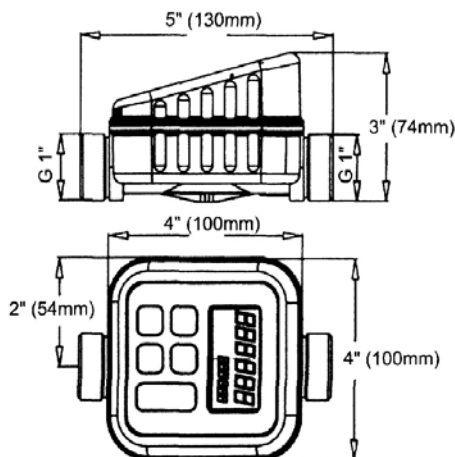
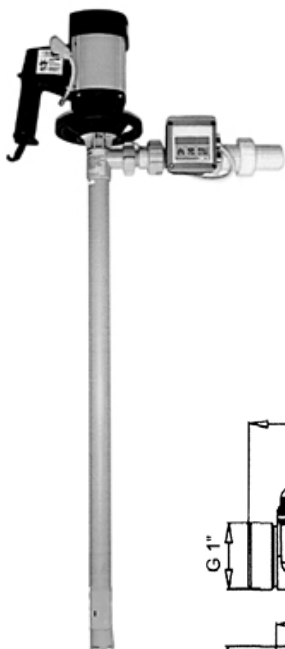
Max. 35 Gpm, 1" Npt, Accuracy: +/- 1.5%, 3 Flow Rates: 2-10 Gpm, 3-20 Gpm or 4-32 Gpm

Smart Pump (SP) Series of flow meters are excellent for batch controlled dispensing of liquid into or from drums, totes (IBC's) day tanks, vats, reservoirs. It's precisely right for semi-automatic small container filling. Using a proven radial turbine design, the flow meter accurately determines the volume of liquid being transferred.



Models are available as a straight in-line flow meter or with the **SP** technology. This advanced technology controls the pump flow and ensures all models have in-field calibration capabilities, displaying the current volume being dispensed or the totalized volume in each moment. Powered by a lithium battery with a service life of 5 years, SP flow meters include a memory device for safe memory storage when battery change is necessary.

The **SP Smart** technology meters utilize state of the art electronics that guarantee 1% accuracy and 0.8% repeatability. Simply press the directional arrows up or down to a desired preset volume. Engage the motor to begin the metering process. When the desired amount has been metered the **SP Smart** technology disengages the motor and the process is completed. This hands-free, worry-free technology is ideal for chemical processing industries, general manufacturing, pharmaceutical, aerospace, agriculture, environmental, biosciences, transport, coatings, waste water and most other industries for batching, specialty chemical compounding, dilution and many other liquid transfer applications.



Type	Unit	210	320	432
Principle of Measurement			radial turbine	
Material of Construction			Ryton, PP or PVDF	
Flow Capacity	g/min (l/min)	1.5-10 (5-40)	3-20 (10-80)	4-30 (15-120)
Operating Pressure	psi (bar)	29 (2)	43 (3)	58 (4)
Bursting Pressure	psi (bar)		145 (10)	
Measurement Accuracy	%		+/- 1	
Accuracy of Repeating	%		+/- 0.8	
Temperature Range	°F (°C)		14 to 104 (-10 to 40)	
Connection Thread			1" IPS external thread	
Line 1 Indication Line			six digit, 1/2" (12 mm) high	
Line 2 Indication Line			six digit, 1/4" (6mm) high	