

The **FMC INVALCO 900 Series Flowmeter** includes a high quality Pelton wheel which offers accurate performance with very reasonable operating cost.

Rugged construction, robust bearings and some of the most chemically resistant materials available ensures that these meters can be installed with confidence in a wide variety of applications. The meters may be used in industry, laboratories, pilot plant and educational establishments and can offer simple flow indication or complex flow control. The pulse output from the flowmeter may be used for rate measurement, totalizing, process control, batching, data logging or may be fed directly into PLC's for real-time monitoring and control.

At the heart of the flowmeter is a precision turbine which rotates freely on robust sapphire bearings and contains 3 ceramic magnets. All meters are calibrated on a gravimetric flow rig and have a choice of detectors, either Hall Effect sensor (standard) or reed switch.

Features

- 257°F (125°C) operation
- Rugged sapphire bearings
- +/- 0.1% repeatability
- PVDF and 316 SS wetted parts
- Low power consumption (8mA)
- Choice of end fittings
- Hall Effect detector
- Traceable calibration
- 145 psi (10 bar operation)
- 4.5V to 25V DC
- Built in flow switch option and remote self powered flow rate and totalisers with scaled pulse analog and flow alarm outputs (see Rate Totalizer and Battery Totalizer datasheets)
- Remote high speed presetbatch controller (see Ecobatch datasheet)

Ordering Information



Specifications

Connections

1/4" BSPF

Materials

Flow meter body

316 Stainless Steel

Electronic housing

PVDF

Bearing & spindle

Sapphire

Turbine

PVDF

Magnets

Ceramic

O-rings

Viton

Max. Pressure

145 psi (10 bar)

Max. Temperature

257°F (125°C)

Supply Voltage

5 ~ 24VDC

Electrical Connection

4 pin instrument plug & socket

Sensor type

Hall Effect sensor

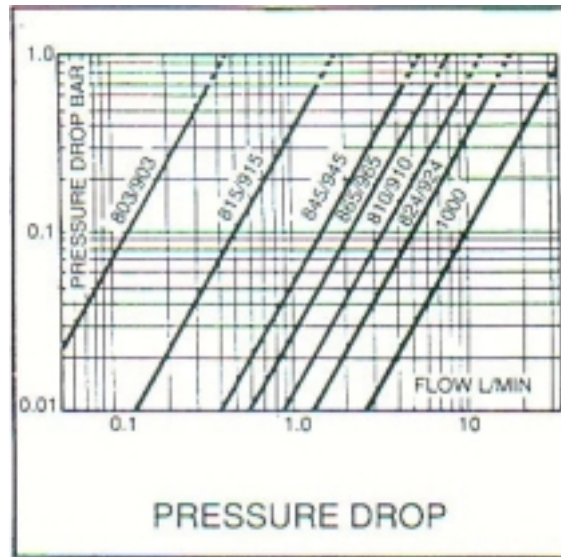
(TTL compatible square wave output)

Reed Switch also available

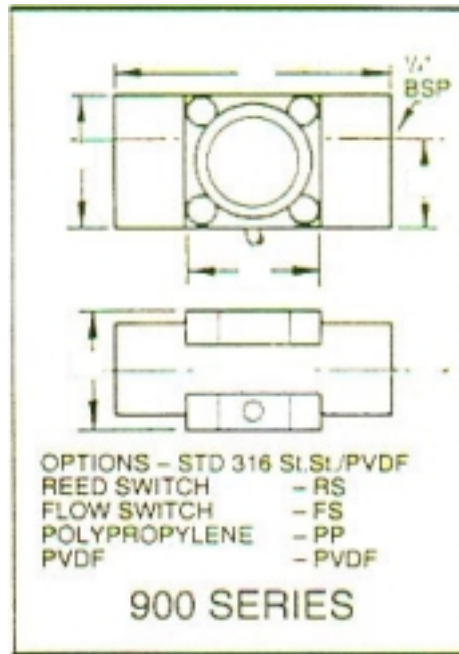
Features

Model 1/4" BSP	Flow Range gpm	Flow Range L/min	Linearity & FSD	Approx. K Factor
903	.013 to .132	0.05 to 0.5	2.0	17,000
910	.079 to 2.64	0.3 to 10	1.0	1,420
915	.03 to .40	0.12 to 1.5	2.0	7,000
924	.05 to 1.19	0.2 to 4.5	1.0	980
945	.132 to 3.96	0.5 to 15	1.5	3,500
965	.04 to 1.72	0.15 to 6.5	1.5	2,100

Pressure Drop



Dimensions



www.fmcinvalco.com

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

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