

900 Series Flowmeter



DDM
sensor solutions

The distributor
of your choice!



The 900 series turbine flowmeters are designed to give high performance and competitive pricing with 6 flow ranges from 0.05 to 15 L/min. Its choice of body materials makes this the ideal choice for metering aggressive chemicals, including ultra-pure water. The standard inlet is 1/4" BSPF, with alternatives available for OEM applications. The bearings are made of sapphire for long life and reliability, the body is either PVDF or 316 stainless steel, and for the standard meter, the 'O' ring seal is Viton™.



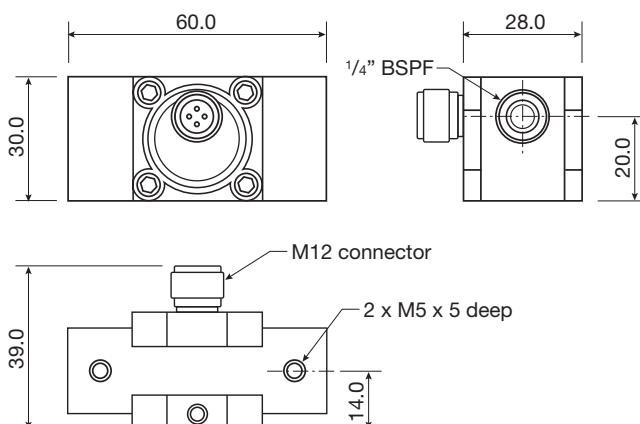
IDEAL FOR

- Drink dispensing
- Chemical dosing
- Laboratory tests
- Cooling equipment
- Active flow alarms
- Semiconductor plant
- OEM applications



FEATURES

- Low cost
- PVDF or St St body
- 1- 2% FSD
- Sapphire bearings
- Hall Effect sensor
- 6 flow ranges
- Pulse output (NPN standard / PNP option)
- 10 bar rating
- Viton™ seal as standard
- 1/4" BSP-F (1/4" NPT-F option)
- 0.1% Repeatability
- 4.5 to 24Vdc
- -25°C Min to 125°C Max
- IP65



Weight (kg)	
St St	0.192
PVDF	0.065



Ordering Codes

Model
903
915
945
965
910
924
Seal Material (seal temperature range)
V = Viton™ (-20 to +150°C)
N = Nitrile (-20 to +100°C)
E = EPDM (-30 to +150°C)
S = Silicone (-50 to +230°C)
Options
O = Standard NPN (<125°C)
2 = NPN - PNP (< 60°C)
Body Material
P = PVDF
S = 316 St St
Calibration
O = Standard
U = Uncalibrated

e.g. **965-VOP-O** is a flow range of 0.25 to 6.5 L/min, Viton™ seal, standard NPN, PVDF bodied flowmeter with a 6 point traceable water calibration.

Standard Materials of Construction

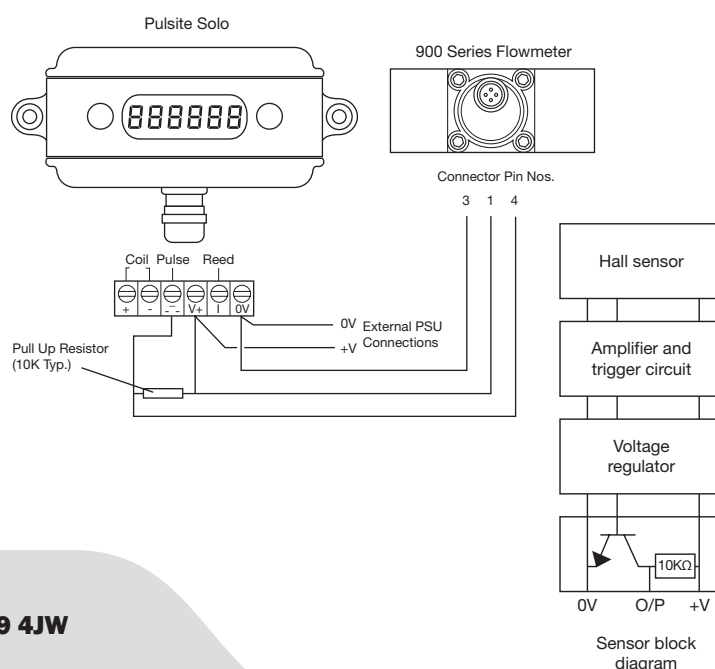
Body and cap	- PVDF or 316 St St
'O' Ring seal	- Viton™
Magnets	- Over-moulded
Bearings	- Sapphire

At the heart of the meter is a precision turbine that rotates freely on robust sapphire bearings and contains over-moulded magnets that are detected through the chamber wall by a Hall effect detector. The output is a NPN pulse that is readily interfaced with most electronic display or recording devices, such as Titan's Pulsite® Solo. The combination of materials and technology ensures a long life product with reliable operation throughout. There are two temperature options 125°C or 60°C. The 60°C unit is fitted with two LEDs to monitor the power and pulse output. Both NPN and PNP transistor outputs are available on each flow meter.



TECHNICAL SPECIFICATIONS

Model	Flow range L/Min	Linearity % FSD	Typical Freq. Hz.	Approx 'K' Factor
903	0.05 - 0.5	2.0	142	17000
915	0.12 - 1.5	2.0	175	7000
945	0.20 - 4.5	1.5	260	3500
965	0.25 - 6.5	1.5	230	2100
910	0.30 - 10.0	1.0	235	1420
924	0.50 - 15.0	1.0	245	980



TITAN ENTERPRISES LTD.

Coldharbour Business Park, Sherborne, Dorset DT9 4JW

Tel: **+44 (0)1935 812790**

Email: **sales@flowmeters.co.uk**

Web: **www.flowmeters.co.uk**

Distributor: DDM GmbH & Co. KG

Phone: +49 661 967 962-0 >>> Email: **info@ddm-sensors.de** >>> Web: **www.ddm-sensors.de**