

NSF-Approved 800 Series Flowmeter



The 800 series flowmeters are designed to give high performance and competitive pricing with 6 flow ranges from 0.05 to 15 L/min. NSF-approved for use in food and beverage production, its totally non-metallic wetted components also makes the 800 series flowmeter an ideal choice for use within the medical and pharmaceutical industries. It is also suitable for metering aggressive chemicals including ultra-pure water. The standard inlet tubes are barbed to accept two hose sizes, 8mm and 12mm, although alternative sizes and cable lengths are available for OEM use. The bearings are made of sapphire for long life and reliability, the body is moulded PVDF as standard, and the 'O' ring seal is typically Viton™.



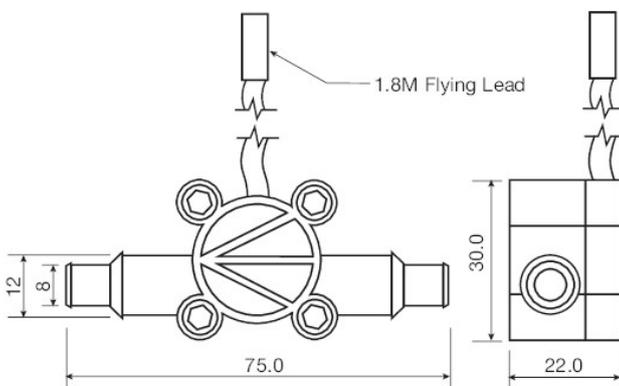
IDEAL FOR

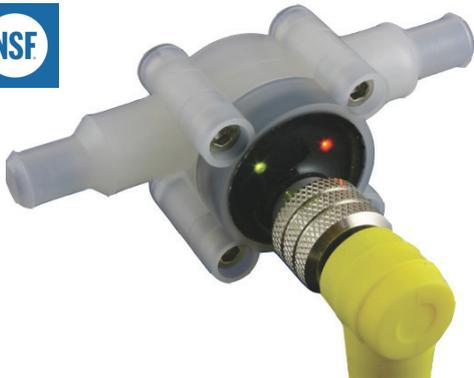
- Liquid batching / dosing
- Food and beverage
- Laboratory tests
- Cooling equipment
- Active flow alarms
- Semiconductor plant
- Engine test



FEATURES

- Low cost
- NSF-Approved for use in food and beverage production
- PVDF (PP body available on request)
- 1- 2% FSD
- Sapphire bearings
- Hall Effect sensor
- 6 Flow ranges
- Pulse output (NPN Standard with PNP Option)
- 10 bar rating
- Viton™ seal as standard
- 8mm and 12mm hose; 3/8 John Guest connection
- 0.1% Repeatability
- 4.5 to 24Vdc
- -25°C Min to 125°C Max
- IP65
- Standard cable length of 2m





Ordering Codes

Model
803
815
845
865
810
824
Seal Materials
V = Viton™
N = Nitrile
E = EPDM
S = Silicon
Output Options
O = Standard NPN (<125°C)
2 = NPN - PNP (< 60°C)
Body Material
P = PVDF
Calibration
O = Standard
U = Uncalibrated
Options
- Poly
- JG

e.g. **865-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 and no additional options.

Standard Materials of Construction

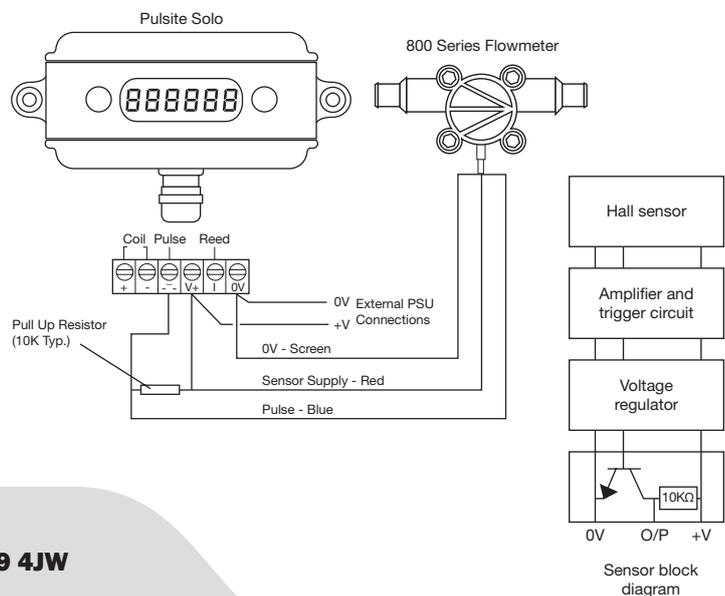
Body and cap	- PVDF
'O' Ring seal	- Viton™
Magnets	- Over-moulded
Bearings	- Sapphire

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 stream of NPN/PNP pulses that are 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 of 125°C or 60°C. The 60°C unit is fitted with two LEDs to monitor the power and pulse output.



TECHNICAL SPECIFICATIONS

Model	Flow range L/Min	Linearity % FSD	Typical Freq. Hz.	Approx 'K' Factor
803	0.05 - 0.5	2.0	142	17000
815	0.12 - 1.5	2.0	175	7000
845	0.20 - 4.5	1.5	260	3500
865	0.25 - 6.5	1.5	230	2100
810	0.30 - 10.0	1.0	235	1420
824	0.50 - 15.0	1.0	245	980
Weight	0.050kg			



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**

For reference only; for latest information contact your local distributor.