

S Series Positive Displacement Flowmeters

These flowmeters will accurately measure oils, fuels, solvents and high and varying viscosity liquids.

Robust well proven tri-rotor

- Low maintenance
- Compact single lightweight case
- All mechanical batching system

Highly accurate measurement of flow

- EC weights and measures approved
- Reduce your costs
- Improve product quality

Low pressure drop

- Keeps pumping costs down

Easy to install

- Mechanical totaliser
- No power supply needed



Application

The S Series are suitable for filling, fuelling, batching and monitoring. You can use them to meter oils, petrol, diesel and chemicals.

Instrumentation

The S Series can have an integral totaliser or it can be combined with a preset batcher and an automatic mechanical shut-off valve to provide a purely mechanical batching system that is suitable for Intrinsically Safe areas. Pulsed outputs are available for transmission to control systems or remote displays.

Principle of Operation

The flowmeters use the tri-rotor positive displacement method. As liquid passes through the meter the rotor sweeps a precise volume of liquid with each revolution. The movement of the rotor drives a mechanical totaliser or generates pulses to feed to instrumentation.

Construction

The body material can be aluminium or stainless steel with viton or PTFE seals.

Calibration

Each meter is individually calibrated using a dry stepless adjuster. They are approved to EC Weights and Measures standard for the resale of oil and petroleum products.

Options

There is a range of equipment for use with the S series flowmeters. These include air eliminators, check valves, filters and counters.

Installation

The flowmeter is installed directly into the pipeline. To prevent foreign particles blocking the flowmeter we recommend you install a filter before the flowmeter.

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S Series PD Flowmeter

Specification

Accuracy:	+/-0.25%
Maximum temp:	120°C
Max. pressure	10.5 bar
Connections:	BSP or companion flanges

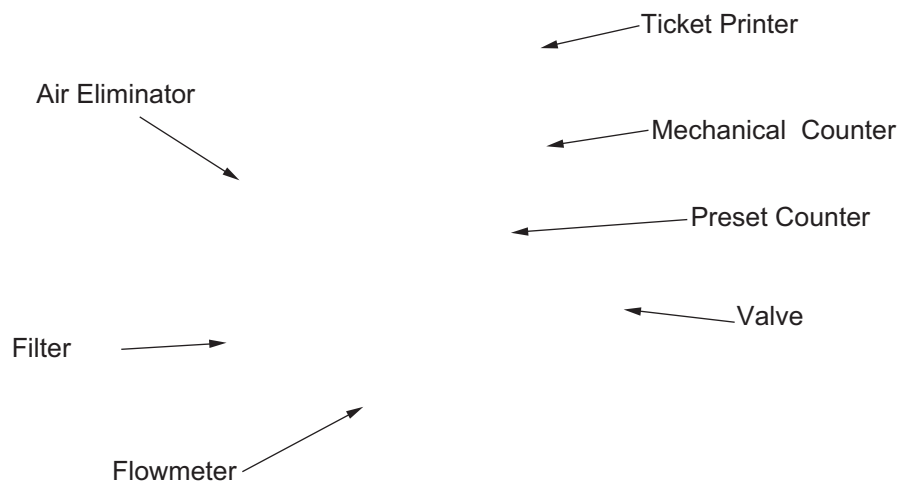
Materials of Construction

Body and rotor:	Aluminium or stainless steel
Gears:	Ductile iron or stainless steel
Seals:	Viton or PTFE

Flowmeter Ranges

Model	Connection	Flow Rates
S5	1½" or 2"	25-250
S7	2"	50-500
S15	3"	100-1000
S30	4"	170-1700
S50	4"	250-2500

Flowmeter Options



Contact our flow measurement specialists for FREE advice on your application

Freefone 0800 328 6674

Freefax 0800 328 6673

e:mail sales@apolloflow.co.uk

website www.apolloflow.co.uk

The expert advice and the calls are FREE
So call now!

**Apollo Flow Measurement Ltd, 2 Bentley Lane Industrial Park,
Bentley Lane, Walsall WS2 8TL Tel: 01922 645 647 Fax: 01922 640 326**

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