

Burner Block Positive Displacement Flowmeter

The Burner Block flowmeter is a precision machined positive displacement flowmeters capable of measuring a wide range of liquid flows and viscosities.

Each flowmeter is manufactured from aluminium with a high temperature, high impact rotary piston.





Features / Benefits

- Flow: 2~ 50 litres/min (0 .5~13.2 US gal/min)
- Size: 25mm (1")
- High accuracy & repeatability, direct reading flowmeter
- No requirement for flow conditioning (straight pipe runs etc.)



Meter selection

Meters are selected based on temperature, material compatibility and functionality.

- Aluminium flow meters are ideal for lubricants including oils and grease, fuels and fuel oils.
- Pulse meters have two pulse outputs which can be interfaced to most electronic instrumentation.
 - The Reed Switch is also used for integrating and batching applications & is connected into an approved intrinsically safe barrier when used in hazardous locations.
 - The open collector Hall Effect output produces high resolution pulses ideal for precise dispensing and preset batch control.
- *Meters* available with an integral totalisers and flow rate totalisers.

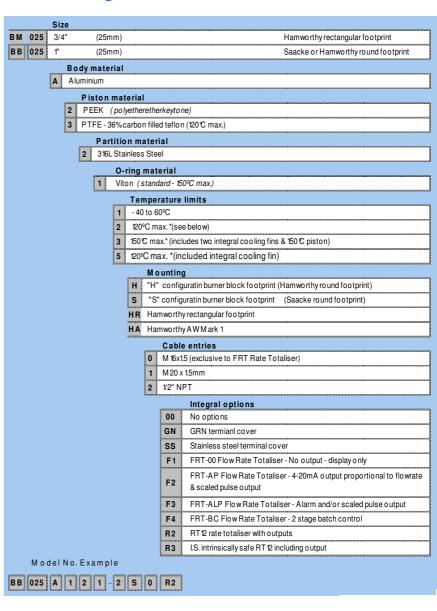




Specification

Basic Model No.	BB025A
Size	25mm
Process connections	burner block footprint
Flow range Litres/hr (US gal/min)	120 ~ 3000 (0.5 ~ 13.2)
Accuracy & Repeatability	+/- 1% of rate, +/- 0.1% repeatability typical with steady flows
Max. pressure – Aluminium	30 bar (440psi)
Temperature range	-40℃ ~ +150℃ (-40℉ ~ +300℉)
Meter Materials	Aluminium
Piston Materials	PEEK (polyether ether keytone) or ERTALYTE
O-ring Material	Viton (Std), EPR, Teflon or Buna-N (nitrile)
Reed Switch output	24Vdc max./50mA max. (current limited)
Pulses/litre (nominal) (Pulses/US gal nom.)	20 (76)
Square Wave output (optional)	5~24Vdc max./20mA max. sink current (3 wire NPN open collector)
Pulses/litre (nominal) (Pulses/US gal)	100 (380)
Protection class	IP66 (NEMA4X) – optional, Explosion proof Exd IIB T4 (class 1, Div.1)
Conduit entry port	M20 x 1.5mm female threaded (with terminal cover optin)
Suggested filtering (mesh)	250 microns (50)

Ordering information



Note: Special build versions in stainless steel are available for tallow applications.

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