

BM Series Positive Displacement Flow Meter



Advantage

- Excellent stepless adjusting mechanism allows a micro adjustment of the meter.
- High accuracy and repeatability over the widest range of flow; Superior accuracy at constant flow
- Low maintenance, no metal-to-metal contact in measuring chamber, Long life service
- Low pressure loss, a true gravity flow meter
- Accuracy regardless of pressure fluctuations, temperature variation, viscosity
- Choice of aluminum, cast iron and stainless steel materials of construction

Technical data

Model	Flow Rate	Diameter	Accuracy	Volume Per Revolution
BM-40	25~250L/min	40mm/1½"	±0.2%	0.309L
BM-50	50~500L/min	50mm/2"	±0.2%	0.681L
BM-80	100~1000L/min	80mm/3"	±0.2%	1.839L



BM-40



BM-50



BM-80

Industries

- Automotive
- Adhesives
- Agriculture
- Asphalt
- Aviation fueling
- Animal feeds
- Beverage
- Cosmetics
- Chemical processing
- Concrete add mixtures
- Dairy
- Liquid fertilizers
- Food processing
- Fuel oil delivery
- General industrial
- Hydrocarbon processing
- Liquefied gases
- Lube oils
- Marine
- Paint and varnish
- Petroleum marketing
- Petroleum production
- Pharmaceutical
- Printing ink
- Pulp & paper
- Refining commercial solvents
- Recycling
- Rail
- Textile

Application

- Refined petroleum products
- A wide variety of products such as: liquid sugars, corn syrup, dextrose, fructose, sucrose, maltose, lactose, corn oil, soy bean oil, cotton seed oil, coconut oil..
- Treated waters (deionized, demineralized, and potable)
- Chlorinated solvents and general solvent metering
- Acid pH liquids
- Liquefied petroleum gas (LPG)
- Crude oil, also for heated and/or viscous liquids
- Oil or water based latex products, polyester resins, and adhesives (neutral pH), also for metering herbicides and nitrogen fertilizer solutions
- Herbicide
- Sodium hydroxide (caustic) solutions, high sulfur crude oil and other alkaline pH liquids
- Abrasive liquids

Construction



Technical Data

Model	BM-40	BM-50	BM-80	BM-100	BM-150
Size	40mm/1½"	50mm/2"	80mm/3"	100mm/4"	150mm/6"
Flow Range:	25~250 L/min	50~500 L/min	100~1000 L/min	130~1300 L/min	300~3000 L/min
Max. Pressure	10Bar/150PSI				
Accuracy	±0.2%				
Repeatability	≤0.05%				
Standard Measurement	Unit Liter/ US Gallon				
Meter Body	Aluminum, Cast Iron, Steel, Stainless Steel available				
Seal & Gasket	Buna "N"; Viton; Teflon available				
Strainer Mesh	80 for Diesel, 40 for Gasoline				
End Connections	ANSI Flanged, NPT, BSPT, Slip Weld available				
Viscosity	30SSU~1,500,000SSU				

Air Eliminator

Aluminum, cast iron, stainless steel available



Strainer

Aluminum, cast iron, stainless steel available

Model	Diameter
BM-50	50mm/2"
BM-80	80mm/3"
BM-100	100mm/4"

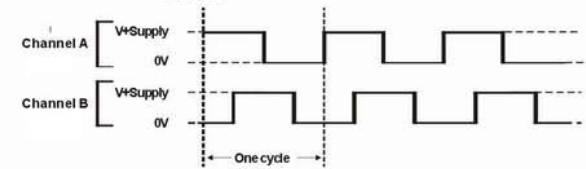


Encoder

- Voltage (V+): +8~24VDC
- Current: 26mA typical
- 100 pulses per encoder revolution
- Operating temperature range: -40°C ~ +85°C (-40°F ~ 185°F)



Output



Mechanical Register

The mechanical Register is the outstanding choice for recording and displaying delivery data in a wide variety of industries. In the petroleum refining and distribution field, it is used from the well to pipelines and storage centers, then to gasoline and fuel oil delivery trucks. In the chemical processing field, it can be used for displaying totals during mixing and batching operations. The mechanical Register totalizes and displays high speed deliveries and transactions in large easy-to-read figures.



Advantage

- New crisp, high visibility digital display for optimum readability in all ambient lighting.
- Latest technology, modern materials give maximum dependability at speeds to 250 rpm of right wheel ord.
- Positive action knob reset.
- Built-in precision totalizer accumulates up to 99,999,999 units, Delivery display 5 digital.
- Acetal resin components for smooth operation and extra long life.
- Fits all popular flow meters.