

Low Flow Oil Meters

Model 40 & 50, Sizes: 1 1/2" & 2"



General

Model 40 & 50 oil meters are high accuracy positive displacement meters typically used for measuring Diesel, #2, 4 & 6 Fuel Oil, or Kerosene. They use an oscillating piston type construction as the basis of measurement and are available with either a mechanical or LCD index. The LCD has running total, resettable total and flow. They are typically used on industrial burners, generators or engines.

Materials/Construction

Body:	Cast Bronze
Working Chamber	Brass (Mod 40) Bronze (Mod 50)
Cover	Plastic (oil proof)
Pistons	Anodized Aluminum
O-rings	Viton
Safety Strainer (included)	316 Stainless Steel

Strainer/Filter Mesh Requirements

Size	Safety Strainer	Required Filter (microns)
1 1/2" Mod. 40	20 mesh	30-40 mesh (600 µ)
2" Mod. 50	20 mesh	30-40 mesh (600 µ)

Operating Specifications / Tech Data

Accuracy	+/- 1%
Max Op. Pres. PSIG (bar)	150 (10)
Max Op. Temp. °F (°C)	266 (130)

Flow Range GPH (l/h)

Size	Min	Cont. *	Max
1 1/2" Mod. 40	60 (225)	1600 (6000)	2400 (9000)
2" Mod. 50	200 (750)	5300 (20000)	8000 (30000)

Connections: NPT Fittings provided for 1 1/2", Flanges for 2" sold separately

For Sales & Service Contact:

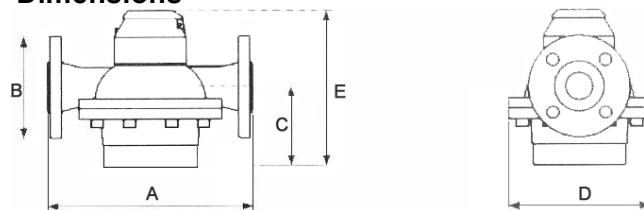
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Dimensions



Dimensions in inches

Mod	Size	A	B	C	D	E				Lbs
						Std	Reed	Ind	LCD	
40	1 1/2"	11.875	5.88	4.5	8.25	9.06	10.04	10.5	10.5	45.2
50	2"	13.75	6.5	6.5	11.0	11.26	12.21	12.8	12.5	88.2

Std: Std. mech index, Reed: w/ Reed Pulse, Ind: w/ inductive Pulse

Installation Considerations

No straight pipe required before or after the meter.

Can be installed horizontally or vertically.

A safety strainer is installed on the inlet as standard, but a filter should always be installed upstream of the meter to maintain the required filtration level.

Piping must be configured such that meter is always filled with liquid and no air or gas can enter the unit.

Meters selection should be based on the Continuous Flow* rate limit. The meter can run at Max flow for no more than 1 hour per day.

A shutoff valve after the meter is recommended.

Specially matched pairs of meters are available for differential measurement.

Options & Accessories

- Mechanical registers available with pulse output: Reed Switch Form A (2 wire) Output
 - 1 Pulse = 10 Gallons
 - Max Voltage 48 V AC/DC
 - Max Current: 50 mA
 - Max Switching Power: 2W
 - Max Resistor (47 Ohm) Power: 0.5W
 - Duty Cycle: 50%
- Inductive Pulser (slot sensor), P&F # SJ3.5-E2, 5-15VDC, 2 Wire (must be special ordered)
 - 1 Pulse = 0.1 Gallons
- Alternate body, piston and o-ring materials available for measuring Freon, gasoline and a variety of other oils and liquids.
- Remote totalizers
- Flange kits for 2" models