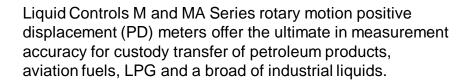


Specifications M-5 Meter



Superior performance features

Low pressure drop – will operate on gravity flow or pump pressure.

Sustained accuracy – no metal-to-metal contact inside the measuring chamber means minimal wear and deterioration in accuracy over time, fewer recalibrations and a longer service life. Meters conform to NIST and International Weight and Measures accuracy requirements.

Wide viscosity range – LCE meters can accurately meter products from less than 30 SSU (1 cP) to 1500000 SSU (325000 cP).

Maximum adaptability - choice of stock or custom elbows/fittings provides unequaled mounting flexibility to meet widely varying installation requirements.

Industries served

LC series M and MA meters are well-suited for use in industries requiring precise flow measurement and reliable, extended service life:

- Refined petroleum products
- Aviation fuels
- LPG
- Agricultural chemicals
- Paints and coatings
- Foods and beverages
- Petrochemicals
- Pharmaceuticals
- Cosmetics
- Printing inks
- Textiles

Accuracy/Performance

Repeatability

Mechanical registration: capable of 0.05% of reading over entire range Electronic registration: capable of 0.03% of reading over entire range

Linearity

Over 5:1 range

Mech. registration: capable of $\pm 0.125\%$ or better from max nom. flow rate Elect. registration: capable of $\pm 0.10\%$ or better from max. nom. flow rate

Over 10:1 range

Mech. registration: capable of $\pm 0.22\%$ or better from max. nom. flow rate Elect. registration: capable of $\pm 0.10\%$ or better from max. nom. flow rate

Over 40:1 range

Mech. registration: capable of $\pm 0.5\%$ or better from max. nom. flow rate Elect. registration: capable of $\pm 0.15\%$ or better from max. nom. flow rate

Temperature range

-40° F to 160° F (-40° C to 71° C)

Construction

Meter housing and rotors Cast aluminum (other metallurgies, available including brass, cast-iron and stainless steel)

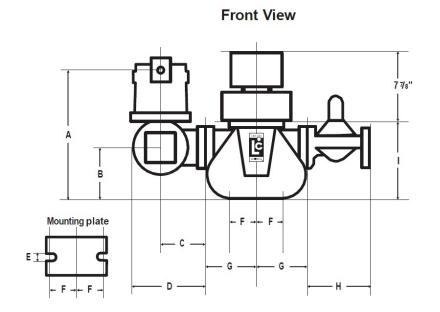
Internal components Aluminum, Ni-Resist, stainless steel

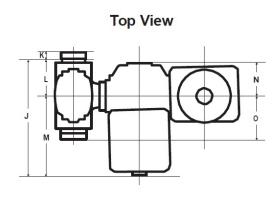
Seal material UL recognize component: Buna-N, Viton, Teflon

Bearings Carbon, Teflon, Ni-Resist

Dimensions: flow meters with electronic registration

Note: Dimensions shown are not for construction use. Consult factory when certified engineering prints are required.





Model	Flange size	Max nom. Flow rate	Working pressure	Net weight	Dimensions						
						Α	В	С	D	E	F
M-5	1½" or 2"		10,5 bar (150 PSI)	6,4 kg (14 lbs)	in	14.2	5.3	4.1	6.8	.56	1.9
					mm	360	135	105	172	14	48
					Dimen	sions					
	G	н	1		J	К	L	М		N	0
in	4.9	8.3	8.6	1	3.9	.9	4.7	9.2	2	3.2	4.6
mm	125	213	219	3	352	24	119	233	3	81	116

Construction and application classes

LC series M and MA PD meters are suitable for metering a broad range of products as listed below. The appropriate meter class can be used to specify a desired meter by using the table on the next page of this publication.

Class	Description	Bearing Material	
1	Refined petroleum products	Ni-Resist	
2	Aviation and jet fuel	Ni-Resist	
3	Variety of product includes: liquid sugars, sweeteners, syrups, vegetable oils	Ni-Resist	
4	Treated waters and solvents where no red metals are allowed	Carbon	
8	Acid pH liquids includes: nitric, phosphoric, glacial acetic acids, citric juices, vinegar	Carbon	
14	Crude oil	Ni-Resist	
16	General solvents	Carbon	
30	Herbicides	Carbon	



LIQUID CONTROLS EUROPE

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