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Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
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Пенза (8412)22-31-16

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MS Series



Product Application:
- Terminal & Bulk Plant

Description

Liquid Controls steel-case MS-Series rotary motion positive displacement (PD) meters offer the ultimate in flow measurement accuracy for bulk custody transfer of petroleum products, aviation fuels, LPG, crude oil, petrochemicals, and a broad range of industrial liquids. MS-Series meters incorporate a unique design, presenting minimal intrusion in a flowing stream of liquid, as well as minimal pressure drop through the meter.

Liquid Controls MS-Series meters consist of an outer spherical steel-case shell with flanged inlet and outlet ports. The shell houses a traditional LC metering element that employs three rotating and synchronized rotors. These rotors accurately segment flow into a precise volume of liquid for each revolution, with no metal-to-metal contact inside the measuring chamber. Hydraulic sealing between the rotors and the measuring chamber wall is accomplished by a stationary boundary layer of liquid—not by the wiping action of mechanical parts—thereby ensuring sustained accuracy, long service life with minimal wear, and low pressure drop suitable for operation on gravity low or pump pressure.

All MS-Series spherical shells are constructed of steel or stainless steel. Epoxy coated versions are available for aviation applications. Metering elements are available in metallurgies and seal materials suitable for a wide range of petroleum, petrochemical, and industrial applications.

MATERIAL OF CONSTRUCTION:

- Meter housing: Steel or stainless steel (epoxy coated steel available for aviation and other applications)
- Meter element and rotors: Cast aluminium (other metallurgies available including cast iron and stainless steel)
- Internal components: Aluminium, Ni-Resist, Stainless steel, iron
- Seal materials: NBR, FKM, PTFE

PRESSURE RATING:

MS-Series 275 PSI (19 bar)

MODEL	FLANGE SIZE	MAX NOM. FLOW RATE
MSAA, MSA 30	3"	1325 l/min (350 GPM)
MS, MSAA, MSA 75	4"	2650 l/min (700 GPM)
MSAA, MSA 120	6"	3785 l/min (1000 GPM)

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