

1.5" 250lpm

# MC 505

Positive Displacement Flow Meter



METERS

CO

## > Technical Data

Input – Output: 2" x 2" Standard (1" Optionally)

Type of flange: ANSI, Square NPT, BSPF

Nominal Flow Rate: 25 – 250 lpm (7-70 gpm)

Standard measure unit: Litres (US Gallon optionally)

Max Pressure: 10.3 bar (150 Psi)

Repeatability: 0.02%

Accuracy:  $\pm 0.12\%$  over a range of 5:1

Viscosity Range: 30 to 1,500,000 SSU (1 to 325,000 cps)

Working Temperature:  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

Absolute compatibility with all Veeder Root components



# Highlights:

- Lack of internal friction (No metal-to-metal contact)
- Reduced number of parts
- Long lifetime
- Self-lubricating
- Low and easy maintenance
- Low drop pressure between parts
- Simple and robust design
- Bi-directional liquid flow
- Meets Worldwide Weights and Measures Standards
- Repeatability under diverse conditions and products



## Advantage

Continuous Accuracy over a wide range of transfer conditions:

- ✓ flow rates
- ✓ pressure rates
- ✓ product temperature variations
- ✓ liquid viscosity

**Meters Control** Positive Displacement Flow meters offer the ideal solution in a variety of applications, in which transfer of petroleum products is implicated and high accuracy is required.

**Meters Control** Positive Displacement flow Meters use the long time proven technology of Tri-Rotor and Vane, with no friction due to the precise accuracy tolerances of the principle.

The **MC** Series Flow Meters are designed and engineered in European Union and they are certified according to:

Directive 94/9/EC (**ATEX**)  
Directive 2004/22/EC (**MID**)

Above European Certificates guarantee Accuracy Repeatability and Long Life.

## TYPICAL APPLICATIONS

Check of loading / unloading operations of fuel and petrochemical products in fuel bulk plants and/or refineries

On truck tanker for fuel transport and delivery

Heavy duty fuel dispensing system for big vehicles and airplanes

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