



Neptune RML2000

LPG Mass Flowmeter
with Mid:Com E:Count



The Neptune RML2000 mass flowmeter brings fully electronic flow measurement and transaction management to the bobtail. Successful in industrial applications for decades, Red Seal Measurement Coriolis mass measurement technology has also proven to be efficient, reliable, and cost-effective in mobile applications.

Coriolis mass measurement reduces LP Gas product loss because of outstanding accuracy stability between yearly calibrations. Compared to traditional mechanical flowmeters, the Red Seal Measurement mass flowmeter offers better accuracy with higher flow rates over a longer service life. Its unobstructed dual vibrating tube design has no moving parts and reduces maintenance costs related to both product measurement and registration.

The Coriolis mass flowmeter provides volumetric flow measurement of LP Gas when interfaced with the Mid:Com E:Count electronic

register. Electronic temperature compensation further enhances volumetric measurement accuracy.

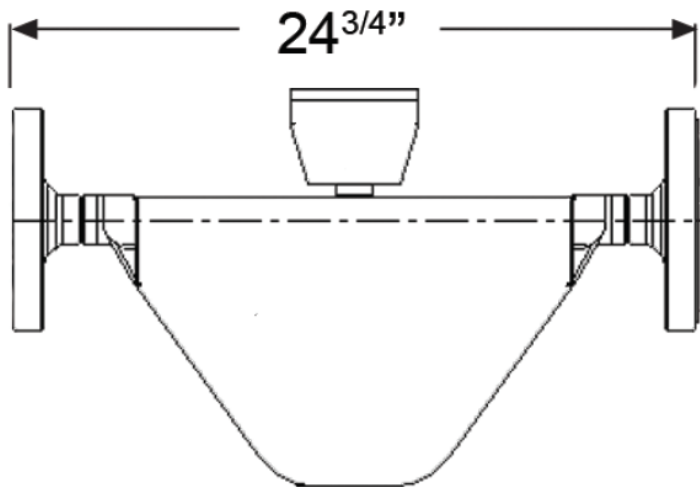
The E:Count's menu-driven register functions are easy to learn and remember. Interfacing through common handhelds and laptops makes data management fast and easy between truck and office.

This space-efficient system is cost-effective to implement on both new and existing vehicles. Retrofitting is easy using existing Red Seal Measurement vapor releases and differential valves. The system provides stable accuracy, reduced maintenance, and fast payback, plus the most cost-effective upgrade path in the market (from simple pump and print to complete electronic transaction management). Couple these benefits with strong Red Seal Measurement support, and you can start realizing the benefits of total electronic operations today.

Features and Benefits

- Reduced product loss between yearly calibrations
- No moving parts means more reliable operation, less downtime and longer life cycles
- Typical payback less than two years based on accuracy stability alone
- High-frequency electronic temperature compensation sampling for improved accuracy
- Easy to use Mid:Com electronic register handles 99 products and pricing tables
- From simple pump and print to full electronic inventory management - all in one model without upgrades

Dimensions



Specifications

PHYSICAL	
Wetted parts	316L stainless steel
Sensor housing	304L stainless steel
Weight (transducer only)	13 kg (28 lbs)
Line size	51 mm (2 in.)
PERFORMANCE	
Approved volumetric flow rate	30–310 litres/min (8-82 gpm)
ENVIRONMENTAL	
Temperature range (E:Count register) ¹	-40 to 60°C (-22 to 140°F)
Pressure rating	24 bar (350 psi)
APPROVALS	
US Weights and Measures	Certificate No. 06-009A3 (RML2000 with Mid:Com E:Count)
Measurement Canada	MAL-V212, AV-2392C (RML2000 with Mid:Com E:Count)
UL and CSA	Class 1, Div. 2, Groups A, B, C & D (RML2000 only)

¹There is no ambient temperature limit for the transducer.

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