

acme

VTM Series TURBINE METER



VTM 150 SERIAL NO. 0133 HSC APPROVAL 10/21/01
UM FLOWRATE 500 L/min, MINIMUM FLOWRATE 0.1 L/min
LIQUID TEMPERATURE RANGE 0°C TO 40°C
APPROVED FOR LPG DENSITY 0.500 TO 0.600 kg/L
MAX QUANTITY 100 LITRES MAX, OPERATING PRESSURE 3000 kPa

acme FLUID HANDLING PTY. LTD.

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Quality System

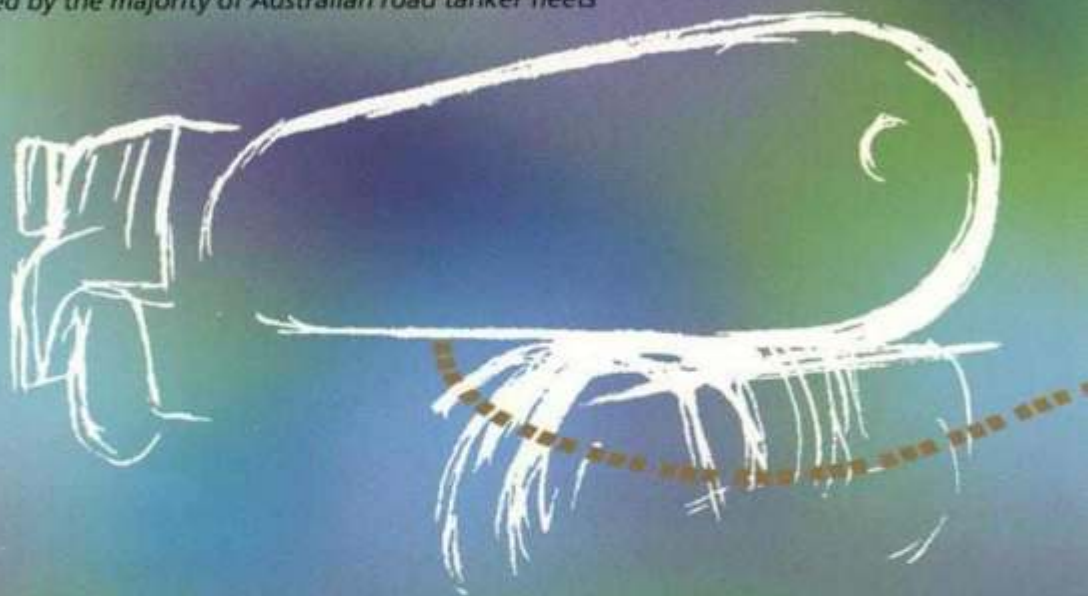


Quality
Endorsed
Company

ISO 9002 Lic. 5941
Standards

VTM Series TURBINE METER

Specified by the majority of Australian road tanker fleets



The **acmc** VTM series turbine meters are primarily designed for the flow measurement of liquid hydrocarbons but may be used on a wide range of other liquid products. The instruments have been NSC approved for L.P. Gas of density between 0.500 and 0.600 kg/L for liquid temperatures between 0 and 45°C (-32 to 113°F). The meters may be installed in a fixed location or in a portable module (including vehicle mounted). The maximum and minimum flow rates are shown in the accompanying data sheet. The meters must be installed between flow straightening elements as specified in AS 2651 and API 2534. A typical installation is illustrated overleaf.

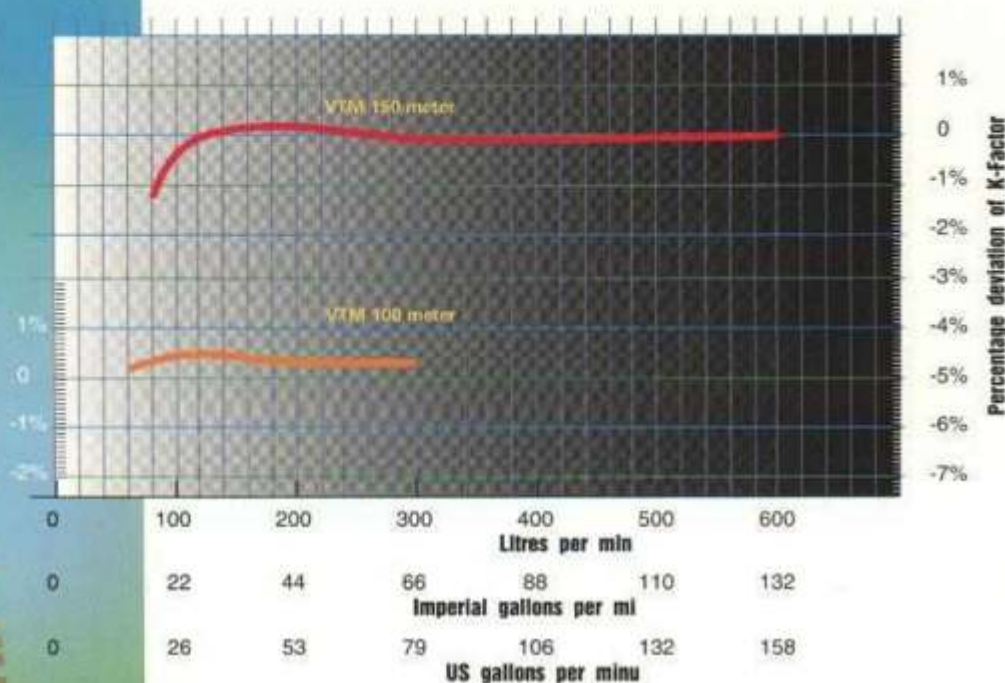
The electrical output of the meters is designed to input an **acmc** 5200 series electronic indicator with the added option of a slip printer.

The meters are fitted with ASA 300 (B16) raised face steel or stainless steel flanges. All other wetted parts are of stainless steel construction, the rotors having helical blades for optimum flow characteristics.

These meters are the only turbine meters wholly designed and manufactured in Australia to be granted NSC approval.

Operational experience under rugged operating parameters indicated negligible bearing wear after 300 million litres. Due to the advanced technology used in the construction of these meters, no user serviceable parts are available for spares.

A changeover reconditioned meter service is available.



The **acme** VTM 100/VTM 150 LPG Turbine Flow Meters represent a significant improvement in the design of turbine flow meter for LPG use in respect of its linearity, durability, and low maintenance requirement. It is a cost-effective solution to the problem of metering LPG. It has great potential for import replacement as well as for export and has application for materials metering in other countries.

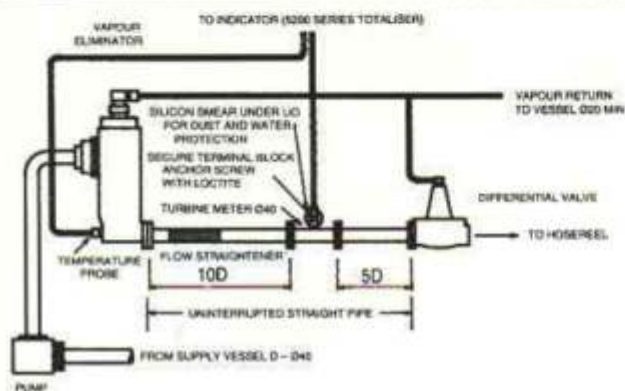
Australian DesignMark Citation



SPECIFICATIONS

200 150 100 075

TYPICAL INSTALLATION



NOMINAL BORE

Ø50 Ø32 Ø25 Ø20

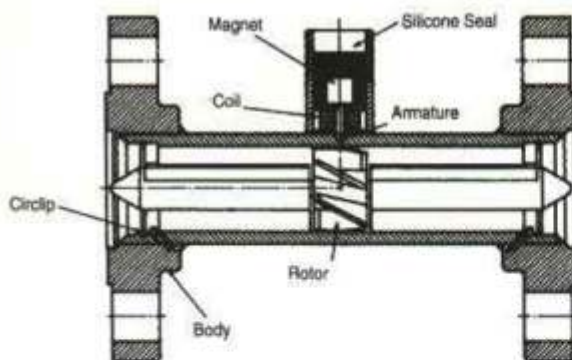
MATERIALS

BODY -	Sch. 80 stainless steel
BODY SPIDERS & ROTOR	Stainless steel
FLANGES -	Stainless steel or carbon steel
BEARINGS -	Teflon impregnated or Carbide

TEMPERATURE

STANDARD RANGE - 50°C to 150°C

GENERAL ARRANGEMENT




PRESSURE RATING

1900 kPa

PRESSURE DROP

AT FULL RANGE 0.2 Kg/sq.cm.

ELECTRICAL OUTPUT

To suit compatible  Totaliser

LIQUID FLOW RANGE (litres per minute)

MAXIMUM	1,000	500	300	75
MINIMUM	200	100	60	15

AGENT/DISTRIBUTOR



LISTED
METER FOR LP-GAS
83KL