

# MMS SERIES : MPD RANGE

## FUEL DISPENSING UNITS

**BUILDING TRUST SINCE 1949**



The MPD range of MMS series units is designed for use with up to 4 products, 8 nozzles and 4 simultaneous fueling positions.

This range is available in varying footprints and options, with flow rates ranging from 40LPM - 80LPM, and for use with pressure and suction systems.

There is also an extensive range of optional extras that can be retrofitted onto the device as and when required.

### KEY FEATURES

#### ELECTRONICS

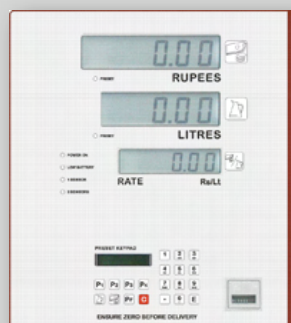
Extremely secure electronics based on SMD components, proprietary programming for electronic calibration. Capability to interface with a wide range of FCCs and 3rd party devices.

#### USER INTERFACE

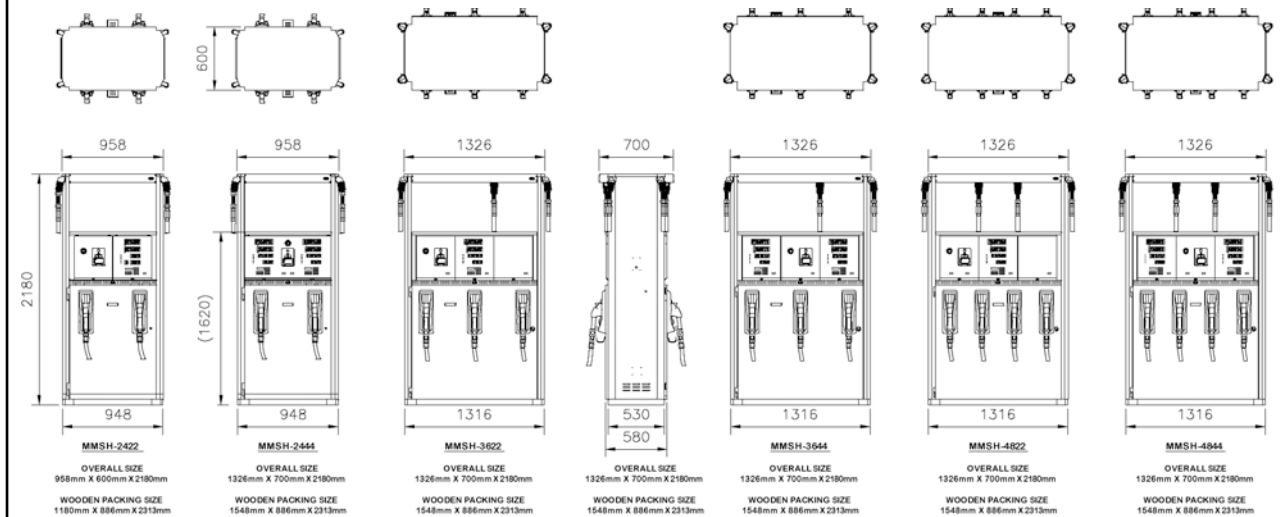
Customer and user friendly features like large, bright displays, thermal printer receipts, alphanumeric keypad, ergonomically designed rugged nozzle boot.

#### OPTIONAL EXTRAS

Units come with a range of options like encrypted communication between components, density display, IFSF converter device, Stainless Steel panels, vapour ready, sight-flow indicators, interface with remote jumbo displays and handheld terminals.



### Dimensional Details



### Technical Specifications

<b>Meter</b>	Positive displacement 2 piston meter with provision of electronic/mechanical calibration; measuring accuracy of 0.25%; maximum working pressure of 3.5kg/cm <sup>2</sup>	<b>Hose</b>	Steel braided hardwall hose, 19mm x 4m [0.75" x 157"] for standard duty or 25mm x 4m [1" x 157"] for heavy duty
<b>Display Counter (backlit LCD)</b>	Amount – 7 digit of 38mm [1.5"] settable & floating decimal Volume – 6 digit of 38mm [1.5"] Rate – 4 / 6 digit of 25mm [1"] settable decimal	<b>Flow rate</b>	Standard duty 40 LPM and heavy duty 80 LPM
<b>Pumping unit (suction model)</b>	Internal gear rotary self-priming positive displacement type, with in-built adjustable by-pass valve, suction & discharge strainers, self contained air separation chamber	<b>User interface</b>	Input through a 20 key alphanumeric keypad 20 character, single/two line display 4 programmable keys for preset volume/amount
<b>Motor (suction model)</b>	Single/three-phase, 110/220 V, 50/60 Hz, flameproof, continuous duty, class F insulation, thermal protection provided	<b>Operating environment</b>	Temperature of - 10°C to + 50°C; relative humidity of 5% to 95%
<b>Strainer (pressure model)</b>	Aluminium cast body with re-usable type stainless steel filter (75 microns)	<b>Communication Port</b>	RS 485 serial type Proprietary protocol
<b>Shear valve (pressure model)</b>	38mm [1.5"] in size, installed on fuel supply lines beneath dispensers	<b>Self diagnostics</b>	Error codes for all major error conditions related to pulser, calibration, data corruption are detected and displayed for quick diagnostics
<b>Nozzle switch</b>	ON/OFF contactless reed switch	<b>Data security</b>	3 tier user/password hierarchy for access to system parameters
<b>Totaliser (Irreversible)</b>	Electromechanical – 7 digit Electronic – 10 digit	<b>Packing</b>	Wooden packing as per international standards to ensure safety of pump during transit
<b>Pulser signal</b>	10ml (least count)	<b>Approvals</b>	CE-ATEX, OIML, Local safety and metrological approvals are available / can be obtained  <small>*Specifications subject to change as per market requirements</small>
<b>Nozzle</b>	Automatic pressure/non-pressure sensitive of 19mm [0.75"] for standard duty or 25mm [1"] for heavy duty		

### Optional Extras

Interface with jumbo displays and handheld terminals	Encrypted communication between components	Hose protection ring
IFSF interface card	Stage II vapour recovery ready	Splash/drip guard for nozzle
4 <sup>th</sup> display line for density	Stainless steel panels	Coloured hose and nozzle boot
Rate – 6 digit	Sight flow indicator	



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