

ECO



A special design for industrial applications in factories, building sites, skid systems and mobile containers. MEKSER ECO offers the best economic refuelling solutions while maintaining commercial dispenser functionality.

## ELECTRONICS

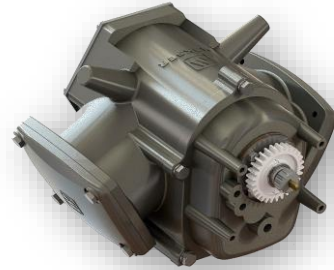
The state-of-art designed high-tech MKR-5 pump calculator meets market specific requirements demanded from a dispenser electronics. MKR5 communicates with all major automation and forecourt site controllers and thus providing wide range of flexibility for different applications.



Electronics	MKR5 + HC
Type	SMB & Modular Design
Functions	1-2 Product 1-2 Nozzle 1-2 Filling
Mains Supply	Calculator: 240 VAC Suction: 240/380 VAC
Frequency	50 ±5 Hz
Operating Temperature	-25°C ~ +55°C
Humidity	100%
Consumption	Calculator: 55 W Motor: 0.55 kW
Electronic Totals	10 Digits (E & NE)
Electromechanical Totalizator	7 Digits (non-resettable)
Preset Programming	Volume / Amount
Preset Programming (Option)	2 Button (big-small value)
Password Protection	User and Service Access
Electronic Calibration	Smart Pulse Generator
Solenoid Valve Drive	Two Stage
Display (Standard)	8" LCD, 1" Digit, Orange Backlit
Display (Option)	10" LCD, 1¼" Digit, Blue Backlit
Communication Port (Current Loop - RS485)	Current Loop, RS485
Fiscal Cash Register Compatible	✓

## FLOWMETER

At the heart of every MEKSER dispenser lies 35 years of hydraulic know-how and manufacturing experience. Fully machined in-house by high technology CNC machines, assembled and tested by experienced craftsmen. MEKSER hydraulics carry international quality and accuracy approvals.



Flowmeter	PM2
Type	Positive Displacement
Piston	2
Cylinder Volume	0.50 Lt./Rev.
Body	Aluminium Injection
Minimum Measured Volume (MMQ)	2
Accuracy	%±0.05 (better than %±0.25)
Maximum Pressure	0.3
Temperature Range of Liquid	-20°C ~ +50°C
Type of Liquid	Gasoline and Diesel
Mechanical Calibration	Optional
Electronic Calibration	Standard

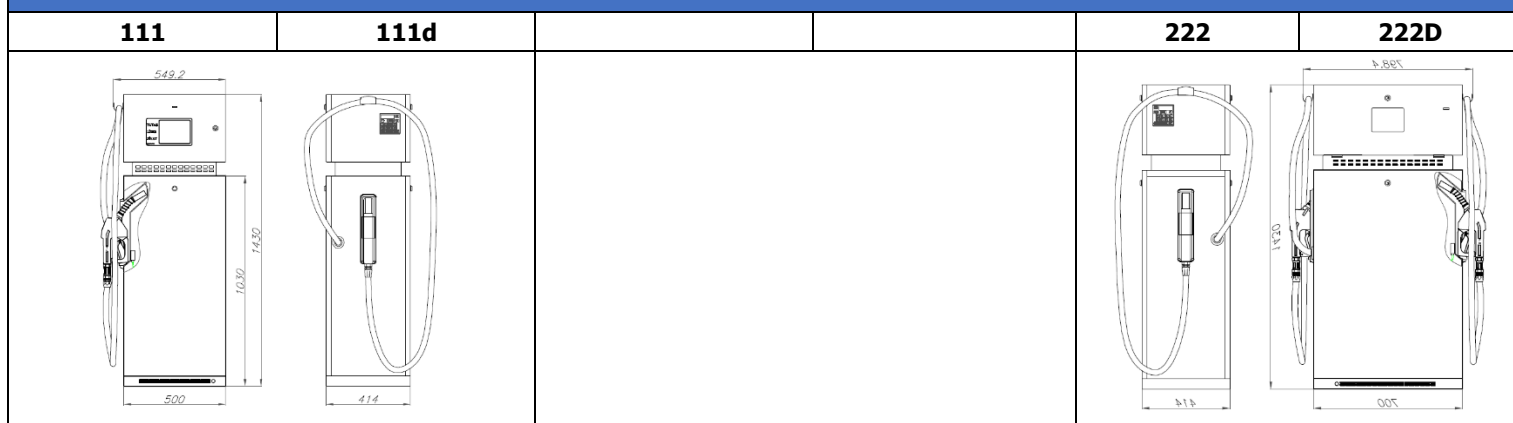
## PUMPING UNIT



VP80G is a self-priming gear type suction unit with a certified gas separator, adjustable sealed by-pass valve, control valve and washable stainless steel inlet filter. VP80G works silent with proven performance in the harshest conditions. VP120 is a self-priming vane type suction unit with the same functionalities for heavy duty applications.

Suction Unit	VP80G	VP120
Type	Gear	Vane
Body	Aluminium Injection	
Maximum Flow (Lt./Min.)	80	120
Pump Rev (rpm)	680	680
Noise (dB)	70	82
Operating Pressure (bar)	2 - 2.5	3 - 3.5
Dry Suction (mmHg)	450	450
Min. Fuel Suction (mmHg)	740	740
Inlet Filter (Suction Type)	✓	✓
Cartridge Filter (Pressure Type) (10 µm – 30 µm)	✓	✓

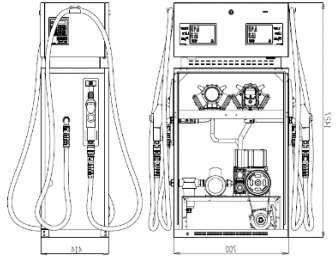
## ECO Standard Models



### Technical Features M300 ECO Series Fuel Dispensers

		<b>111</b>	<b>111D</b>			<b>222</b>	<b>222D</b>
System		Suction	Pressure			Suction	Pressure
Fuel Type		1	1			2	2
Nozzle Automatic	3/4"	1	1			2	2
Simultaneous Filling		1	1			2	2
Display 1"	8-6-6	1	1			2	2
Capacity		Standard: 45 Lt./Min.					
Hose	4 Mt.	Standard: 5/8"					
Operating Temperature		-25°C ~ +55°C					
Relative Humidity		100%					
Supply Voltage		Single Phase: 220 VAC ±%15    Three Phase: 380 VAC ±%15					
Frequency		50 Hz ±5					
Power Consumption							
Electronic Unit		100 W	100 W	100 W	100 W	100 W	100 W
Motor Three Phase	3/4 Hp.	0.75 kw	--	0.75 kw	--	0.75 kw x 2	--
Dimensions (width x depth x height)		Dimensions may differ depending the options.					
Net	cm	42*50*135	42*50*135	42*50*135	42*50*135	42*70*146	42*70*146
Gross	cm	55*70*156	55*70*156	55*70*156	55*70*156	55*90*167	55*90*167
Suction Pump (Suction Types)		Gear Type	--	Gear Type	--	Gear Type	--
Accuracy		± 0.05% (better than ± 0.25%)					
Electronic Calibration (on Pulser)		√	√	√	√	√	√
Electro-mechanical Totalizer	7 Digit	√	√	√	√	√	√
Amount / Volume Preset		√	√	√	√	√	√
Nozzle Swivel	360°	√	√	√	√	√	√
Breakaway	3/4"	√	√	√	√	√	√
Spin-on Filter (Pressure Types)	10μ - 30μ	--	√	--	√	--	√
Inlet Filter (Suction Types)	SS	√	--	√	--	√	--
Communication Port RS485/Current Loop		√	√	√	√	√	√
Fiscal Cash Register Compatible		√	√	√	√	√	√
Packaging		Wooden Pallet + Cardboard Box + Bubble + Stretched Nylon					

**OPTIONS**  
**M300 ECO Series Fuel Dispensers \***

		<b>111</b>	<b>111D</b>			<b>222</b>	<b>222D</b>
Automatic Controlled Heater	160W x 2	√	√			√	√
Mechanical Calibration (on flowmeter)		√	√			√	√
ATC Sensor		√	√			√	√
Metal Keyboard		√	√			√	√
Single Phase Motor	0.75 kw 1 Hp	√	√			√	√
Heavy Duty Motor	1.1 kw 1.5 Hp	√	√			√	√
Emergency Stop Button		√	√			√	√
High Speed	70 Lt./Min.	√	√			√	√
Heavy Duty	120 Lt./Min.	N/A	N/A			N/A	N/A
Hose		High Speed: ¾ " Heavy Duty : 1"					
Nozzle Automatic		1"					
Breakaway		1"					
Combo Option	Pet Blue	N/A	N/A				

\* Options must be specified on order.

**Approvals**

**ATEX 2014/34/EU**  
**MID 2014/32/EU**

