

PETBLUE



Diesel Exhaust Liquid or Urea Solution, also known as \*AdBlue®; is a mixture produced by adding demineralized water to the cleaned urea. It reduces nitric oxide (85%) and soot particles (40%) excretion in diesel vehicles. \*AdBlue® and SCR technologies have begun to be used in many of today's increasingly popular diesel vehicles.

Mekser PetBlue® dispensers are manufactured according to international standards and carry OIML and MID Certificates. The dispenser is specially equipped for high oxidation risks and to operate at extreme low temperatures.

\* AdBlue® is a registered trademark of the German Association of Automotive Industry VDA (Verband Der Automobilindustrie).

## 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

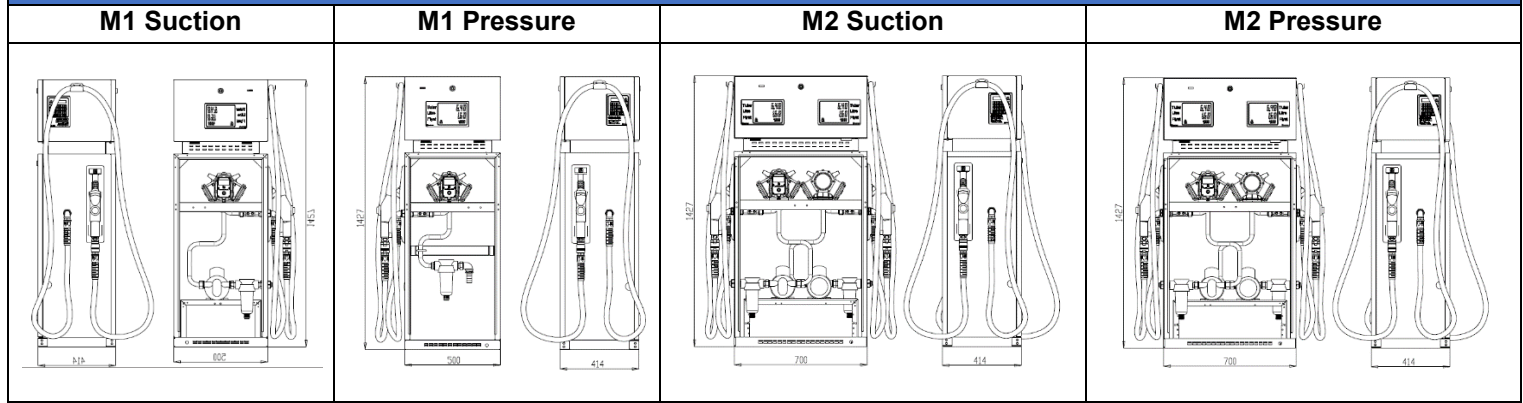
## PUMPING UNIT (Suction Types)



Urea suction pump is a centrifugal type atmospheric suction unit. The body and internal elements are totally suitable for urea solutions. The pump is equipped with a visible glass filter with washable filter element.

Suction Unit	VP80G
Type	Gear
Body	HDPE
Maximum Flow (Lt./Min.)	35
Noise (dB)	60
Operating Pressure (bar)	0.5 – 0.7
Suction	Atmospheric
Inlet Filter (Suction & Pressure Type)	√

## PET BLUE Dispensers



### Technical Specifications of PET BLUE Dispensers

		M 1	M 1	M 2	M 2
		Suction	Pressure	Suction	Pressure
System					
Fuel Type		1	1	2	2
Nozzle Automatic	UREA	1	1	2	2
Simultaneous Filling		1	1	2	2
Display 1"	8-6-6	1	1	2	2
UREA Meter		35 Lt./Min.			
Hose	4 Mt.	Standard: 5/8"			
Operating Temperature		-25°C ~ +55°C			
Relative Humidity		100%			
Supply Voltage		Single Phase: 230 VAC ±%15			
Frequency		50 Hz ±5			
Power Consumption					
Electronic Unit		100 W	100 W	100 W	100 W
Motor Three Phase	3/4 Hp.	0.55 kw	--	0.55 kw x 2	--
Dimensions (width x depth x height)		Dimensions may differ depending the options.			
Net	cm	50*42*143	50*42*143	70*42*143	70*42*143
Gross	cm	60*52*153	60*52*153	80*52*153	80*52*153
Suction Unit (Suction Types)		Centrifugal Type	--	Centrifugal Type	--
Accuracy		± 0.05% (better than ± 0.025%)			
Electronic Calibration (on Pulser)		√	√	√	√
Electro-mechanical Totalizer	7 Digit	√	√	√	√
Amount / Volume		√	√	√	√
Nozzle Body		PTFE			
Nozzle Spout		Stainless Steel			
Nozzle Swivel	360°	√	√	√	√
Inlet Filter(Sight-Glass)		√	√	√	√
Communication Port RS485/Current Loop		√	√	√	√
Fiscal Cash Register Compatible		√	√	√	√
Packaging		Wooden Pallet + Cardboard Box + Bubble + Stretched Nylon			

OPTIONS \*  
PET BLUE Dispenser

		M 1	M 1	M 2	M 2
Automatic Controlled Heater for Electronic Head	160W x 2	√	√	√	√
Automatic Controlled Heater for Hose	15 W/mt.	√	√	√	√
Receipt Printer		√	√	√	√
Pressure System		√	√	√	√
Emergency Stop Button		√	√	√	√
Stainless Steel Nozzle		√	√	√	√
Preset (Amount / Volume)		√	√	√	√
Combo UREA-DIESEL		--	--	√	√

\* Options must be specified on order.

Approvals

**ATEX 2014/34/EU**

**MID 2014/32/EU**

