



Mekser believes that not all pumps are the same. Like a giant wave breaking at its peak, the ARCADIA series connects its stylish design with hydraulic and electronic cabins via a dramatically raked column, which also incorporates easy to handle retractable hose mechanism.

The high hose design of ARCADIA can be also used effectively without retracting mechanism. The Arcadia Line can be optionally specified with partial or complete stainless steel body.

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	1-4 Product 1-8 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

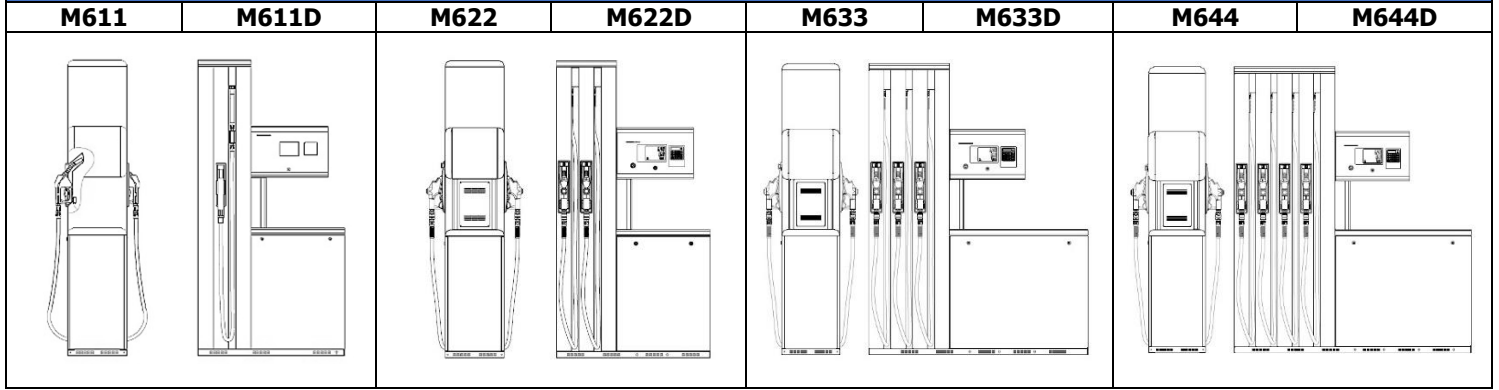
PUMPING UNIT



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)	✓	✓

ARCADIA M600 Visuals



Technical Features M600 ARCADIA Series Fuel Dispensers

		M 611	M 611D	M 622	M 622D	M 633	M 633D	M 644	M 644D
System		Suction	Pressure	Suction	Pressure	Suction	Pressure	Suction	Pressure
Fuel Type		1	1	2	2	3	3	4	4
Nozzle Automatic	3/4" - 1"	2	2	4	4	6	6	8	8
Simultaneous Filling		1	1	2	2	2	2	2	2
Display	6-6-4	2	2	2	2	2	2	2	2
Capacity		Standard: 45 Lt./Min. High Speed: 70 Lt./Min. Heavy Duty: 120Lt/Min.							
Hose	4.5 Mt.	Standard: 5/8" High Speed: 1" Heavy Duty : 1 "							
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	100W	100 W	100W
Motor Three Phase	3/4 Hp.	0.55 kva	--	0.55 kva x 2	--	0.55 kva x 2	-	0.55 kva x 2	-
Dimensions (width x depth x height)		* Dimensions may differ depending the options.							
Net	cm	46*81*220	46*81*220	46*81*220	46*81*220	46*81*220	46*81*220	46*81*220	46*81*220
Gross	cm	65 * 88 * 231	65 * 88 * 231	65 * 88 * 231	65 * 88 * 231	65 * 88 * 231	65 * 88 * 231	65 * 88 * 231	65 * 88 * 231
Suction Pump (Suction Types)		Gear Type	--	Gear Type	--	Gear Type	--	Gear Type	--
Accuracy		± 0.05% (better than ± 0.25%)							
Electronic Calibration (on Pulsar)		√	√	√	√	√	√	√	√
Electro-mechanical Totalizer	7 Digit	√	√	√	√	√	√	√	√
Amount / Volume Preset		√	√	√	√	√	√	√	√
Stop Button		√	√	√	√	√	√	√	√
Nozzle Swivel	360°	√	√	√	√	√	√	√	√
Breakaway	3/4" - 1"	√	√	√	√	√	√	√	√
Spin-on Filter (Pressure Types)	10µ - 30µ	--	√	--	√	--	√	--	√
Inlet Filter (Suction Types)	Metal	√	--	√	--	√	--	√	--
Communication Port (CL / RS485)		√	√	√	√	√	√	√	√
Cash Register Compatible		√	√	√	√	√	√	√	√
Packaging		Wooden Pallet + Cardboard Box + Bubble + Stretched Nylon							

Options *
M600 ARCADIA Series Fuel Dispensers

		M 611	M 611D	M 622	M 622D	M 633	M 633D	M 644	M 644D
Heater	160W x 2	√	√	√	√	√	√	√	√
Mechanical Calibration (on flowmeter)		√	√	√	√	√	√	√	√
Receipt Printer		√	√	√	√	√	√	√	√
Metal Keyboard		√	√	√	√	√	√	√	√
Motor Single Phase		√	√	√	√	√	√	√	√
Emergency Stop Button		√	√	√	√	√	√	√	√
High Speed: 70 Lt./Min.		√	√	√	√	√	√	√	√
Heavy Duty: 120Lt/Min.		√	√	√	√	√	√	√	√
Hose Retraction System		√	√	√	√	√	√	√	√
Hose		High Speed: 1" Heavy Duty : 1"							
Nozzle Automatic		1"							
Breakaway		1"							
Combo Options	LPG or Petblue	√		√		√		√	
Multimedia	19" LCD	√		√		√		√	

*Options must be specified on order

Approvals

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

