M1 DISPENSER
HARDWARE INSTALLATION

INVENTORY MANAGEMENT

DESCRIPTION

The M1 dispenser consists of a dual-hose automatic dispenser and HDA 5 Eco mounted in sheet metal housing. The built-in HDA 5 Eco management system is optimized for the administration of small and medium-sized vehicle fleets and enables the administration of up to 10,000 transactions/4,000 users and vehicles.

INTENDED USE

The M1 dispenser is designed as a dual-sided full service commercial dispenser with Fluid Inventory Control System for use in industry, workshops, filling stations and similar facilities.
It is intended for the control of dispensing during the refuelling of vehicles with liquid and pumpable operating media.

The installation and operation of the M1 dispenser in explosion hazardous areas is not permitted. This would constitute a risk of explosion.

PERMITTED MEDIA

Pumpable operating media includes diesel and DEF. Please check the safety data sheet for your medium.

TECHNICAL DATA

Dimensions: (WxDxH)	Approx Dimensions: 22” x 17.5” x 56”
Voltage	120v 60 Hz
Ambient temperature	-4 °F to 131°F
Protection class	IP54
Max Power Draw	20 A
Weight	300 lbs
Flow rates	22 gpm [diesel], 10gpm [DEF]
Transfer data	Via USB, LAN, WiFi, Cellular
Inlet Connection	1-1/4” FNPT [diesel], 1” FBSP [DEF]

M1 PRO SYSTEM

DUAL SIDED DISPENSER

LCD Display

Lockable Access Panel

Inventory Management

Auto Nozzle

Auto Nozzle

Nozzle Activation Switch

Nozzle Activation Switch

Dual Flow Meters

Dual Pumps
[DEF + Diesel]
[Diesel + Diesel]
[DEF + DEF]

1 1/4” Inlet Diesel Side

1” Inlet DEF Side

*Available Northern Unit

Note: All connections must be finalized with flexible hoses.

www.tecalemitusa.com I support@tecalemitusa.com

Tel +1-281-446-7300 I Fax 281-619-5613

ASSEMBLY INSTRUCTIONS

DESCRIPTION

Before comissioning the dispenser, check that the equipment is complete and undamaged.
Be aware of and follow health and safety regulations. Commissioning of incomplete or damaged equipment is not permitted!

INSTALLING THE M1 DISPENSER

The M1 dispenser must be fastened to a vibration-free solid base. Hoses must be terminated with flexible connections. Failure to do so may void the warranty.

INSTALLATION LOCATION OF THE M1 DISPENSER

The M1 dispenser is designed for installation outdoors. The installation location must be selected such that trouble-free operation and maintenance is possible. The display should be easily visible and the keypad easy to use. The housing door must be able to be opened without being impaired. Installation and operation of the M1 dispenser in explosive areas is not permitted. This would constitute a risk of explosion!

The local and national regulations for waters protection and for plants for water hazardous substances must be observed. Also the local and national regulations for explosion protection must be observed when the medium make them relevant.

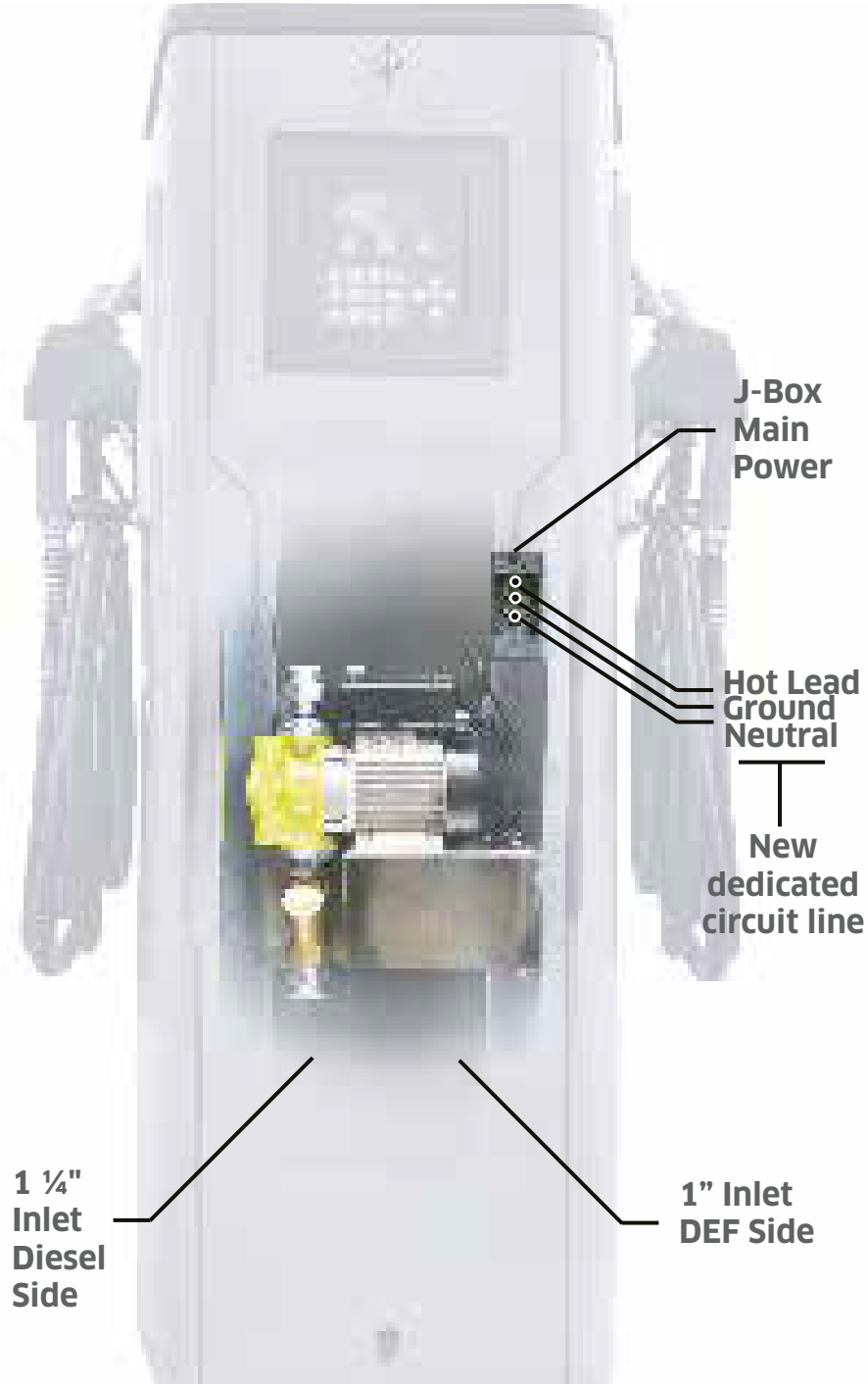
The length of the suction pipe and the suction height have a considerable effect on the pumping capacity of the dispenser. In order to obtain the optimum pumping capacity of the dispenser, the suction line should be kept as short as possible.

In the case of above-ground tanks, a suitable anti-siphon valve or return pipe must be installed by the customer. This avoids environmental damages by unintentional emptying of the tank.

ELECTRICAL CONNECTION

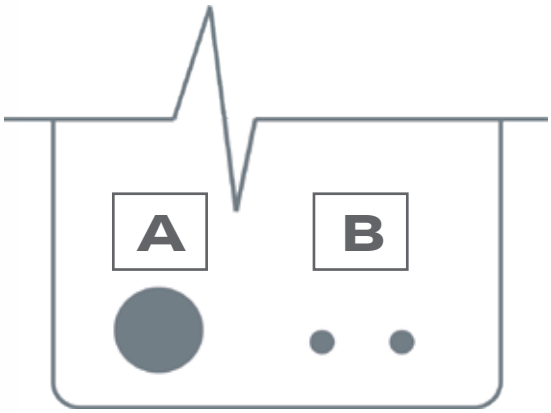
The automatic dispenser is operated on 120 VAC / 60 Hz. Power consumption is 9.5 amps per pump maximum.
Work on the electrical equipment of the device may only be carried out by a qualified electrician or by trained persons under the guidance and supervision of a qualified electrician according to electro-technical guidelines.
For trouble-free operation, a dedicated electrical circuit from the main panel box into the M1 dispenser must be selected! Failure to do so will void the warranty.
The electrical connection takes place according to the connection diagram on the next page.

ELECTRICAL/PLUMBING CONNECTIONS

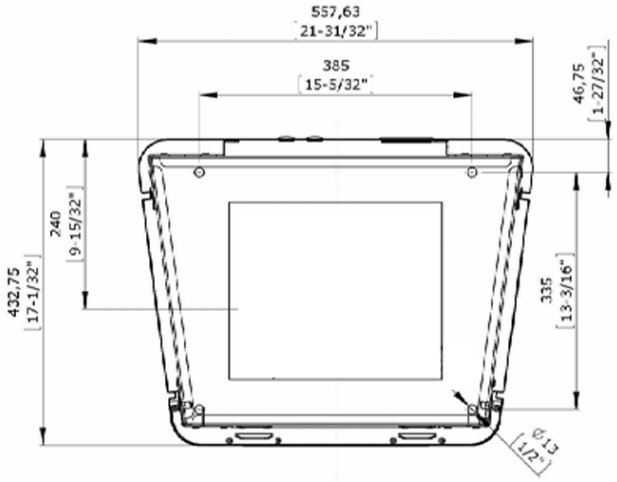


FRONT VIEW

A	2 ¾" Ø ACCESS
B	2 X-1" Ø ACCESS



BACK VIEW



BOTTOM PLATE