



MT500B-81315-24

**DryLine® Dehydrator, Low-pressure membrane, 19 in rack mountable, 3.0–5.0 psig, with discrete alarm, with 24 Vdc inverter**

## **OBSOLETE**

**This product was discontinued on: October 27, 2016**

### **Replaced By**

MT500D

DryLine® Dehydrator, Low-pressure membrane, 19 in rack mountable, Wall mountable, Cut-in at 2.0 psi, Cut-out at 5.0 psi, with discrete and summary alarms, 115/230 Vac, 50/60 Hz

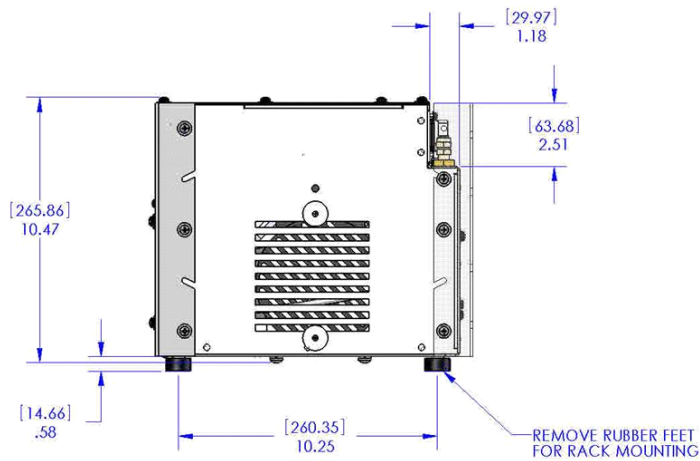
## Outline Drawing-Front



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December 7, 2016

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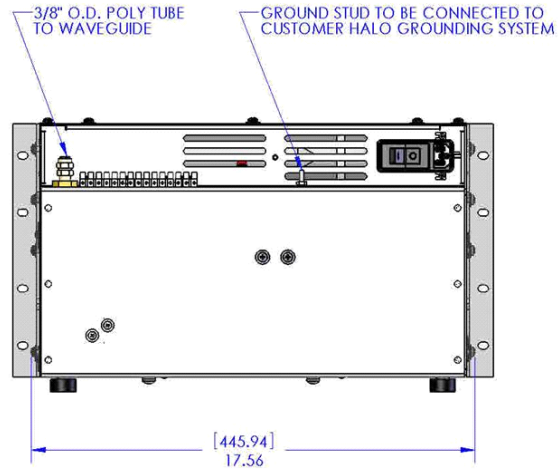
## Outline Drawing-Side



**MT500B SIDE VIEW**

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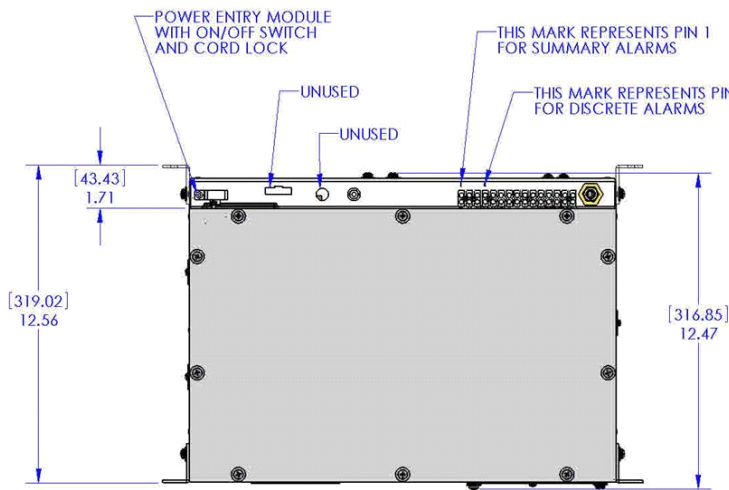
## Outline Drawing-Back



**MT500B BACK VIEW**

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Outline Drawing-Top



MT500B TOP VIEW

Alarm

Alarm Type	Discrete
Excess-Run Alarm	10 minutes, factory set
High-Humidity Alarm	7.5% RH, factory set
Low-Pressure Alarm	68 mbar   7 kPa   1 psig
Power-Fail Alarm	Loss of input power

Dimensions

Net Weight	16.0 kg   35.4 lb
Product Depth	320.0 mm   12.6 in
Product Height	264.1 mm   10.4 in
Product Width	431.8 mm   17.0 in
Gross Weight, Packed	17.7 kg   39.1 lb
Product Depth, Packed	533.4 mm   21.0 in
Product Height, Packed	355.6 mm   14.0 in
Product Width, Packed	457.2 mm   18.0 in

Electrical Specifications

Power Cord	USA power cord
Voltage	24 Vdc ±10% inverter
Alarm Contact Rating	Form C dry contacts, 2 amps at 30 Vdc
Operating Temperature	-10 °C to +50 °C (+14 °F to +122 °F)
Power Consumption, average	250.0 W
Power Phase	Single

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Suggested Circuit Breaker Size 20 A

Circuit Breaker Requirement Electrical connections require separate circuits for dehydrator installation

## General Specifications

Dehydrator Type	Automatic Membrane
Voltage Type	dc
Volume Capacity, minimum	283.2 L   10.0 ft <sup>3</sup>
Volume Capacity, maximum	3398.0 L   120.0 ft <sup>3</sup>
Brand	DryLine®
Cut In/Out Pressure Type	Factory set
Cut In Pressure	13.8 kPa   2.0 psig
Cut Out Pressure	34.5 kPa   5.0 psig
Dew Point	Better than -45 °C (-50 °F) at 95% RH at +40 °C (+104 °F)
Flow Rate, nominal	14.20 SLPM   0.50 SCFM
Includes	3/8 in polyethylene tubing   90° elbow fitting   Male connector fitting   Needle valve   Power cord   Power cord connector lock   PTFE tape   Screws
Mount Type	Floor   Rack   Shelf   Wall
Port Count	1
Port Type	3/8 in PE tube
Rack Type	EIA 19 in
Rack Units	6