

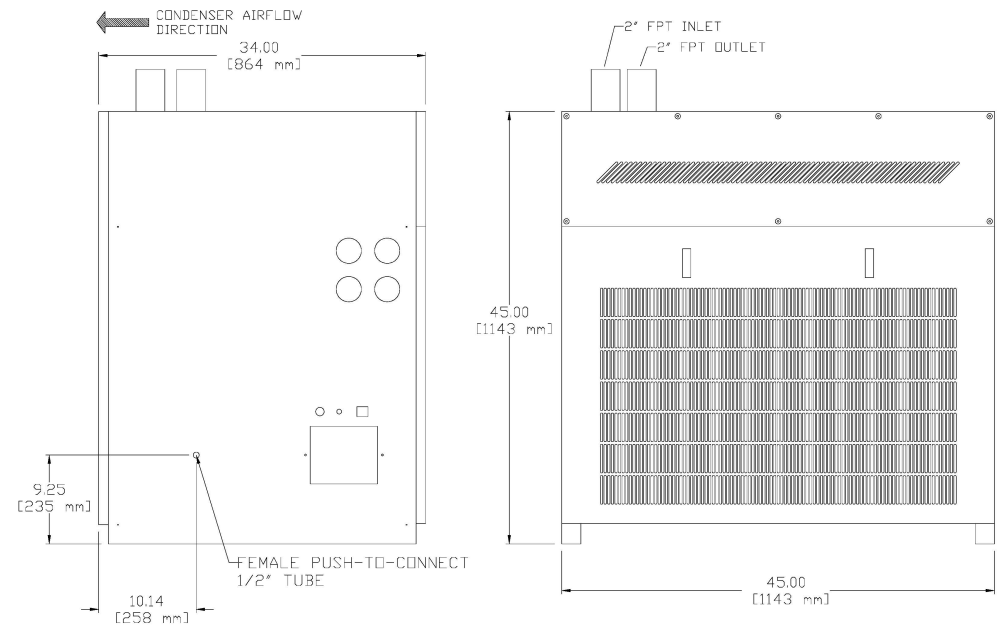
## REFRIGERATED NON-CYCLING

# COMPRESSED AIR DRYERS

## VF SERIES

### **MODEL VF-500** **500 SCFM REFRIGERATED NON-CYCLING AIR DRYER**

Aircel's VF line of refrigerated dryers are focused on reliable, constant dewpoint performance in all flow conditions. With its excellent heat transfer coefficients and low pressure drop, these dryers will outperform the competition in protecting your compressed air system, machinery and tools; and will improve your manufacturing processes.



MODEL VF-500 DIMENSIONS

### STANDARD FEATURES

- ◇ Patented High Efficiency four Stage Aluminum Block Heat Exchanger
- ◇ Integrated Regenerating Heat Exchanger Prevents "Sweating" of Pipes
- ◇ Moisture Separator Integrated into Heat Exchanger
- ◇ Hot Gas Bypass Valve for Low-Load Condition
- ◇ Heavy Duty Industrial Powder Coated Steel Cabinet with Access Panel
- ◇ Refrigerant Suction and Discharge Gauges
- ◇ Air Inlet Temperature and Pressure Gauges
- ◇ Environmentally Friendly R-134a Refrigerant
- ◇ Refrigerant Liquid Line Filter
- ◇ Automatic Adjustable Timer Drains (2)

### AVAILABLE OPTIONS

- ◇ Water Cooled Condenser
- ◇ Corrosive Environment Protection
- ◇ Zero-Loss Condensate Drain
- ◇ Elevated NEMA Ratings Through NEMA 7 Class I, Division I
- ◇ Pre-Sized Filter Package
- ◇ Dryer Bypass System
- ◇ Additional Gauges: Outlet Air Temperature and Pressure
- ◇ Stainless Steel Piping
- ◇ Alternate Voltages

Contact an Aircel representative for assistance with custom requirements.

### MECHANICAL SPECS

|  |                   |
|--|-------------------|
| Flow Capacity, 38°F Dewpoint                             | 500 SCFM          |
| Inlet Air Pressure, Design / Max                         | 100 / 175 PSIG    |
| Inlet Air Temperature, Design / Max <sup>1</sup>         | 100 / 140 °F      |
| Ambient Air Temperature, Design / Max / Min <sup>1</sup> | 100 / 120 / 40 °F |
| Pressure Loss, Design                                    | 3.8 PSI           |
| Condenser Type   | Air Cooled        |
| Cooling Air Flow   | 2170 CFM          |
| Heat Rejection   | 35 kBTU/hr        |
| Air Connections  | 2" FPT            |
| Condensate Connection                                    | 1/4" Tube         |
| Unit Weight  | 550 LBS           |

### ELECTRICAL SPECS

|                  |          |
|------------------|----------|
| Power Connection | 460-3-60 |
| Full Load Power  | 4.06 kW  |
| Rated Load       | 7.4 A    |
| NEMA Rating      | 1        |



AIRCEL LLC  
323 CRISP CIRCLE  
MARYVILLE, TENNESSEE  
37801

PHONE  
(800) 767-4599  
LOCAL: (865) 681-7066  
FAX: (865) 681-7069

SALES INFORMATION  
sales@airceldryers.com  
REQUEST LITERATURE:  
litrequest@airceldryers.com

<sup>1</sup> Unit performance may be reduced at elevated inlet and/or ambient temperatures.