

## Refrigerated Air Dryers 400 to 2000 SCFM

The UA Series Non-Cycling Refrigerated Air Dryers are designed to meet the demand of your compressed air system with quality components that are built to last.

- Consistent & Reliable Dry Air - ISO Class 4 - 5
- Compact All-Aluminum Heat Exchanger Modules with Low Pressure Drops
- Programmable Automatic Electronic Drains
- Easy-Access Cabinet Design for Ease of Maintenance & Serviceability
- Suction & Pressure Gauges Provide Simple & Reliable Monitoring of the Dryer's Refrigeration System
- Top Mounted Inlet & Outlet Connections Allow for Easy Installation of Dryer, Filters, & Bypass Valves



### FEATURES

- Available Input Voltages\*
  - 115 VAC, 1 Phase, 60Hz
  - 208-230 VAC, 1 Phase, 60Hz
  - 230 VAC, 3 Phase, 60Hz
  - 460 VAC, 3 Phase, 60Hz
  - 575 VAC, 3 Phase, 60Hz
- Maximum Pressure - 232 PSIG
- Maximum Inlet Temperature - 120°F / 49°C

*\*NOTE: Voltage options are dependent on specific models. See Price List for details.*

### OPTIONS

- Air-Pac Filter Kits
- Bypass Valve
- Ambient Air Filter

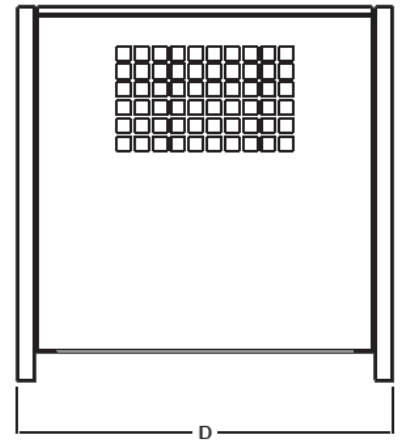
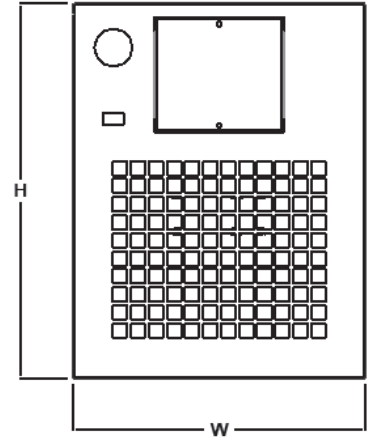
[www.AttecAIR.com](http://www.AttecAIR.com)  
**800.521.5351**

**Attec | AIR**  
UA SERIES  
REFRIGERATED AIR DRYERS

# UA Series

SPECIFICATIONS & DIMENSIONS

	INLET Flow (SCFM @ 100 PSIG)	Inlet / Outlet Ports (NPT)	Drain Port (NPT)	Refrigerant Type	Weight (lbs)	Height (in)	Width (in)	Depth (in)
UA400	400	2"	1/4"	R404a	486	48	29	44
UA500	500				526			
UA625	625	2-1/2"	549					
UA800	800	3"	1/2"		855	59	35	52
UA1000	1000				875			
UA1200	1200	4"	1/2"		900	70	40	56
UA1600	1600				1400			
UA2000	2000				1595			



## Sizing Dryers for Variable Conditions

Corrected Inlet Flow Capacity =

$$\text{INLET Flow (above)} \times \frac{\text{Inlet Pressure}}{\text{Correction Factor (A)}} \times \frac{\text{Inlet Temp}}{\text{Correction Factor (B)}} \times \frac{\text{Ambient Temp}}{\text{Correction Factor (C)}}$$

Inlet Pressure (PSIG)	50	80	100	125	150	175	200
Correction Factor (A)	0.85	0.95	1.00	1.07	1.13	1.18	1.20
Inlet Temp (°F)	80	90	100	110	120	140	
Correction Factor (B)	1.50	1.21	1.00	0.72	0.61	0.53	
Ambient Temp (°F)	70	80	90	100	110		
Correction Factor (C)	1.10	1.07	1.05	1.00	0.94		

MULTIPLIER TABLES

ISO 8573-1

Quality Class	1	2	3	4	
Dewpoint	°F	-100°	-40°	-4°	38°
	°C	-73°	-40°	-20°	3°
Remaining Moisture	ppmw	0.12	10	81	610
	mg/m <sup>3</sup>	0.15	12	97	730

### Need A Custom Sized Air Dryer?

Contact Altec AIR for assistance selecting the right dryer for your application. All you need is the required dewpoint, operating pressure, and the required inlet or outlet flow rate.

