

Digital Programmable Air Dryers 75 to 3000 SCFM

The PA Series Digital Programmable Non-Cycling Refrigerated Air Dryer takes the UA Series platform and adds the functionality of programming scheduled ON / OFF operating hours to reduce energy costs.

- Digital Programmable Control Timer (PCT) Reduces Energy Costs
- 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

- Outlet Dewpoint with 100°F / 38°C Saturated Inlet
 - 38°F Pressure Dewpoint (PDP)
- 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

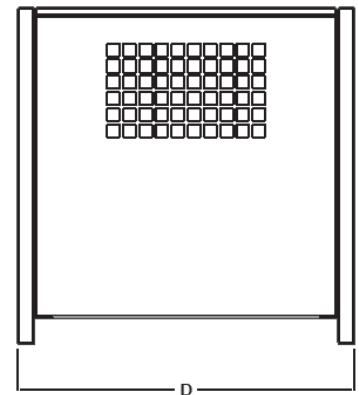
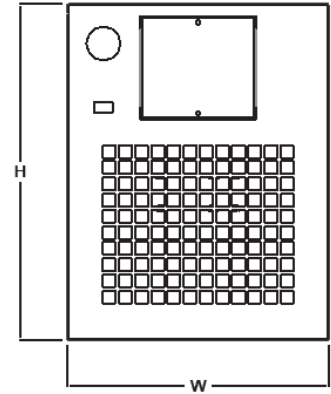
- Air-Pac Filter Kits
- Bypass Valve
- Ambient Air Filter

www.AtecAIR.com
800.521.5351

Atec | AIR
PA SERIES
DIGITAL PROGRAMMABLE AIR DRYERS

SPECIFICATIONS & DIMENSIONS

	INLET Flow (SCFM @ 100 PSIG)	Inlet / Outlet Ports (NPT)	Drain Port (NPT)	Refrigerant Type	Weight (lbs)	Height (in)	Width (in)	Depth (in)
PA75	75	1"	1/4"	R134a	165	26	20	26
PA100	100				169			
PA125	125				205			
PA150	150	1-1/2"		R134a	210	32	25	32
PA200	200				250			
PA250	250	2"		1/2"	R404a	310	48	29
PA300	300		486					
PA400	400		526					
PA500	500	3"	R404a		549	59	35	52
PA625	625				855			
PA800	800	4"	1/2"		R404a	875	70	40
PA1000	1000			900				
PA1200	1200			1400				
PA1600	1600	6" (FLG)		R404a	1595	78	51	69
PA2000	2000				1755			
PA2500	2500				1945			
PA3000	3000							



Sizing Dryers for Variable Conditions

Corrected Inlet Flow Capacity =

$$\text{INLET Flow (above)} \times \text{Correction Factor (A)} \times \text{Correction Factor (B)} \times \text{Correction Factor (C)} \times \text{Correction Factor (D)}$$

MULTIPLIER TABLES

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	
Dewpoint (°F)	38		45		50		
Correction Factor (C)	1.00		1.24		1.29		
Ambient Temp (°F)	70	80	90	100	110		
Correction Factor (D)	1.10	1.07	1.05	1.00	0.94		

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 ³	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.

