



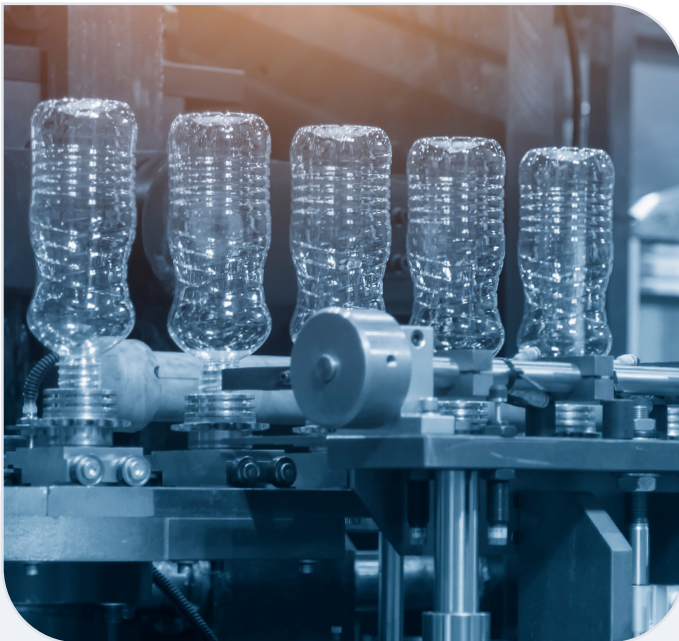
nano R³: Compressed Air Dryers

APET High-Pressure Refrigerated Dryers

Features

- Design pressure of 725 psig
- Features high-pressure 316 stainless steel, brazed plate heat exchangers, and stainless steel air-side components designed specifically for harsh environments.
- Achieves a separation efficiency of over 98% moisture separation by utilizing a double-circuit heat exchanger in combination with a centrifugal separator.
- Low power and energy consumption
- Reliable and constant dew point performance in all flow conditions
- Lightweight and compact
- Environmentally friendly R134a refrigerant
- High-pressure pre and after filtration also available for optimal energy savings
- Options include: water-cooled, NEMA 4, NEMA 4X and condenser cleaner assembly.
- Made in the USA

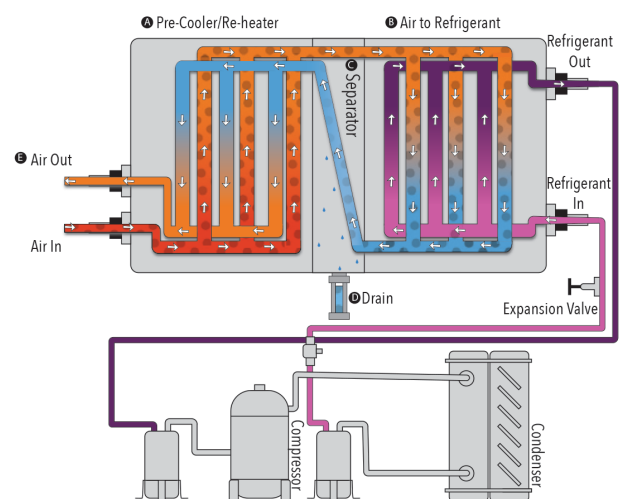
Application Driven



Designed for PET container production, injection molding, component testing and naval and military applications.



How it Works



APET cools compressed air using a refrigerant circuit. The compressed air passes through an air-to-refrigerant heat exchanger, reducing its temperature. As a result, water vapor condenses into liquid, which is the separated and removed, leaving dry air.

nano R³: APET PET High-Pressure Refrigerated Dryers

MODEL	INLET & OUTLET	RATED FLOW (SCFM) ⁽¹⁾		FULL LOAD AMPS	DIMENSIONS (INCHES)			APPROX. WEIGHT	POWER SUPPLY (V/PH/60HZ)		
	NPT	@725 PSIG	@500 PSIG		A	B	C	LBS	115/1	230/1	460/3
APET-45	½"	45	31	4.5	16	16	15	71	•		
APET-65	½"	65	45	5.5	16	16	15	78	•		
APET-80	½"	80	55	8.0	16	16	15	102	•		
APET-125	½"	125	86	8.0	24	18	22	124	•		
APET-200	1"	200	138	14.5	36	25	30	162	•		
APET-260	1"	260	179	13.5	36	25	30	240		•	
APET-415	1"	415	286	8.0	36	25	30	345			•
APET-570	1"	570	393	9.5	34	45	45	567			•
APET-860	1"	860	593	12.5	34	45	45	582			•
APET-1000	1"	1000	690	11.5	38	54	48	790			•

SPECIFICATIONS	STANDARD
Design operating pressure (psig)	200 to 725
Inlet air temperature range (°F)	40 to 120
Ambient temperature range (°F)	40 to 120
Electrical class	NEMA 1
Outlet dew point (°F)	38
Initial ΔP (psid) ⁽³⁾	5

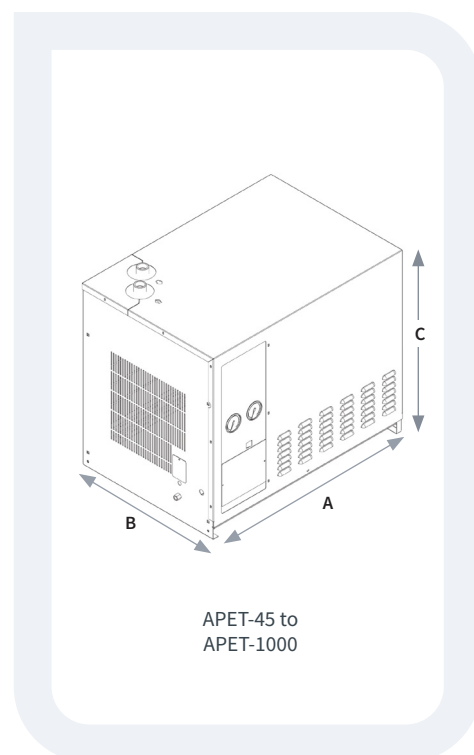
TEMPERATURE CORRECTION FACTORS ^{(2) (3)}								
Ambient air temperature (°F)	70	80	90	100	110	115	120	
Correction factor	1.10	1.07	1.05	1.00	0.94	0.85	0.65	

TEMPERATURE CORRECTION FACTORS ^{(2) (3)}					
Inlet air temperature (°F)	80	90	100	110	120
Correction factor	1.50	1.21	1.00	0.82	0.72

PRESSURE CORRECTION FACTORS ⁽²⁾			
Inlet air pressure (psig)	725	500	225
Correction factor	1.00	0.69	0.31

OUTLET PRESSURE DEW POINT CORRECTION FACTORS ^{(2) (3)}				
Dew point (°F)	38	41	45	50
Correction factor	1.00	1.12	1.17	1.22

- (1) Capacity rated at 725 psig, 100°F inlet, 100°F ambient.
 (2) To be used as rough guide only. All applications should be confirmed by nano.
 Contact canadasupport@airandgassolutions.com.
 (3) If using correction factors >1.00, the unit initial ΔP (psid) value will increase.



Technical specifications subject to change without notice.
 Publication Reference: APET-CA-EN-Version-001
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 Experience. Customer. Service.

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