

High Temperature Direct Expansion Dryers

Features

- Specifically designed oversized refrigeration circuit provides clean, dry compressed air in unique demands of high temperature applications.
- Reduces equipment complexity by managing hot compressed air at the source, improving moisture protection and system efficiency.
- Integrated pre-cooler, the HTR range allows for 50°F outlet dew points even with inlet temperatures as high as 180°F.
- Corrosion resistant powder coated steel panels for harsh environments
- Easy installation and start-up
- Automatic expansion valve ensures stable dew point performance even in changing ambient conditions.
- Energy efficient and extremely reliable zero air loss drain as standard.
- Applications include manufacturing, paint and coatings, machine tools and blasting.



Stainless Steel Heat Exchanger



Patented design, corrosion resistant construction and integrated moisture separator

The Data You Need



Digital display with high/low dew point indicator and service reminder

nano R²: High Temperature Refrigerated Air Dryers

MODEL	INLET & OUTLET	RATED FLOW ⁽¹⁾	ABSORBED POWER ⁽²⁾	REFRIGERANT	DIMENSIONS (INCHES)			APPROX. WEIGHT LBS	POWER SUPPLY (V/PH/60HZ)	PRE FILTER (RECOMMENDED)
	NPT	SCFM	kW		A	B	C		115/1	
HTR 0025	¾" (M)	25	0.47	R513A	13.8	19.1	14.9	57	•	GFN 0050 M1
HTR 0050	½" (F)	50	0.70	R513A	18.1	31	22.6	108	•	GFN 0050 M1
HTR 0075	¾" (F)	75	1.37	R513A	18.1	31	22.6	168	•	GFN 0085 M1
HTR 0100	1" (F)	100	1.33	R513A	18.1	41	22.6	231	•	GFN 0105 M1
HTR 0125	1" (F)	125	1.55	R513A	18.1	41	22.6	236	•	GFN 0175 M1

Specifications

Design operating pressure range (psig) 0 to 232

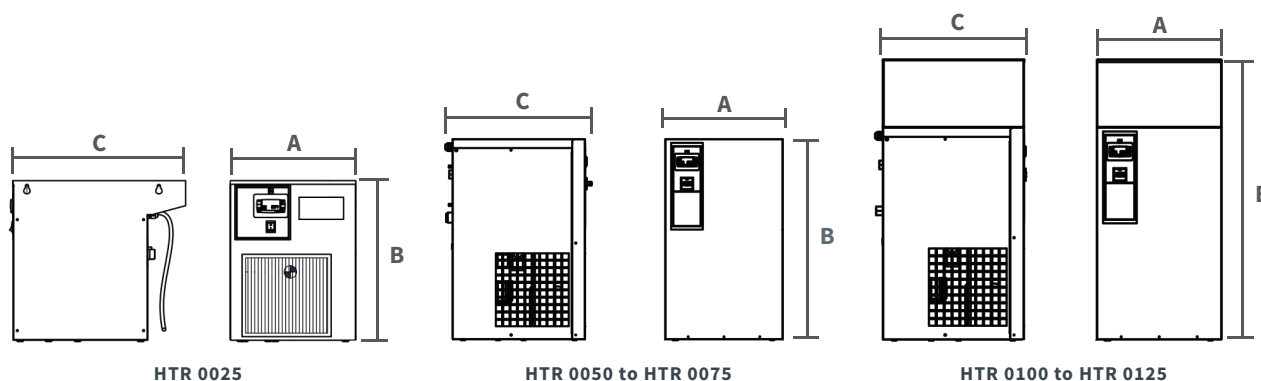
Maximum inlet temperature (°F) 180

Maximum ambient temperature (°F) 120

Inlet filter (Recommended) M1 (1 micron)

Condensate drain (Included) zero air loss

- (1) Rated flow capacity: at 125 psig & 180°F inlet conditions, 95°F ambient and a 50°F outlet pressure dew point. For all other conditions, contact support@airandgassolutions.com.
- (2) Including cooling fan, at max conditions. For absorbed power at other voltages or conditions, contact support@airandgassolutions.com.
- (3) Grade M01 (0.01 micron) after filter sold separately
- (4) HTR 0025 & HTR 0050 models include a 10-foot power cord and plug; HTR 0075 to HTR 0125 models include a 10-foot power cord terminating in leads.
- (5) Technical specifications subject to change without notice. Direct inquiries to support@airandgassolutions.com or contact 704.897.2182.



Technical specifications subject to change without notice.
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