

Compressed Air Dryers

High Temperature Refrigerated Dryer



Dryer, filter, and drain in one compact package

Kaeser's High Temperature Refrigerated Dryers (HTRD) are specifically designed for use with 5 - 30 hp piston compressors, although they will work well with any similar sized compressor producing high discharge temperatures. The HTRD contains an aftercooler, refrigeration unit, filtered separator, and drain to remove moisture and contaminants to a level suitable for most shop tools. This greatly increases tool life, reducing maintenance and

downtime. For paint spraying and other contaminant sensitive applications, we strongly recommend also using a KE coalescing filter downstream.

Easy to install

The HTRD dryer features a compact design that requires little floor space and allows for convenient installation. Widely spaced inlet/outlet connections make piping easy. Simply make pipe connections and connect to the power supply and the unit is ready for operation.

Standard Features:

- Built to handle high inlet temperatures to 180°F
- Stainless steel, plate-type heat exchangers are compact, durable, and efficient
- Integral filter helps remove moisture, hydrocarbons, and solid particles
- User-adjustable timed electric condensate drain
- Automatic refrigeration temperature control system maintains precise chilled air temperature
- Hermetic refrigeration compressor requires no maintenance or adjustments
- Cool air exiting from the evaporator is reheated to save energy and prevent pipe sweating

All dryers are CSA certified, CFC free, and use environmentally friendly R134a or R-407C refrigerant.

Easy to use and maintain

The dryer operates continuously without adjustments. Replacing the filter sleeve is simple and cleaning the refrigeration condenser filter and inlet strainer is easy.

Technical Specifications

Model	Flow Rate* @ 175 psig (scfm)	Flow Rate* @ 150 psig (scfm)	Flow Rate* @ 125 psig (scfm)	Flow Rate* @ 100 psig (scfm)	Power Supply (V / Ph / Hz)	Inlet / Outlet Connection (in.)	Dimensions W x D x H (in.)	Weight (lb.)
HTRD 21	23	22	20	18	115 / 1 / 60**	3/4	14 ¹⁵ / ₁₆ x 18 ¹ / ₈ x 29 ¹⁵ / ₁₆	93
HTRD 26	29	27	25	93				
HTRD 36	41	38	35	32				99
HTRD 51	58	54	50	45		1	18 ¹ / ₁₆ x 18 ⁵ / ₁₆ x 41 ³ / ₄	119
HTRD 76	87	81	75	68				123
HTRD 126	145	135	125	114	230 / 1 / 60	1	18 ¹ / ₁₆ x 18 ⁵ / ₁₆ x 46 ¹ / ₂	146

* **Rated capacity:** Based on compressed air at 180°F and saturated at 160°F, 50°F outlet pressure dew point and operation in a 95°F ambient.

**HTRD 21 - 76 include electrical cord with plug

- Maximum Inlet Temperature: 180°F
- Maximum / minimum ambient air temperature: 110/40°F
- Maximum working pressure: 227 psig

Specifications are subject to change without notice.



Built for a lifetime.



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