KAESER COMPRESSORS®

Built for a lifetime.

Compressed Air Dryers

High Pressure Refrigerated Dryer

KAESER's HT Series refrigerated dryers are specifically designed for high pressure applications, such as leak testing and PET bottling.

Accurate Temperature Control

An automatic, self-regulating hot gas by-pass valve maintains evaporator temperature and consistent dew point without freeze-up. Adjustments for load and ambient temperature changes are not necessary.

Built-in Features

Smooth surface, stainless steel plate type heat exchangers resist fouling and maintain high heat transfer and low pressure drop for the life of the unit. Plus, they are fully insulated to preserve cooling effects.

HT Series dryers feature integrated moisture separators to effectively remove large moisture loads. Built-in automatic drains include an accurate and adjustable solid state timer, and a rugged solenoid valve that resists clogging and leaking.

Maximum Working Pressure

- 115 - 200 models: Maximum pressure is 725 psig
- 350 - 2400 models: Maximum pressure is 680 psig

Instrumentation and Features

- Stainless steel heat exchangers
- Refrigerant Suction, Air inlet and outlet pressure gauges
- Moisture separator with Automatic Drain
- Automatic Hot Gas Bypass Valve operation
- Sensors and switches for temperatures (PDP) and refrigerant pressure
- Digital controller with operational values; Alarms, warnings, service notifications; drain control; Auto restart and remote mode

Options

- High drain level alarm
- Other voltages (575V, 230V)
- 50 Hz available on all models

All dryers are UL recognized and use only environmentally friendly R407C or R404A refrigerant

Installation

HT's are delivered ready for installation; simply connect the piping and electric service. Compact cabinet design and bottom clearance allow easy placement by forklift or pallet jack.

Selecting the Proper Dryer

To correct Rated Capacity for actual operating conditions, refer to "Capacity Correction Factors and find the capacity correction factors corresponding to the inlet and ambient conditions. Multiply these factors to find the "overall" capacity correction factor, then multiply any dryer's rated capacity by the overall correction factor to determine its capacity at your operating conditions. Capacity correction factors for conditions not shown may be interpolated.

Correction Factors:

Inlet Pressure (psig)	300	400	500	600	680	725
Factor	0.66	0.79	0.88	0.95	1.00	1.03

Inlet Temp.	Factor
90°F	1.16
100°F	1.00
110°F	0.82
120°F	0.68
130°F	0.61
150°F	0.45

Ambient Temp.	Factor
80°F	1.11
90°F	1.09
100°F	1.00
110°F	0.87
122°F	0.69

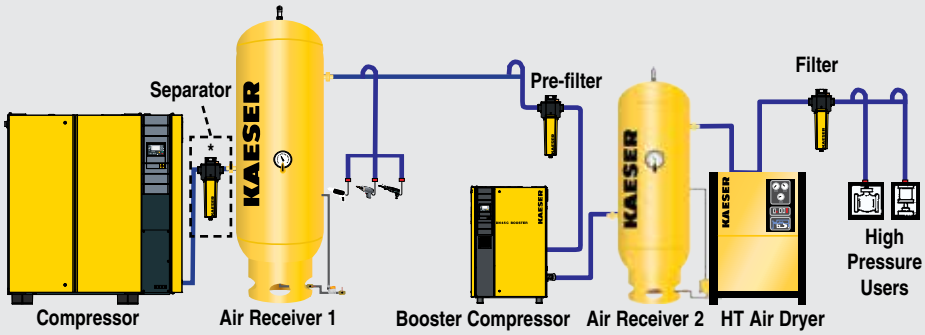
Technical Specifications

Model	Rated Capacity (scfm)	Power Supply (V / Ph / Hz)	Inlet/Outlet Connections (in.)	Dimensions W x D x H (in.)	Weight (lbs.)
HT-115	115	115 / 1 / 60	3/4" NPT-F	19.9 x 17.9 x 32.5	110
HT-150	150				117
HT-200	200		1" NPT-F	22.8 x 22.8 x 34.8	196
HT-350	350	460 / 3 / 60	1-1/2" NPT-M	28.2 x 32.6 x 43	200
HT-600	600		2" NPT-M		390
HT-750	750		3" 300# FLG	44 x 40 x 62	730
HT-1000	1000				830
HT-1200	1200				870
HT-1600	1600		4" 300# FLG	32x 77 x 69	1570
HT-2000	2000				
HT-2400	2400				1795

- Maximum/minimum Inlet temperature: 40°F - 150°F
- Maximum/minimum ambient air temperature: 34°F - 122°F
- All units are air-cooled

Specifications are subject to change without notice.

Typical High Pressure Air System



Note: *All components must be properly pressure rated. Schematic does not show recommended accessories such as sequencers, drains, flow controller, or condensate management system.*

** For compressors without an integrated moisture separator.*

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