



HIGH INLET TEMPERATURE REFRIGERATED AIR DRYERS

# RHT Series



# High Inlet Temperature Refrigerated Compressed Air Dryers



## Space-Saving Design for Use with Reciprocating Compressors up to 25 HP

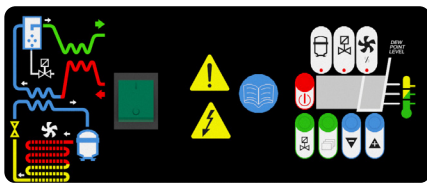
Gardner Denver specializes in delivering the best air quality for all working environments. Designed to work with reciprocating compressors, the RHT Series is ideally suited for auto body shops, auto service centers, and light industrial facilities with 5 to 25 horsepower compressors. A unique heat exchanger allows the dryer to accept high inlet temperatures, up to 200°F (93°C). This allows compressed air users to send high temperature air straight from their compressor directly to the RHT Series refrigerated dryer. Separate aftercooler and separator installations are no longer necessary. This provides important savings in installation space and installation time. The models match to most reciprocating compressor sizes and can also be easily sized if the compressor already has a tank-mounted air-cooled aftercooler.

## RHT Series Features

- Warm, moist compressed air enters the main pre-cooler / re-heat section where most of the bulk moisture is removed from the airstream. The cooled air then enters the dual heat exchanger assembly where the air is dried down to an average 50°F pressure dewpoint
- Adjustable timed electric drain—valve open and closed time—reliably discharges condensate from the dryer
- Widely spaced Inlet/Outlet connections, flow direction stamped into cabinet, for ease of installation and filter mount
- 15-35 SCFM Controls: Instrumentation with lighted compressor On/Off switch, dew point temperature indicator and fault light
- 60-100 SCFM Controls: Advanced microprocessor controller that lets you easily maintain and manage operation
- Top mount fan, upward condenser air flow allows installation in tight spaces
- Quick release front panel for ease of access to dryer internals for routine maintenance



15-35 SCFM



60-100 SCFM

## Reduce Overhead Costs

Removing water, solid particulates and oil from your compressed air system has many benefits which all lead to increased productivity and reduced overhead costs. One typical use for compressed air is for painting. Modern refinish materials and spray guns deliver superior paint finishes. Moisture and oil in the compressed air will result in paint rejects and lead to unnecessary purchases of extra unthinned color-coat paints, thinners and hardeners.

### CALCULATE THE COST OF PAINT REJECTS

COST OF LABOR, MATERIALS & THROUGH-PUT DELAYS	PAINT REJECTS PER WEEK × NUMBER OF WEEKS	COST OF PAINT REJECTS
\$150 ×	1 × 52	= \$7,800
\$150 ×	2 × 52	= \$15,600
\$200 ×	1 × 52	= \$10,400
\$200 ×	2 × 52	= \$20,800

## SPECIFICATIONS

MODEL	FLOW CAPACITY SCFM*	POWER REQUIREMENTS		IN/OUT CONNECTIONS NPT	REFRIGERANT TYPE**
		V/PH/HZ	KW		
RHTA15A1	15	115/1/60	0.48	3/4" MNPT	R513A
RHTA25A1	25	115/1/60	0.51	3/4" MNPT	R513A
RHTA35A1	35	115/1/60	0.64	3/4" MNPT	R513A
RHTA60A1	60	115/1/60	0.61	3/4" FNPT	R513A
RHTA80A1	80	115/1/60	0.77	3/4" FNPT	R513A
RHTA100A1	100	115/1/60	1.16	1" FNPT	R513A

\*Rating conditions are 180°F inlet temperature, 125 psig inlet pressure, 100% inlet relative humidity, 100°F ambient temperature.

\*\*Refer to dryer data plate for refrigerant charge.

\*\*\*To ensure optimal performance, do not operate continuously in conditions below or above max/min specifications.

## DIMENSIONS

MODEL	H		W		D		WEIGHT	
	IN	MM	IN	MM	IN	MM	LBS	KG
RHTA15A1	35.6	904.2	14.4	365.8	24.0	609.6	103	46.7
RHTA25A1	35.6	904.2	14.4	365.8	24.0	609.6	103	46.7
RHTA35A1	35.6	904.2	14.4	365.8	24.0	609.6	110	49.9
RHTA60A1	36.6	929.6	17.9	454.7	26.7	678.2	139	63.1
RHTA80A1	36.6	929.6	17.9	454.7	26.7	678.2	141	64.0
RHTA100A1	36.6	929.6	17.9	454.7	26.7	678.2	150	68.0

The leader in every market we serve  
by continuously improving all business processes  
with a focus on innovation and velocity

**Gardner  
Denver®**

1800 Gardner Expressway  
Quincy, IL 62305  
[www.gardnerdenver.com](http://www.gardnerdenver.com)



©2025 Industrial Technologies and Services, LLC  
Printed in U.S.A.  
GA-RHT 3rd Ed. 10/25

