



CompAir

CTS Series

Single Tower Desiccant Dryer



CompAir specializes in delivering the best compressed air quality to your working environment. Removing water, solid particulates and oil from compressed air has many benefits which all lead to increased productivity and reduced overhead costs. The CTS Series single tower desiccant air dryer provides quality air to your application with minimal investment. The compact, in-line design is ideally suited for point of use applications, such as paint spraying operations or pneumatic tools, which require clean, dry compressed air. The modular housings, with optional oil removal pre-filter provides ease of installation to any system. Drying compressed air was never easier.

⇒ Features

- Stand alone tower that delivers -40°F dew point for dry air
- Flows of 5–30 scfm ideal for point of use applications
- ¼" and ½" connections make installation easy
- Rugged, powder coated corrosion resistant aluminum bowl that with-stands tough environments
- Integrated 15 micron dust filter provides added protection
- Recommended, but optional CAF Grade E filter removes solids to 0.01 micron and oil down to 0.008 ppm
- Desiccant change-out indicator monitors desiccant condition

⇒ How it works

Contaminated compressed air enters the single tower desiccant dryer and flows downward through a bed of silica gel desiccant. As the desiccant removes the water and becomes saturated, the color of the desiccant change-out indicator turns from blue to white. Next the air flows through an integrated dust filter upwards to the outlet port of the dryer. The air is dried to a -40°F dew point and is ready for use.

⇒ Optional Oil Pre-filtration Package

In many instances where there is a steady compressed air demand, oil prefiltration is highly recommended to increase the life of the dryer's desiccant bed. A CTSF option is available with all of the following pre-assembled features:

- CTS Series desiccant compressed air dryer
- CAF Series Grade E oil filter to 0.01 ppm (0.01 mg/m³) remaining oil content
- Filter element change-out slide indicator
- Modular connection kit provides space saving connection between the prefilter and the dryer
- Reliable internal automatic drain discharges liquid
- Liquid level indicator on filter
- Wall-mounting bracket pre-assembled to the dryer

Engineered to Save

Table 1 - Specifications

Model	Flow Capacity scfm (mw ³ /hr) @ pressure shown			Inlet/Outlet Connections	Housing Dimensions in (mm)			Weight lb (kg)	Optional Oil Prefiltration Package
	80 psig (6 bar)	100 psig (7 bar)	150 psig (10 bar)		A	B	C*		
CTS05	4.1 (7.0)	5.0 (8.5)	7.2 (12.2)	¼" NPT	4.12 (105)	12.62 (321)	3.0 (76)	13.0 (5.9)	CTS05F
CTS10	8.3 (14.0)	10.0 (17.0)	14.4 (24.4)	¼" NPT	4.12 (105)	12.03 (305)	3.0 (76)	15.0 (6.8)	CTS10F
CTS20	16.5 (28.1)	20.0 (34.0)	28.7 (48.8)	½" NPT	4.12 (105)	20.25 (514)	3.0 (76)	19.5 (8.9)	CTS20F
CTS30	24.8 (42.1)	30.0 (51.0)	43.1 (73.2)	½" NPT	4.12 (105)	28.08 (711)	3.0 (76)	22.5 (10.2)	CTS30F

* Minimum bowl removal clearance
 - Maximum Operating Pressure: 200 psig (14 bar)
 - Maximum Operating Temperature: 125°F (52° C)

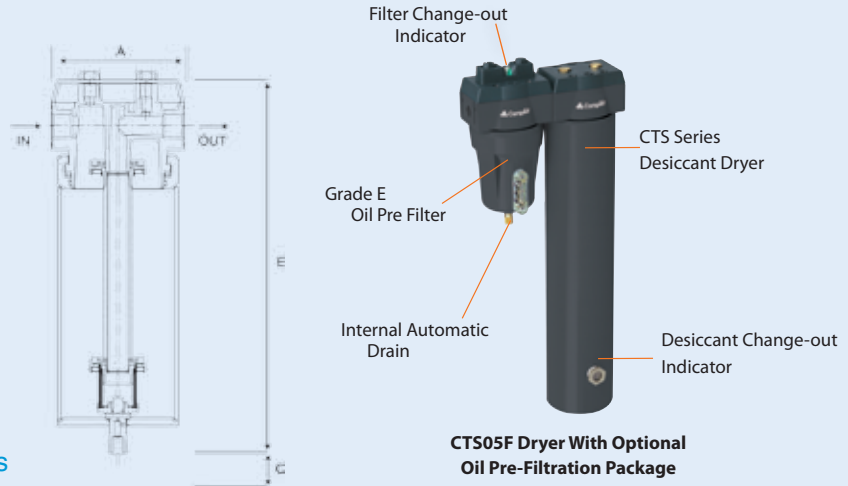


Table 2 - Silica Gel Desiccant Charges

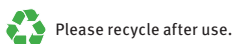
Dryer Model	Silica Gel lbs (kg)	Kit Model*	Replacement Silica Gel Kit
CTS05 & CTS05F	1 (0.45)	CTS05D	Two x 1 lb (0.45 kg) bags
CTS10 & CTS10F	2 (0.9)	CTS10D	Two x 2 lb (0.9 kg) bags
CTS20 & CTS20F	4 (1.8)	CTS20D	Four x 2 lb (0.9 kg) bags
CTS30 & CTS30F	6 (2.7)	CTS30D	Six x 2 lb (0.9 kg) bags

Each Silica Gel kit is made for two complete recharges of desiccant



www.CompAir.com sales@CompAir.com

CompAir USA 1301 North Euclid Avenue Princeton, IL 61356 United States of America Tel (866) 994-8807 Fax (800) 443-7790	CompAir Canada 871 Cranberry Court Oakville, Ontario L6L 6J7 Canada Tel (905) 847-0688 Fax (905) 847-8124
--	--



©2011 Gardner Denver, Inc. Printed in U.S.A.
 CU-AT-CTS 1st Ed. 2/11

Member

