



TYPE CR7000T and CR10000T

Description

Desiccant dehumidifiers in the CR-TE/TG range consists of four models, designed for room air dehumidification. The chosen proportion between rotor dimension, air capacity and connected load, results in dehumidifiers with very high energy efficiency. This design has considerable advantages, particularly at low temperature and low %RH.

Features

- Cabinet manufactured in aluzink
- High capacity, kg/h, at normal temperature and %RH
- Economic operation, in particular at low temperatures and low %RH
- Filter cassettes can be replaced without removal of connected ducting
- Pressure available for external dry air and regeneration air ducts
- Built-in fans for reduced sound level
- Complete dehumidifier, ready for connection to ductwork and power supply at site
- Stepless control of electric heater (controller / SSR relays)
- High performance desiccant rotor of silica gel, washable
- Separate process- and regeneration air flow, 2 fans, efficient gaskets
- Easy access for internal maintenance and service

Applications

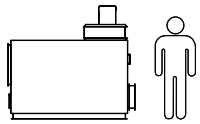
This range of dehumidifiers has a variety of applications, among others:

- Dry air storage in general: Humidity control in unheated storage buildings
- Internal corrosion protection of machinery parts, bridges, etc. with dry air
- Cold stores and freezers: Reduction of ice on evaporators, at doors, on ceilings and on goods
- Protection of electronics and electrical installations
- Production and storage rooms with low %RH in the pharmaceutical and the food industries
- Water works (including open top filters)
- Ice rinks

The company policy of making quality products has resulted in dehumidifiers characterized by high reliability, low maintenance costs, maintainability and high capacity. Furthermore, these adsorption dehumidifiers are characterized by high capacity at low temperatures and additional room heating is normally not necessary.

Controls

All Cotes humidity controls, DR10, DA20, DH24, DCC, can be used for the CR dehumidifiers. The choice depends on the degree of accuracy needed and external user information.



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CR10000T

It's in the air ...

... quality does indeed
make a difference!



- References*
- Dry air storage
 - Ice rinks
 - Dairies
 - Cargo on ships
 - Power stations
 - Corrosion protection

Technical data

Regeneration:

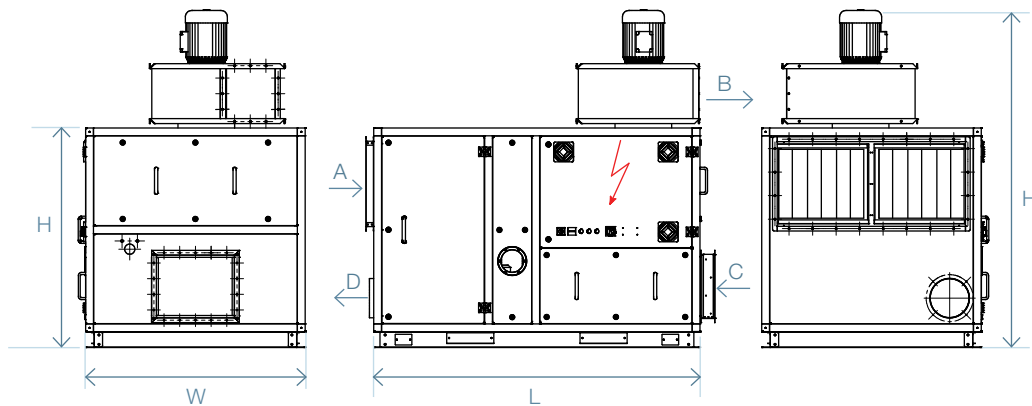
Model CR7000TE, CR10000TE – with electricity
CR7000TG, CR10000TG – with gas

*) A = for the electric regenerated models (-TE).

Type	Dry air nominal m ³ /h	Reg. air Nominal m ³ /h	Voltage/ Phases	Connected load kW	Reg. air Heater kW	External Fuses*) A	External pressure Process air Pa	External pressure Reg. air Pa	Capacity at 20°C, 60 %RH Kg/h
CR7000T	7000	1300	400/3Ph+PE	48,6	42	80	900	500	32
CR10000T	10000	1900	400/3Ph+PE	71,6	63	125	700	200	46,8

Dimensions & weight

Type	L mm	W mm	H mm	H1 mm	Process air inlet A mm	Dry air outlet B mm	Reg. air inlet C mm	Reg. air outlet D mm	Weight kg
CR7000T	2080	1400	1400	2075	510 x 1200	224 x 316	400 x 500	Ø250	800
CR10000T	2080	1400	1400	2150	510 x 1200	319 x 316	400 x 500	Ø250	850



- A: Process air inlet
- B: Dry air outlet
- C: Reg. air inlet
- D: Reg. air outlet

Distributor