

TYPE CR100 - CR1200

Description

Desiccant dehumidifiers in the CR range, with air flows from 100 to 1200 m³/h, consists of 9 models, all designed for general purposes, e.g. room air dehumidification and process drying.

Features

- Cabinet manufactured in stainless steel
- High capacity at normal temperatures and %RH
- Particularly good capacity at lower temperatures and low %RH
- Deep drying at nominal or reduced air flow
- Pressure available for external dry air and reg.air ducts
- Complete dehumidifiers, ready for connection to ductwork and power supply on site
- Stepless control of the electric heater on the bigger models (controller / SSR relays)
- High performance desiccant rotor of silica gel, washable
- Separated process- and regeneration air flow, 2 fans, efficient gaskets
- Easy access for internal cleaning and for service

Applications

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

- Dry air storage in general: Humidity control in unheated storerooms/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
- Process and production rooms with low %RH in the pharmaceutical and food industries.
- Water work buildings (including open top filters)

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 HBC 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.



MBT Challenger



Gentofte Curlinghal



De Forenede Dampvaskerier A/S

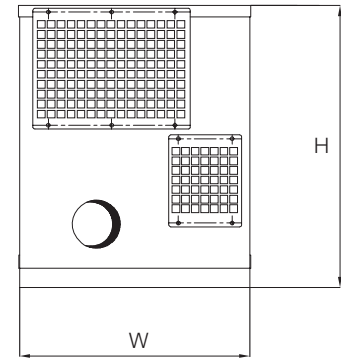
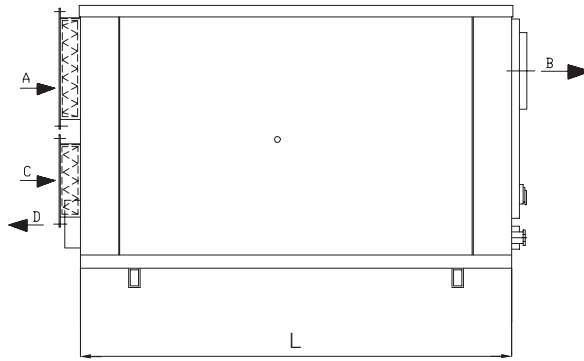
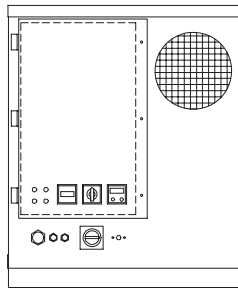


Pharmaceutical industry



Lupo bridge, Shanghai

Dimensions & weight



A: Process air inlet

B: Dry air outlet

C: Reg. air inlet

D: Reg. air outlet

CR600 - CR1200 design

Type	L, mm	W, mm	H, mm	Dry air B, mm	Reg. air C, mm	Weight, Kg
CR100	370	280	520	100	80	19
CR150	615	440	405	100	125	29
CR200	615	440	405	100	125	29
CR300	880	440	443	125	125	45
CR450	1000	600	950	160	160	90
CR600	1125	600	735	200	160	110
CR750	1125	600	735	200	160	110
CR900	1225	600	735	200	160	130
CR1200	1350	800	850	200	250	205

Technical data

Type	Dry air nominal m³/h	Reg. air nominal m³/h	Voltage / Phases	Connected load kW	External fuses A	External pressure, dry air. Pa	Capacity at 20°C, 60%RF kg/h
CR100	100	40	230 / 1N+PE	1,0	10	140	0,6
CR150	150	55	230 / 1N+PE	1,6	10	190	0,9
CR200	200	70	230 / 1N+PE	2,0	10	180	1,2
CR300	300	95	400 / 3N+PE	3,3	10	220	2,0
CR450	450	150	400 / 3N+PE	4,9	10	250	3,0
CR600	600	170	400 / 3N+PE	5,9	10 (13)	300	4,0
CR750	750	200	400 / 3N+PE	7,2	16	290	5,0
CR900	900	230	400 / 3N+PE	9,4	16	250	6,0
CR1200	1200	350	400 / 3PH+PE	12,8	20	600	8,0

All data are valid for nominal air flows.

Deeper drying can be achieved with reduced process air flow.

Higher capacity, kg/h, can be achieved by increased process air flow.



Manufacturer

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Dehumidifiers & controls

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