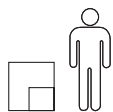




CR150-200

CR300

CR600-1200



TYPE  
CR100  
- CR1200

**It's in the air ...**

**... quality does indeed  
make a difference!**



- References*
- Power stations
  - Dry air storage
  - Dry air production room
  - Water works
  - Corrosion protection
  - Process air drying

## TYPE CR100 - CR1200

### Description

Desiccant dehumidifiers in the CR range, with air flows from 100 to 1200 m<sup>3</sup>/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 un-heated 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 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.

## Technical data

All data are valid for nominal air flows.

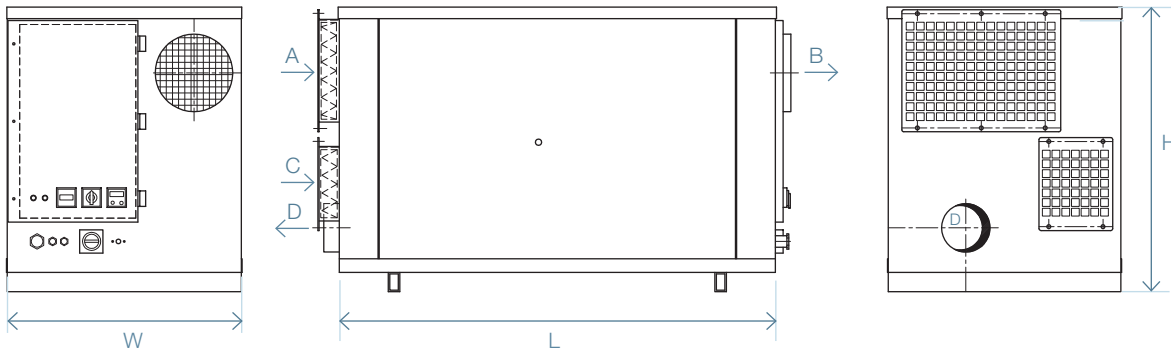
Deeper drying can be achieved with reduced process air flow.

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

Type	Dry air nominal m <sup>3</sup> /h	Reg. air Nominal m <sup>3</sup> /h	Voltage/ Phases	Connected load kW	Reg. air Heater kW	External Fuses A	Ext. pressure Process air Pa	Ext. pressure Reg. air Pa	Capacity at 20°C, 60 %RH Kg/h
CR100	100	38	230/1N+PE	1,1	0,96	10	150	140	0,6
CR150	150	55	230/1N+PE	1,7	1,5	10	190	190	0,95
CR200	200	70	230/1N+PE	2,0	1,8	10	180	180	1,1
CR300	300	95	400/3Ph+PE	3,3	3,0	10	220	100	2,0
CR450	450	170	400/3Ph+PE	5,2	4,5	10	400	350	3,2
CR600	600	170	400/3Ph+PE	6,1	5,6	10 (13)	300	300	4,0
CR750	750	205	400/3Ph+PE	7,3	6,6	16	350	290	4,5
CR900	900	240	400/3Ph+PE	8,6	7,8	16	250	250	5,6
CR1200	1200	350	400/3Ph+PE	13,7	11,1	20	700	250	7,7

## Dimensions & weight

Type	L mm	W mm	H mm	Process air inlet A mm	Dry air outlet B mm	Reg. air inlet C mm	Reg. air outlet D mm	Weight kg
CR100	370	280	520	Ø100	Ø100	140 x 160	Ø80	21
CR150	615	440	420	167 x 175	Ø100	Ø125	Ø80	38
CR200	615	440	420	167 x 175	Ø100	Ø125	Ø80	38
CR300	880	440	460	167 x 175	Ø125	Ø125	Ø80	60
CR450	903	581	592	263 x 409	Ø160	Ø160	Ø125	95
CR600	1125	600	735	254 x 384	Ø200	Ø160	Ø125	130
CR750	1125	600	735	254 x 384	Ø200	Ø160	Ø125	130
CR900	1125	600	735	254 x 384	Ø200	Ø160	Ø125	150
CR1200	1350	750	860	295 x 566	Ø200	Ø200	Ø160	240



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

Distributor