

TYPE  
CRP2000  
- CRP30000

It's in the air ...

... quality does indeed  
make a difference!



*References*

- Food and Candy industry
- Off shore installations
- Pharmaceutical industry
- Process air drying
- Spray drying process
- Dehumidification systems

TYPE CRP2000 - CRP30000

**Description**

The CRP desiccant dehumidifier range is designed for process air drying, i.e. process plants demanding a steady low dew point in the dry air as well as reliable and smooth operation without breakdown.

To be able to meet these standards, components of particularly high quality are used in the CRP dehumidifiers, which make this range our flagship.

**Features**

- Cabinet manufactured in stainless steel
- Deep drying at nominal process air flow
- Optimizing of data for the specific process
- External pressure for process air flow adapted to the existing installation
- Cabinet with insulated inlet plenum for process air
- Pocket filters for process air inlet are standard
- Stepless temperature control ensures constant reg. air temperature
- Stepless capacity control by DCC and adjustment of electrical components (accessories)
- High performance desiccant rotor of silica gel, alternatively molsiev or LiCl
- Efficient rotor gaskets with long durability
- Service doors in front of all internal components
- Operation and service only from one side of the cabinet
- Regeneration by electricity, steam or gas

**Applications**

The dehumidifier is used alone or as part of a bigger air treatment system to ensure a constant low dew point in the dry air. Processes using fresh air often need a deeper drying than the dehumidifier can accomplish by itself. In such cases, the dehumidifier is combined with a pre-cooler and a post-cooler, either separate AHU modules or delivered as a complete unit. This way, both humidity- and temperature control are obtained.

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 CRP dehumidifiers. The choice depends on the degree of accuracy needed and external user information.

Together with the DCC control, the dehumidifier can be delivered with stepless capacity control preparing the dehumidifier for control signal 0-10V or 4-20 mA (accessories).

## Technical data

Bigger types: Can be delivered.

External pressure for dry air 300-1500 Pa, adjustment to existing installation.

Fan and motor size (dim. of dry air outlet) might have to be modified.

External pressure for reg.air, in general 300 Pa.

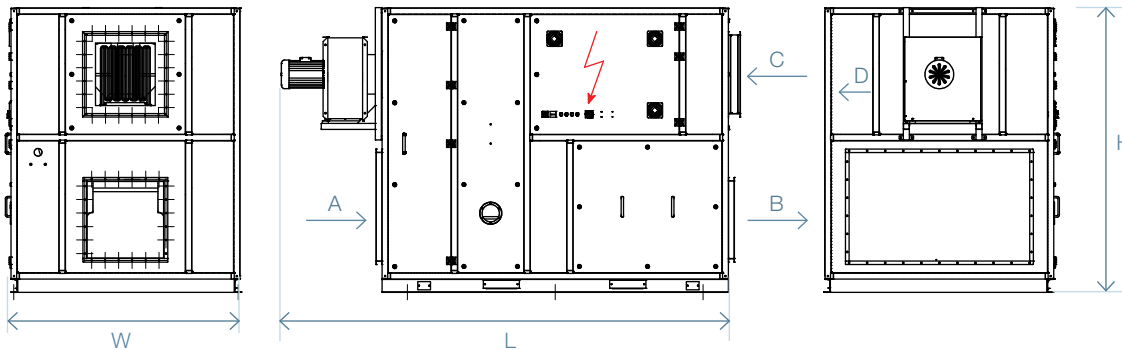
**Regeneration:** Model CRP-E with electricity, CRP-D with steam, CRP-G with gas. Subject to modification.

\*) A = for electric regenerated models.

Type	Dry air nominal m³/h	Reg. air Nominal m³/h	Voltage/ Phases	Connected load kW	Reg. air Heater kW	External Fuses*) A	Capacity at 20°C, 60 %RH Kg/h
CRP2000	2000	720	400/3Ph+PE	24,6	22	50	14,6
CRP2500	2500	850	400/3Ph+PE	28,6	26	50	17,1
CRP4000	4000	1400	400/3Ph+PE	49,1	45	80	28,8
CRP6000	6000	1900	400/3Ph+PE	64,0	59	100	40,3
CRP8000	8000	2600	400/3Ph+PE	91,7	84	160	54,7
CRP12000	12000	4000	400/3Ph+PE	149,0	135	250	92,2
CRP18000	18000	5700	400/3Ph+PE	199,0	180	315	127,5
CRP25000	25000	8000	400/3Ph+PE	279,0	255	200+250	181,5
CRP30000	30000	9800	400/3Ph+PE	348,0	315	250+315	220,0

## 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
CRP2000	2748	1000	1560	400 x 600	286 x 286	300 x 300	146 x 183	580
CRP2500	2748	1000	1560	400 x 600	286 x 286	300 x 300	146 x 183	580
CRP4000	2802	1200	1560	400 x 800	358 x 358	400 x 500	176 x 224	760
CRP6000	3003	1400	1760	500 x 1000	450 x 450	497 x 497	176 x 224	900
CRP8000	3124	1600	1960	700 x 1200	504 x 504	600 x 600	176 x 252	1200
CRP12000	3324	1600	1960	700 x 1200	504 x 504	600 x 600	200 x 284	1450
CRP18000	3800	1900	2360	901 x 1500	644 x 644	650 x 650	223 x 284	1960
CRP25000	4202	2100	2723	900 x 1500	712 x 712	800 x 800	453 x 453	2500
CRP30000	4750	2500	2950	1100 x 2100	802 x 802	900 x 900	507 x 507	3000



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

Distributor