

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 HBC 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).



MBT Challenger



Gentofte Curlinghal



De Foreneede Dampvaskerier A/S

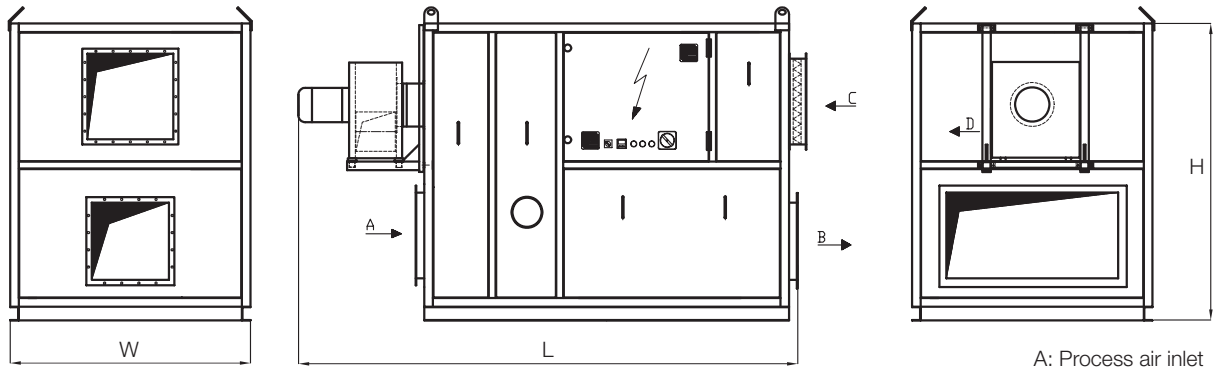


Pharmaceutical industry



Lupo bridge, Shanghai

Dimensions & weight



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

Type	L, mm	W, mm	H, mm	Dry air B, mm	Reg. air C, mm	Reg. air D, mm	Weight, Kg
CRP2000	2684	1000	1530	286 x 286	300 x 300	205 x 146	600
CRP2500	2684	1000	1530	286 x 286	300 x 300	205 x 146	600
CRP4000	2936	1200	1530	358 x 358	400 x 500	229 x 229	750
CRP6000	3108	1400	1730	450 x 450	500 x 500	229 x 229	1000
CRP8000	3209	1600	1930	504 x 504	500 x 625	229 x 229	1300
CRP12000	3409	1600	1930	504 x 504	500 x 625	288 x 288	1500
CRP18000	3780	2000	2430	635 x 635	800 x 800	288 x 288	1800
CRP25000	4202	2100	2600	712 x 712	800 x 800	453 x 453	2200
CRP30000	4750	2500	2950	802 x 802	900 x 900	507 x 507	2600

Technical data

Type	Dry air nominal m³/h	Reg. air nominal m³/h	Voltage / Phases	Connected load kW	Fans kW	External fuses (CRP..E) A	Capacity at 20°C, 50%RF kg/h
CRP2000	2000	650	400 / 3PH+PE	25	3,3	35	14
CRP2500	2500	750	400 / 3PH+PE	29,7	3,3	50	17
CRP4000	4000	1300	400 / 3PH+PE	47,6	4,1	80	26
CRP6000	6000	1850	400 / 3PH+PE	66,5	5,5	100	39
CRP8000	8000	2400	400 / 3PH+PE	91	7,0	160	53
CRP12000	12000	3800	400 / 3PH+PE	149	14,0	250	84
CRP18000	18000	5100	400 / 3PH+PE	199	19,0	315	120
CRP25000	25000	7200	400 / 3PH+PE	279	24,0	200 + 250	167
CRP30000	30000	8900	400 / 3PH+PE	348	33,0	250 + 315	203

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.



Manufacturer

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 Dehumidifiers & controls

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Sales

