



# The way to easier and more efficient dehumidification in smaller rooms

Extension of the Cotes CR-LK dehumidifier range makes a smaller and very efficient dehumidifier from Cotes available to the market.

Cotes now presents the new energy efficient CR01LK dehumidifier, equipped with an air-cooled condenser. The compact CR01LK model is designed for dehumidification duties in small-scale stationary installations, such as pump stations, crawl spaces etc. where it is difficult to install normal reg.air. ducts.

As the other members of the Cotes CR.LK range the CR01LK works on the principle that regeneration air is in a closed circuit, and this air is then cooled using the air present in the room. It means that the dehumidifier functions as a condensation dehumidifier, but with the characteristics of an adsorption dehumidifier.

The water from the dehumidification process condenses in the dehumidifier's heat exchanger, after which the water is led to the drainage system. This method is particularly effective at temperatures below 20°C with maintenance of low dew points.

## Features

- Compact design, energy efficient and effective dehumidification
- Closed reg.air flow circuit, air/air heat exchanger, air cooling
- All the energy supplied contributes as room heating
- Simple installation, only a hose needed for outlet of condensed water
- Cabinet manufactured in stainless steel
- Hygostat connection

## Applications

This range of dehumidifiers is used when connection of reg.air ducts is difficult, mostly in buildings far below ground or in mountains, e.g. water works, pump stations, water power stations, storerooms situated like this.

A typical surrounding condition for the CR01LK dehumidifier in e.g. a pump station could be +10°C to +20°C and maintaining a dew point of +4°C to +8°C.

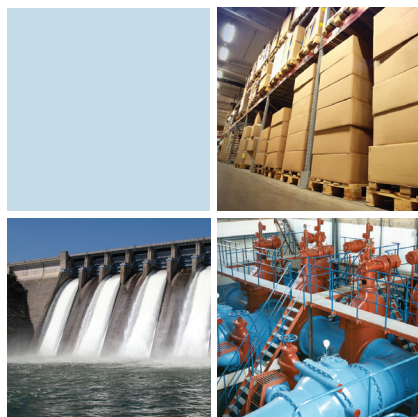
## Controls

The CR01LK dehumidifier can use the following Cotes humidity controls; DR10, DA20, DH24.

## NEW IN RANGE TYPE CR01LK

### References

- Water Works
- Pump stations
- Crawl spaces
- Dry air storage



## Technical data

Preliminary data

Type	Dry air nominal m <sup>3</sup> /h	Voltage/ Phases	Connected load kW	Reg. air Heater kW	External Fuses A	Capacity at 15°C, 60 %RH Kg/h
CR01LK	115	230/1N+PE	0,79	0,64	10	0,38

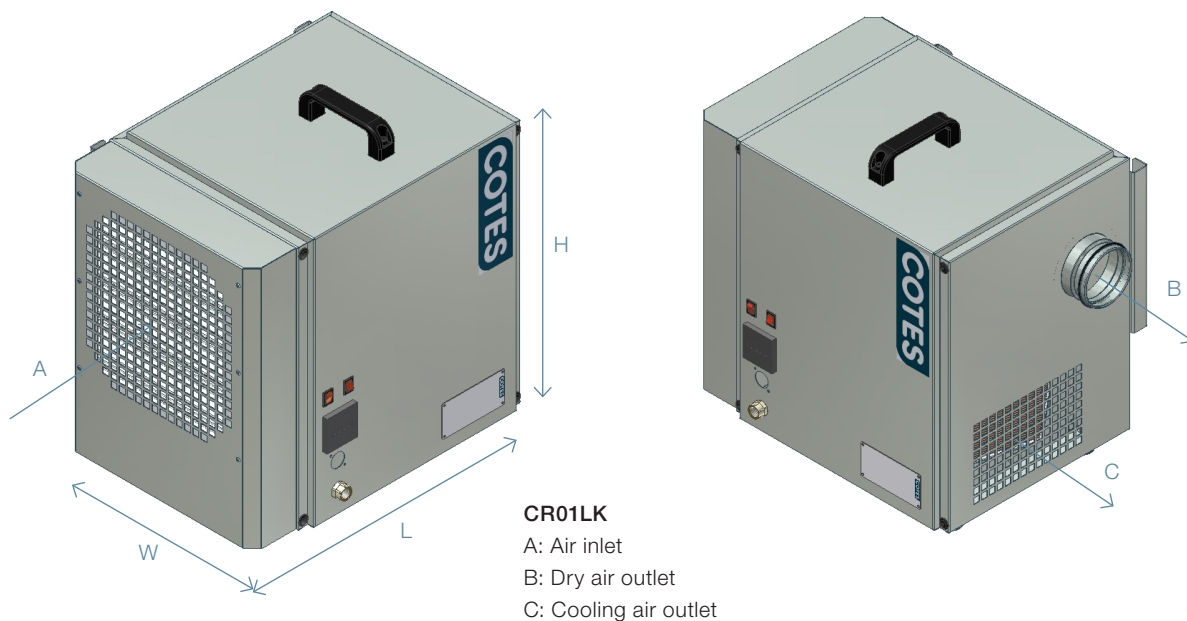
## Dimensions & weight

Type	L mm	W mm	H mm	Dry air outlet B mm	Weight kg
CR01LK	465	344	463	Ø 80	22

## Capacity

At different surrounding conditions

°C	Inlet air		Capacity
	%rF	g/kg	kg/h
15	60	6,3	0,38
15	40	4,2	0,28
10	60	4,6	0,32
10	40	3,0	0,23
5	60	3,2	0,28
5	40	2,1	0,20



### CR01LK

- A: Air inlet
- B: Dry air outlet
- C: Cooling air outlet

Distributor