

CDP 40-50-70  
**SWIMMING POOL DEHUMIDIFIERS**

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EXCLUSIVE DESIGN, ENERGY SAVING,  
IMPROVED INDOOR AIR QUALITY AND COMFORT



**Dantherm®**

# SWIMMING POOL DEHUMIDIFIERS

## FOR INDOOR SWIMMING POOLS, SPA & FITNESS ROOMS

Dantherm has developed a new range of CDP dehumidifiers for the discerning owner of indoor pools and spa etc. The new dehumidifiers are in an exclusive design that blends well with any interior.

In keeping with Dantherm tradition they are also developed with a focus to quality, functionality and energy saving. Highly efficient fans with low SFP value, high-efficiency compressors, combined with a new advanced remote control and monitoring options, contribute to cost-efficient operation and significant energy savings.



### WHY CHOOSE DANTHERM SWIMMING POOL DEHUMIDIFIERS?

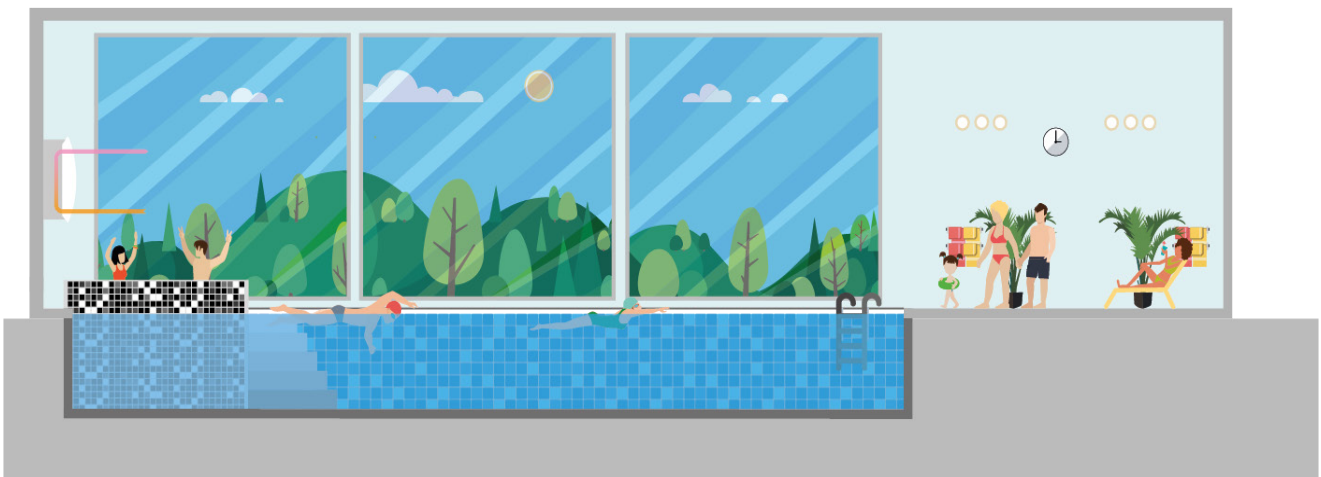
- Danish design and made in Denmark.
- Low sound level.
- Energy-efficiency and long lifetime.
- Reliable products – only high-quality components are used.
- Now with new developed remote control.
- Full range of pool room versions and through-the-wall versions.
- Better air quality and swimmer comfort.
- Experts - Dantherm has more than 50 years of experience in the design and manufacture of air handling solutions



*CDP-T through the wall version*



*CDP pool room version  
– wall mounted or floor standing*

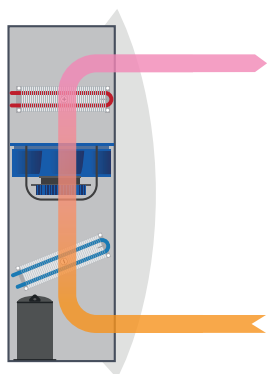


### Corrosion protection

Dantherm CDP swimming pool dehumidifiers are designed to endure the aggressive conditions in swimming pools. All metal parts and internal surfaces are powder coated before assembly and evaporator and condenser coils are made of epoxy-coated aluminium. The corrosion protection is in accordance with EN/ISO 12944-2, class C4.

### How it works

The CDP swimming pool dehumidifiers recirculate the humid pool air through an evaporator, remove the moisture and deliver dry, warm air back to the pool hall.



In this way the CDP swimming pool dehumidifier maintains a comfortable humidity, minimises condensation and keeps heating costs at the lowest possible level.

### Communication options

The CDP dehumidifiers are equipped with RS 485 gate for BMS communication, USB gate for PC Tool and they are prepared for internet communication.

### New remote control DRC1

A newly developed remote control allows reading and setting of relative humidity and temperature, alarms and service information.



DRC1 remote control

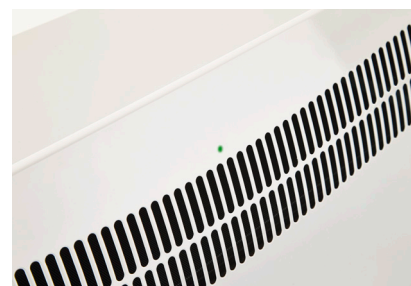
The DRC1 remote control has an installer level where it is possible to set temperatures for heating coil and exhaust fan, and to mate the remote control with the CDP dehumidifier's PCB. If the dehumidifier is fitted with heating coils, the fan starts automatically when heating starts. To avoid unintended change of settings the remote control can be locked.

### KEY FEATURES

- Low sound level
- Low energy consumption
- Evaporator and condenser coils are epoxy coated
- Metal parts are powder coated before assembly
- Optional remote control
- Integrated control of heating and humidity (ON/OFF)
- BMS communication (Modbus)
- USB gate for PC Tool
- Direct connection of 230 V on external box

### ACCESSORIES

- Wireless remote control DRC1
- Floor mounting kit
- Water heating coils
- Control valve for water heating coil
- Electric heating coils
- Exhaust fans
- Through-wall duct kit with filter, extension kit and alu grill
- Duct lead-in adapter



MODEL	CDP 40	CDP 40T	CDP 50	CDP 50T	CDP 70	CDP 70T
Air flow (m <sup>3</sup> /h)	400	400	680	680	900	900
Dehumidification capacity at 28° C / 60% RH (l/24 h)	34	34	52	52	69	69
Power supply (V)	1x230/50Hz	1x230/50 Hz	1x230/50 Hz	1x230/50 Hz	1x230/50 Hz	1x230/50 Hz
Sound level (dB(A))	46	43	47	44	50	47
Operating range (%RH)	40-100	40-100	40-100	40-100	40-100	40-100
Operating range (°C)	10-36	10-36	10-36	10-36	10-36	10-36
Height (mm)	770	700	770	700	770	700
Width (mm)	1010	998	1160	1148	1495	1483
Depth (mm)	326	304	326	304	326	304
Weight (kg)	56,5	57,5	65	66	75,5	77,5

# ABOUT THE DANTHERM GROUP

## Control your climate

The Dantherm Group is a leading provider of climate control products and solutions. The group companies have more than 60 years of experience in designing and manufacturing high-quality and energy-efficient equipment for heating, cooling, drying and ventilation for a wide range of mobile and fixed applications.

Every year, Dantherm Group uses significant resources on product development to stay in the forefront and is constantly adapting the products to changing market demands and legislation.

The Dantherm Group has a number of strong brands with well-established market positions in the mobile, pool, commercial/industrial and residential markets.

Dantherm Group customers benefit from our comprehensive knowledge base and the experience and expertise that we have gained from more than three million climate control products and solutions sold worldwide.

## Global reach

The Dantherm Group is headquartered in Skive, Denmark and has its own market presence in Norway, Sweden, United Kingdom, Germany, Switzerland, Italy, Spain, Poland, Russia, China and United Arab Emirates.

In 2016 the Dantherm Group was acquired by the Swedish equity fund Procuritas Capital Investors V LP – a strong owner with the ambition to continue the development and growth of the company.

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CLIMATE SOLUTIONS

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