

CDP 40-50-70
SWIMMING POOL DEHUMIDIFIERS

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?

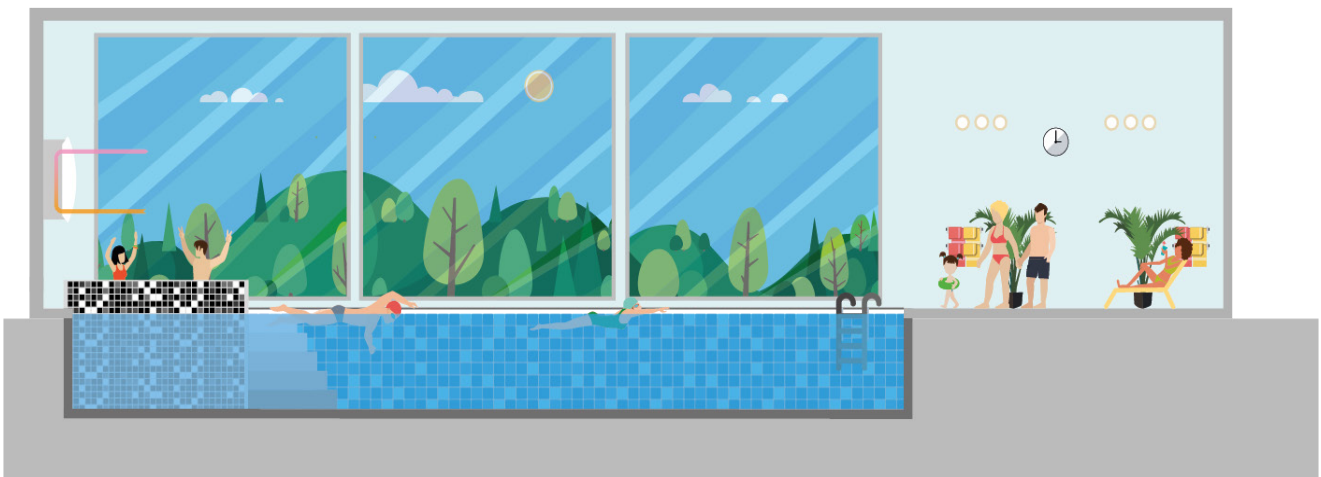
- Danish design and made in Denmark.
- Low sound level.
- Energy-efficiency and long lifetime.
- Reliable products – only high-quality components are used.
- Now with new developed remote control.
- Full range of pool room versions and through-the-wall versions.
- Better air quality and swimmer comfort.
- 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

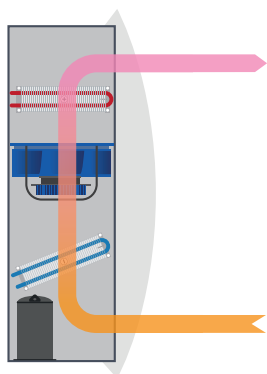


Corrosion protection

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

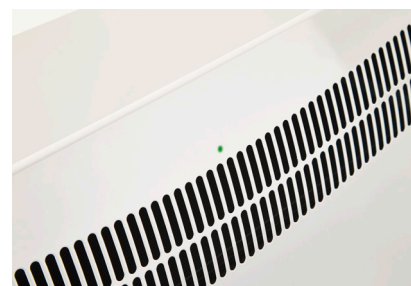
The DRC1 remote control has an installer level where it is possible to set temperatures for heating coil and exhaust fan, and to mate the remote control with the CDP dehumidifier's PCB. If the dehumidifier is fitted with heating coils, the fan starts automatically when heating starts. To avoid unintended 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 ³ /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