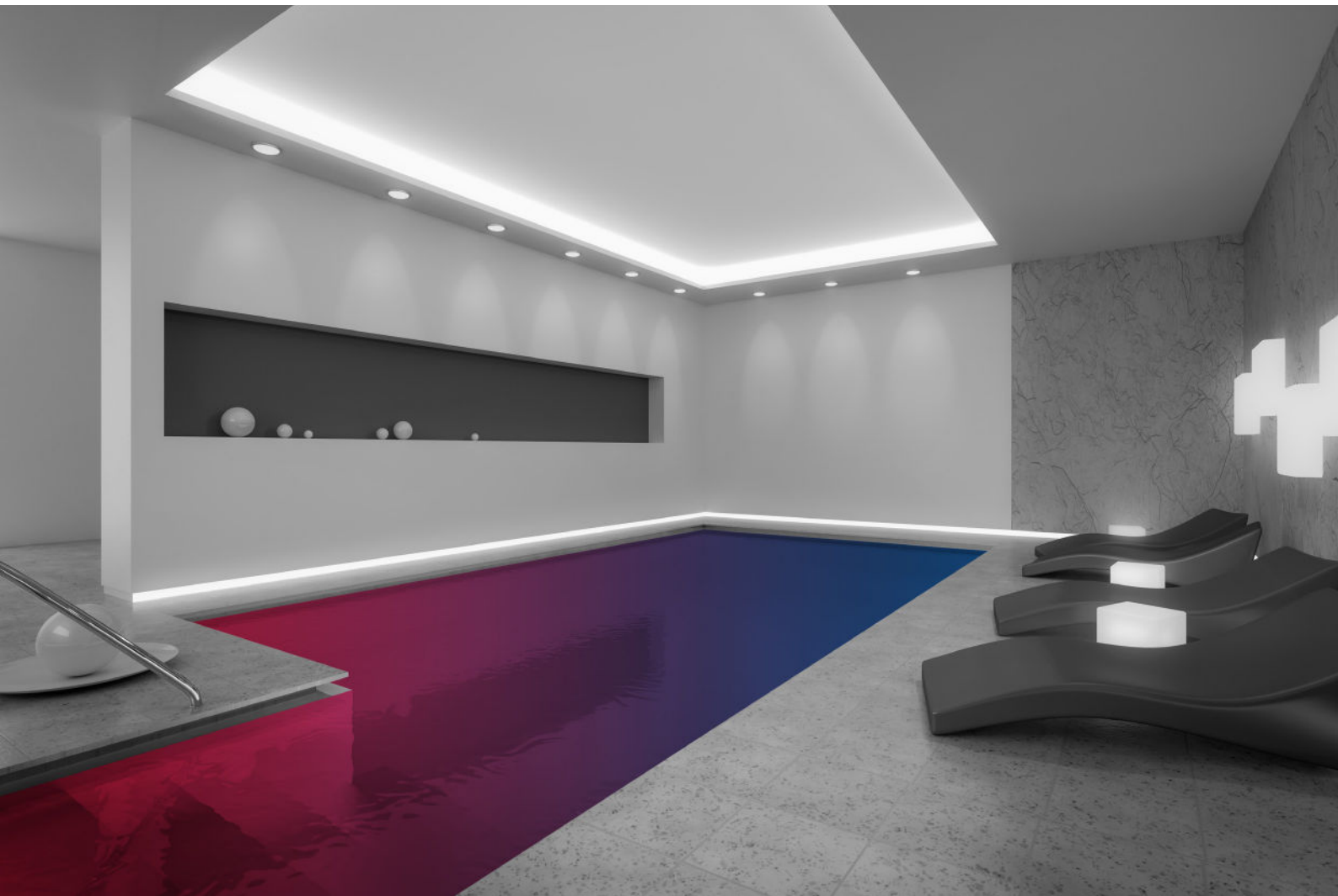


CDP 75-125-165 SWIMMING POOL DEHUMIDIFIERS

Small footprint – high capacity



Dantherm[®]
CONTROL YOUR CLIMATE

DUCTED SWIMMING POOL DEHUMIDIFIERS

for larger private swimming pools, hotel pools, and fitness centres

In pools areas and rooms where volumes of water cause considerable evaporation, efficient dehumidification is crucial. First of all it protects the buildings against rot and corrosion and secondly – but equally important – it ensures a comfortable environment for the people using the facilities.

Fully automatic operations

The CDP 75-125-175 dehumidifiers are supplied with electronic control and are prepared for connection of external hygrometers and thermostats. With the optional duct or room hygrometers you can control the relative humidity. An electronic module provides a display panel with LEDs and push buttons for switching on and off dehumidification, heating and continuous ventilation.

Heating coil

As accessory we offer a water heating coil which should be mounted in the duct and can be used to heat up the dry supply air to the pool room.



Water heating coil

Water cooled condenser

With an optional water cooled condenser the excess heat from the dehumidification process can be used to heat up the pool water or the utility water.



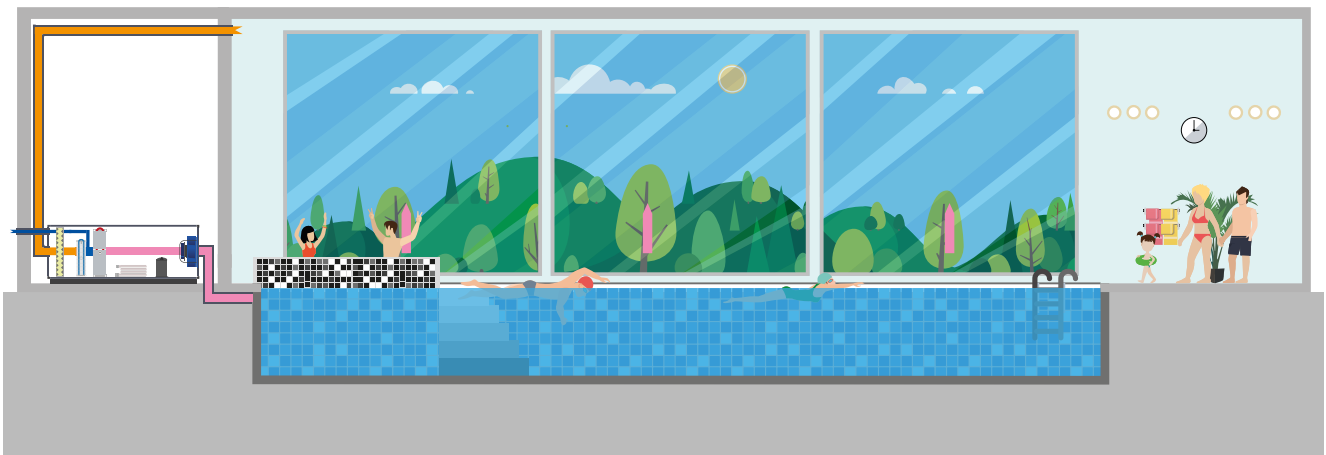
Water cooled condenser

Outdoor air supply

To ensure good air quality and increase dehumidification capacity up to 15% outdoor air can be supplied to the air distribution via a separate outdoor air duct.

Key features of CDP 75-125-165:

- Low sound level
- Low energy consumption
- Low SEC value
- Evaporator and condenser coils are epoxy coated
- Metal parts are powder coated before assembly
- Highly flexible installation
- Compact unit designed to suit any plant room configuration
- Sandwich cover panels with 45 mm insulation
- Up to 15% outdoor air supply
- Optional water-cooled condenser
- Wall or floor mounting
- Corrosion class C4



GREAT FLEXIBILITY AND SUPERIOR CORROSION PROTECTION

Corrosion protection

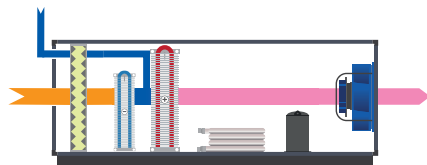
Dantherm CDP swimming pool dehumidifiers are designed to endure the aggressive conditions in swimming pools. All metal parts and internal surfaces are powder coated before assembly and evaporator and condenser coils are made of epoxy-coated aluminium. The corrosion protection is in accordance with EN/ISO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

How it works

A fan draws the humid air over the evaporator in the cooling unit, and the water vapour in the air condenses and is led to the drain.

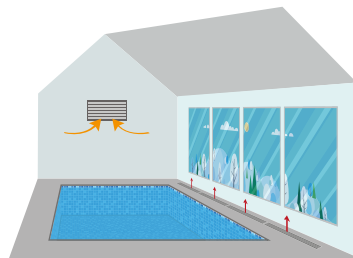
The CDP Dantherm pool dehumidifiers are condense dehumidifiers and a condense dehumidifier generates energy because of the condensation process and the compressor and fan power input.

If desired, the surplus energy or some of it can periodically be removed via a water-cooled condenser.



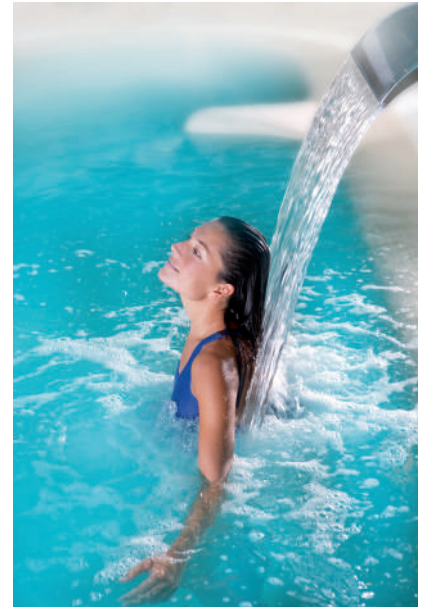
Air distribution

Distributing the air in the pool room plays an important role. It is important that critical areas and surfaces are supplied with sufficient volumes of dry air. For example in swimming pool halls with large window areas, a solution where the dehumidified and warm supply air is led through pipes under the floor and blown out by the windows is an ideal choice. In this way condensation on the windows can be avoided.



Great flexibility

The CDP 75-125-165 swimming pool dehumidifiers are highly flexible and can be adapted to almost all plant room configurations. As standard, the supply air to the room is from the side (horizontal). Optionally supply air can be from the top (vertical). The control panel as well as the access for inspection can be positioned on either side of the unit.



Accessories:

- Room hygostat
- Duct hygostat
- Room thermostat
- Water heating coil
- Shockabsorbing floor mounting kit
- Wall mounting kit
- Defrost sensor
- Failure monitoring kit

Model	CDP 75	CDP 125	CDP 165
Air flow (m ³ /h)	1500	2500	3600
Dehumidification capacity at 28° C / 60% RH (l/24 h)	74	124	162
Power supply (V)	1x230/50 Hz	1x230/50 Hz + 3x400/50 Hz	3x230/50 Hz + 3x400/50 Hz
Sound level (dB(A))	58	60	63
Operating range (%RH)	40-100 %	40-100 %	40-100 %
Operating range (°C)	20-38	20-38	20-38
Height (mm)	650	850	975
Width (mm)	1155	1300	1400
Depth (mm)	725	900	1010
Weight (kg)	130	160	190
Water cooled condenser	optional	optional	optional

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 an 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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