

# Water Cooling Station

## Compact Cooling Station

**CCE10x**

Data sheet 1(2)

### Compact Cooling Station CCE10x

Compact Cooling Station CCE is subframe assembled redundant pump solution for closed loop water cooling systems. The station is designed to be easily integrated with the cooling construction and it can be mounted into the electrical cabinet at the customer's premises. The use of space is most efficient.

### Operation

The cooling station circulates coolant between power electronics and heat exchanger. 3-way valve is used to ensure constant temperature in cold conditions. Power supply and control system are easy to connect. All internal wirings are ready made. The customer usually controls the operation of the station from the upper level system.



**CCE10x**

### Options

- The water to water heat exchanger can be integrated to the station or the external water to air heat exchanger can be mounted.
- Optionally the local control system with intuitive touch panel interface and profibus connection to upper control system are available.
- The station can be delivered with electrical heater to ensure constant temperature during start-up in cold conditions.

### Benefits

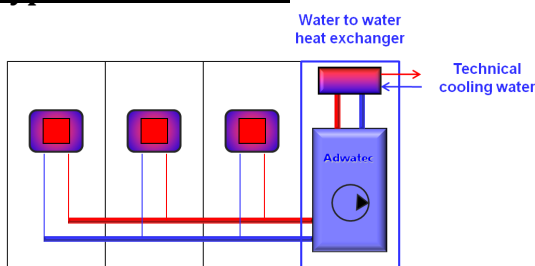
- Easy to integrate with the cooling construction
- Minimum foot print need
- Fast and easy commissioning (automatic de-aeration and visual coolant level indication)
- Stainless steel industrial pumps and copper free materials ensure long and reliable operation

### Technical details

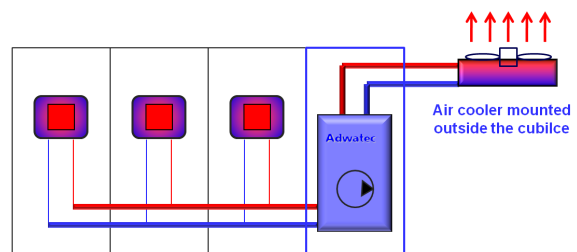
Cooling capacity	up to 150 kW
Coolant flow	up to 300 l/min
Expansion tank	12 liters, stainless steel
Water connections	Pipe 48,3 mm (DN40)
Instrumentation	Temperature sensors Pressure sensors Coolant level indicator Coolant level alarm
Materials	Stainless steel and aluminum All materials are copper free No surface coatings
Coolant	Water De-ionized water Water-glycol mixture

Main dimensions	CCE
Width (mm)	592
Depth (mm)	583
Height (mm)	1677

### Typical installations



Cooling station with integrated water to water heat exchanger



Cooling station with external water to air heat exchanger