Modul

VEX4000-CW / HW

VEX4000 – COOLING AND HEATING COILS

Water coils for heating or cooling the supply air after the heat exchanger.

Principles of operation

CONSTRUCTION AND CONNECTION
The heat/cooling coils are made from copper piping with aluminium fins integrated in steel panel frames. The number of pipes and circuits depends on the applicable heating or cooling requirement.

In the units, the heat/cooling coils are mounted on guide rails for pulling out, inspection and maintenance. Pipe connections and panels must be dismounted prior to pulling out.

The cooling function is constructed with a corrosion-resistant base tray with a drain under the cooling coil.

The base tray is designed with a fall to the drain, in order to avoid accumulating stagnant water. The drains have smooth piping and exit the panel on the operating side, where a water trap must be fitted.

Connection – general for all types of cooling and heating coils
It is important to ensure correct flow through the cooling/heating coils. For this reason, the cooling/ heating coils should/must be dimensioned for the actual circumstances, such as airflow, temperature settings for the water in the coil and the desired delivery temperature of the coil.

Product description

FUNCTION AND APPLICATION
Heating coils are usually used for heating the supply air if the temperature is too low after the heat exchanger.

The water heating and cooling coils work by the supply air passing over the heating elements in the coil, which are heated or cooled down with water. The supply air absorbs heat/cold from the heating elements, and so achieve a higher or lower temperature. The water in the heating/cooling coils is led away through pipe penetrations on the operating side of the unit.

Reference arguments

CW cooling coil/HW heating coil
FUNCTION AND APPLICATION
Heating coils are usually used for heating the supply air where the temperature too low after the heat exchanger.

The water heating and cooling coils work by the supply air passing over the heating elements in the coil, which are heated or cooled down with water. The supply air absorbs heat/cold from the heating elements, and so achieve a higher or lower temperature. The water in the heating/cooling coils is led away through pipe penetrations on the operating side of the unit.

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Curve