



Brine-to-Air Heat-Exchanger type CWK Standard for ventilation systems with 100 - 400 cbm/h

- Use:** Preheating of cold fresh air to avoid icing inside ventilation systems with high efficient heat exchangers by ground heated brine. In hot season useable to pre-cool fresh air with grounds lower temperature.
- Construction:** Body made of aluzinc steel. Heating grid with aluminium finns and copper pipes. Air channel connections with rubber gaskets. Inner inox condense tank with drain connection 1/2" at the right side - seen in airflows direction.
- Maintenance and cleaning:** Seen in air flow direction - the left-hand side panel can be opened foe easy access to inspect and to clean. Therefor when mounting, make sure to leave at least 40 cm (16 in) of free space beside.
- Sizes:**
- | Version | Length | Width | Height | Air pipe diam. |
|---------------|--------|--------|--------|----------------|
| CWK 200-3-2,5 | 356 mm | 398 mm | 330 mm | 200 mm |
| CWK 250-3-2,5 | 356 mm | 485 mm | 405 mm | 250 mm |
| CWK 315-3-2,5 | 356 mm | 558 mm | 504 mm | 315 mm |
| CWK 400-3-2,5 | 460 mm | 700 mm | 529 mm | 400 mm |
- Power/ Dimensions:** Max. use temperature: 150°C (302°F), brin pressure max: 1,6 MPa (16 bar). The pipes are pressure tested. Heating power depends on brine and fresh air temperature as well as air flow. With an outdoor air temperature of -12°C (10°F) an brine temperature of 7°C (45°F), we recommend out of our experience:
 CWK-200 up to 200 m³/h airflow with > 90 m brine pipe in 1,5-2,5 m depth
 CWK-250 up to 250 m³/h airflow with >120 m brine pipe in 1,5-2,5 m depth
 CWK-315 up to 310 m³/h airflow with >160 m brine pipe in 1,5-2,5 m depth
 CWK-400 up to 400 m³/h airflow with >200 m brine pipe in 1,5-2,5 m depth
- Installation:** Airflow horizontally only., body tilted some 10-15° degrees towards the drain outlet -(see sketch beside).
- Accessories:** Netec Brine Pump controller HTR2-2 (stepless modulating)
Netec Pump- and Safety-Set PGR-2 with high efficiency pump

