



**netec**

**Energy Technology**

Dipl.-Pol. Klaus Michael  
Sachsenstraße 27  
D - 32756 Detmold

Tel.: 0049 (0)5231 / 390 748  
Fax: 0049 (0)5231 / 390 749  
Email: info@sole-ewt.de  
Internet: www.sole-ewt.de

## Brine-to-Air Heat-Exchanger type PGK or WCS for ventilation systems with 500 - 12.000 m<sup>3</sup>/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 precool fresh air with grounds lower temperature.
- Construction:** Body made of aluzinc steel. Heating grid with aluminium fins 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. The tank can be withdrawn in one piece for easy cleaning. See small picture
- Sizes:** Available for air volumes from 500 to 12.000 m<sup>3</sup>/h. Will be individually built to measure. Please state the data:
- Airflow in m<sup>3</sup>h (common and max. airflow)
  - max. air pressure drop wanted (10...40 Pa)
  - max. fluid pressure drop wanted (0,5 ...10 kPa)
  - max. air preheating wanted (f.e. -15°C up to +0°C)
  - max. air precooling wanted (f.e. +35°C down to +22°C)
  - min. ground temperature in cold season (f.e. +5°C)
  - max. ground temperature in hot season (f.e. +17°C)
- Power/Dimensions:** Max. use temperature: 150°C (302°F), brine 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.
- Installation:** Airflow horizontally only. Minimal lower distance to floor 50 cm to allow to open the condense water tank of needed.
- Prizes** Depends on size. For example: 2000 m<sup>3</sup>/h, max. 27 Pa air pressure drop, 500\*1000 mm air channel about 1450 € net (+ VAT and shipping).

