
Klingenburg Regenerative Rotating Heat Exchanger



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Product description

Klingenburg Rotary Heat Exchanger in PREMIUM execution

MODEL RRT

Designed as:

Condensation Rotor according to VDI 2071*

or

Enthalpy Rotor resp. Sorption Rotor according to VDI 2071*

- For optimal multiple use by sensible and latent energy in the extract air.
- Vertical and horizontal installation position possible for every size, convenient for fitting in air conditioner or for direct connection to aeration system.
- Variable housing dimension for all construction sizes, maximal height or width up to 8000 mm.
- Housing and rotor wheel standard up to 2380 mm undivided, however divided execution available for all dimensions.
- Rotor matrix out of sea water resistant aluminium alloy, composed of waved and flat, continuous wound layers to guarantee laminar air flow. Compact and smooth heat wheel face.

Housing

- Stable continuous welded aluminium housing design, made of rectangular profiles.
- Seawater resistant aluminium, all coating sheets removable.
- Low weight and simple access to all components.
- Adjustable and wear resistant seals completely adjacent round the wheel.
- Maintenance-free antifricition bearings, up to size 1250 inside located, protected by surrounding hub, above size 1250 outside located, for better load suspension, protected by the bearing frame.

Rotor matrix

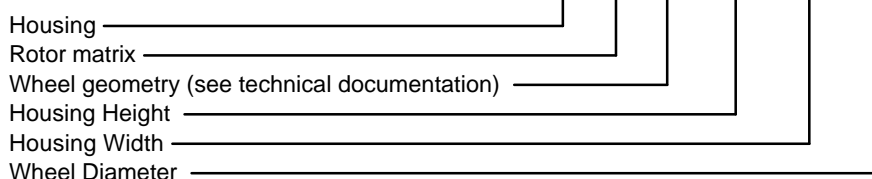
P / E / N: Condensation Rotor (P) for sensible, Enthalpy Rotor (E) resp. Sorption Rotor (HUgo N) for sensible and latent energy recovery. Matrix mechanical fixed with opposite arranged welded internal and external double spoke system, as well as framed segments in case of divided rotor. Prevention of non aerated areas and consequently avoidance of corrosion and increased life time.

PT / ET / NT: Condensation Rotor (PT) for sensible, Enthalpy Rotor (ET) resp. Sorption Rotor (HUgo NT) for sensible and latent energy recovery with inside installed radial tension rods.

KT: Condensation Rotor with special epoxy coating, for increased corrosion protection.

Example description of product type:

RRT - E - C19 - 2000 / 1800 - 1720



*) VDI: Association of German Engineers