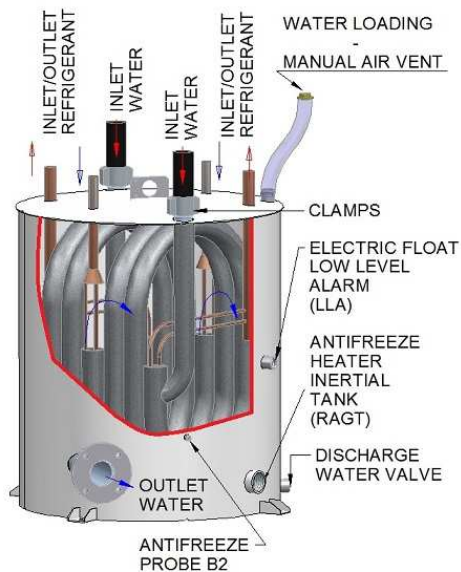


HITEMA COAXIAL EVAPORATOR



- ENR / ENRF / CSE series up to 100kW
- Single or double evaporator coil
- Storage tank – open or closed type
- Available in carbon steel or in stainless steel
- Coaxial evaporator – guaranteed up to 10 years

Hitema coaxial evaporator is characterized by compact design, it consists in a convoluted tube in tube exchanger (outer tube in carbon steel, inner tubes in copper) installed inside the water storage tank, the evaporator cools the process fluid that flows in countercurrent with the refrigerant fluid evaporating inside the copper tubes.

ADVANTAGES

- **High efficiency:** the counter-flow execution achieves a rapid heat transfer at high efficiency between the liquids.
- **Robustness:** The thickness of copper pipes used for Hitema coaxial evaporator is 0.7mm, three times the thickness of a normal shell&tube evaporator. It ensures longer durability.
- **Self-cleaning:** the coaxial geometry allows high fluid velocity and good cleanliness inside the exchanger, with stable performances in long-term.
- **Low maintenance:** Hitema coaxial evaporator requires low maintenance due to its self-cleaning function. Designed for industrial application, with its wide flow section ensures a high level of reliability also with liquids containing impurities.
- **Optimal temperature control:** the system coaxial evaporator with storage tank assures optimum precision in the control of temperature even in the presence of highly variable thermal loads from the user avoiding frequent ON/OFF cycles which are detrimental to the lifetime especially of the compressors.