



V-Shaped dry cooler

D-SERIE: V-Shaped dry coolers with axial fans for outdoor use

Cooling capacity from 200 kW to 2500 kW



Outdoor installation



Low Noise



EC fans



High efficiency



Natural Refrigerant



Floating pack system

ROEN EST's V-shaped dry coolers with axial fans are suitable for outdoor applications, using highly sustainable R718 refrigerant and brines. Configurable for low noise levels and capacity to exactly match system requirements. Compared to cooling towers and wet systems, our V-shaped dry coolers require little maintenance and are highly effective in preventing Legionella contamination. The V-shape is ideal for remote installations where footprint is limited.

FEATURES

- Use H₂O natural refrigerant and brine
- **Finned coil:** Built with copper tubes Ø 12mm and Ø5/8". Designed with 'Floating pack system', which allows the coil to levitate to avoid leaks
- **Fans:** Equipped as standard with AC fan motors.
Axial fans with external rotor (380-480V III 50/60Hz)
Compliant with ErP Directive Ø 800/870/910/960 mm.
- **Casing:** Pre-painted aluminum
- **Design pressure:** PS=30bar PT=43bar

OPTIONS

FIN MATERIAL

- Copper headers with brass screw connection
- Copper headers with SS slip-on Flanges - Nominal Pressure 10 - DIN2633
- Stainless steel tubes ('F' Module)
- Copper Fins
- Coated Fins
- AL-MG Fins
- AquaAero treatment
- Blygold treatment
- Other coil surface treatment

CASING

- AquaAero protection casing
- Silentblocks
- Internal inspection walkway

ELECTRICAL OPTIONS

- Main service switch
- Basic electrical wiring (WE)
 - Individual service switch by fan

- Electrical standard panel (WEPPF)
 - Individual service switch by fan
 - EC speed controller + temperature probes (basic)
- Electrical premium panel (WEPM)
 - Individual service switch by fan
 - EC speed controller + temperature probes (advanced)
 - Adiabatic control
 - BACnet router

OTHER

- Adiabatic spray system
- Adiabatic PAD system
- Recirculation water system

APPLICATION



IT cooling



Industry



Oil & Gas