



Flat dry cooler

DHN/DCH: Flat dry coolers with axial fans for outdoor use

Cooling capacity from 7 kW to 630 kW



Outdoor installation



Low Noise



AC fans



High efficiency



Natural Refrigerant



Floating pack system

ROEN EST's flat dry coolers with axial fans are suitable for outdoor applications, using highly sustainable R718 refrigerant water and brines. Configurable for low noise levels and capacities to exactly match system requirements. Compared to cooling towers and wet systems, our flat dry coolers require low maintenance and are highly effective in preventing Legionella contamination.

FEATURES

- **Finned coil:** Built with 1/2" copper tubes and louvered aluminium fins. 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 630, 910 mm
- **Casing:** Galvanised steel painted with epoxy-polyester, and then baked and cured at 180°C giving it a high protection against corrosion even in extreme environmental conditions
- **Design pressure: PS=30bar PT=43bar**

OPTIONS

FIN MATERIAL

- Copper Fins
- Coated Fins
- Other not standard fin material

CASING

- Extended legs
- Stainless steel AISI304
- Anti dampers

ELECTRICAL OPTIONS

- AC fans
- Speed controller
- Wiring into centralized box (included with EC Fans)

- Service switch
- Motor protection
- Fan diffuser

OTHER

- AquaAero
- Blygold
- Spray adiabatic system
- Pads adiabatic system (coming soon)

APPLICATION



IT cooling



Industry



Oil & Gas