



Flat dry cooler

D-Serie: Flat dry coolers with axial fans

Cooling capacity from 10 kW to 1215 kW



Outdoor
installation



Low
Noise



EC 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 Ø12mm copper tubes and turbulent aluminium fins. Designed with 'Floating pack system', which allows the coil to be suspended to avoid leaks
- **Fans:** Equipped as standard with EC fan motors with external rotor (380-480V III 50/60Hz) compliant with ErP Directive Ø450, 630, 800, 910 mm
- **Casing:** Galvanised steel painted with epoxy-polyester, subjected to heat treatment at 180°C giving it a high protection against corrosion even in extreme environmental conditions
- **Design pressure: PS=16bar PT=23bar**

OPTIONS

FIN MATERIAL

- Flanges galvanized steel
- Flanges stainless steel
- Copper Fins
- Coated Fins
- AL-MG Fins
- AquaAero treatment
- Blygold treatment
- Other coil surface treatment

CASING

- Stainless steel casing
- Silentblocks

ELECTRICAL OPTIONS

- AC fans
- Fans speed controller
- Wiring to centralised electrical boxes
- Wiring to centralised electrical box with magnetothermics
- Shielded Wiring
- Individual service switch by fan
- Main service switch

OTHER

- Adiabatic spray system

APPLICATION



IT cooling



Industry



Oil & Gas



Food processing