

INSTA-KOOL

Falling Film Chiller for Pre-Cooling

INSTA-KOOL works by creating a thin film of water on heat transfer surfaces.

Fabdec offers between two and fourteen pillow plates to match specific cooling capacities.

Each unit delivers energy-efficient operation with minimal maintenance & low running costs.

Why invest?

- 👍 Instant cooling to low temperatures -1°C (30°F)
- 👍 Highly efficient heat transfer with constant thin water/glycol film
- 👍 Easy access for cleaning and maintenance
- 👍 All stainless steel construction, for outdoor use

Technical Info

- Up to 12 heat transfer plates per system
- Maximum total surface area 54 sqm (580 sq. ft)
- Maximum cooling capacity 130 kW (440,000 BTU)
- Plate size: 4' x 5' or 5' x 5' - up to 12 plates
- Cooling duty: 9 kW per plate at -7°C evaporation temperature
- Sump volume: 700 L



Dimensions and Options

Part No.	Description
INSTA-KOOL Series 4.0	Size: 3.85' Width x 7.63' Height x 5.25' Depth Removable coolant distributor with up to 12 plates (4ft x 5ft) Maximum cooling capacity 108kw / 360,000 BTU
INSTA-KOOL Series 5.0	Size: 4.30' Width x 7.37' Height x 6.10' Depth Fixed coolant distributor with up to 12 plates (5ft x 5ft) Maximum cooling capacity 130kw / 444,000 BTU
Evaporator plate Series 4.0	Cooling capacity 9.0kw / 30,000 BTU
Evaporator plate Series 5.0	Cooling capacity 10.8kw / 37,000 BTU
Twin pump set	1ph 230V 50Hz, stainless steel manifold and weatherproof covers
INSTA-KOOL Thermostatic controller	Temperature and pressure sensor for up to 6 condensing units

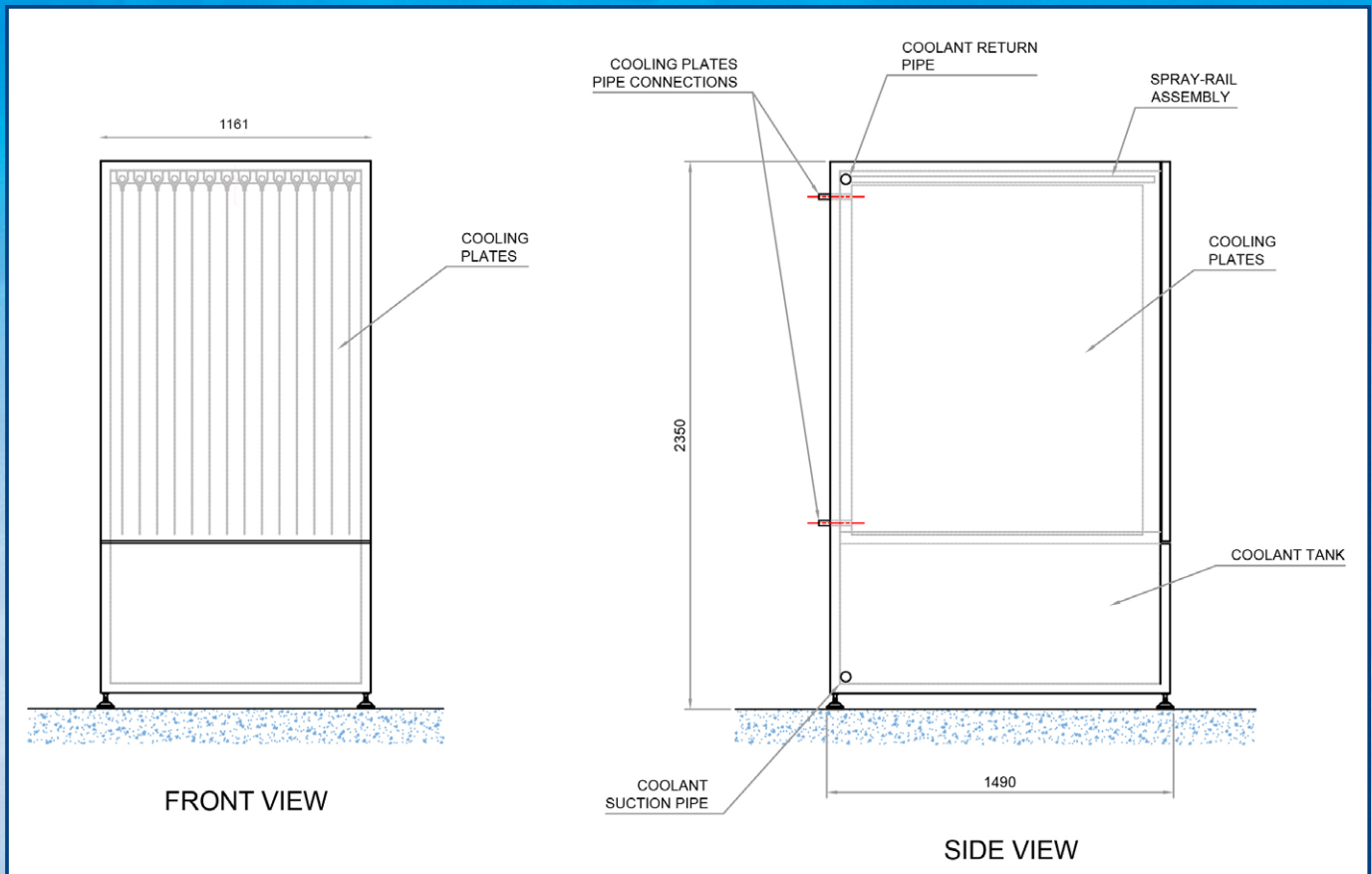
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DARI-KOOL[®]

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