



# ADIABATIC

DRY COOLERS



TECHNOLOGY FOR THE FUTURE  
AVAILABLE TODAY



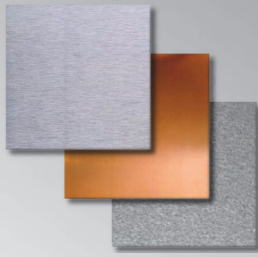
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# OPTIONS & ACCESSORIES

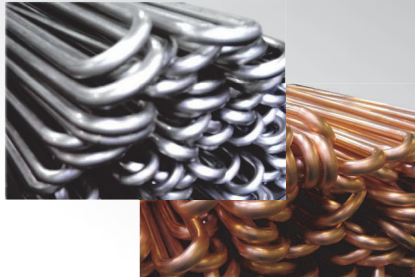
## Casing Material options

AluZinc -185  
 Aluminium Magnesium  
 304 AISI  
 316 AISI



## Coil Tubes and Headers

Copper  
 Aluminium  
 304 AISI  
 316 AISI  
 Titanium

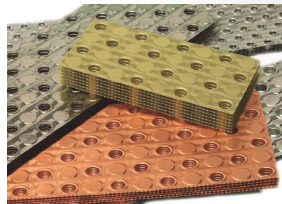


## Add value with FlexShield

The right material at the right price. The FlexShield material array allows the design engineer complete flexibility in choosing materials for best heat transfer and construction concerns. Flex coil's versatile manufacturing capabilities allow stocked materials to be readily selected with no delivery restraints. .

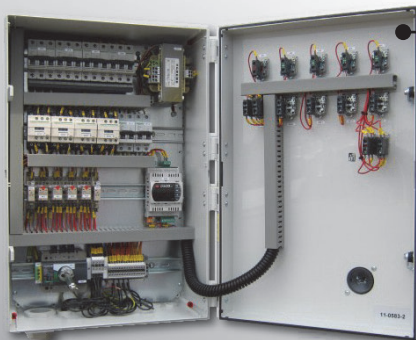
## Fins

Aluminium .  
 Copper  
 Electro-Tinned Copper (CuSn)  
 Aluminium Magnesium (AlMg)  
 Pre-Coated Aluminium (AlEp)  
 Hydrophilic (AlHy)



## Optional Accessories / Maximum Performance

- EC - Electronically Commutated Motors
- Factory Programmed Controls
- Adiabatic spray system ~ FlexSpray
- Customizable dimensions
- Customizable controls



Step control

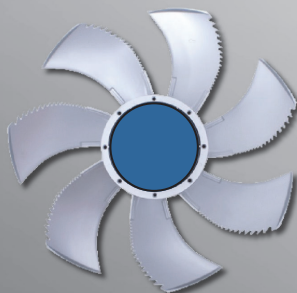


EC control

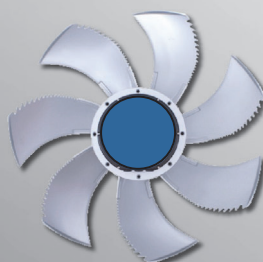


Variable freq. & Volt. control

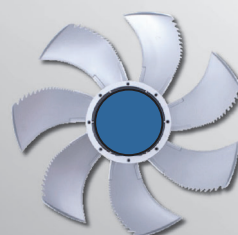
- Multiple and optimized fan selections



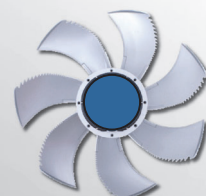
990 mm



910 mm



800 mm



630 mm



## **Adiabatic Cooling Water Quality Guidelines**

Since the Evaporation process allows the pre-cooling of the entering air, some consideration to the quality of the water being evaporated is warranted. In general, an open spray or a saturated pad will evaporate water to achieve the pre-cooling of the air. With the pad, the water flow over the pad will continually rinse the sediment, and flushing cycles can be programmed or manually accomplished if desired. The below chart represents water chemistry parameters that would present minimal if any concern. Parameters outside of the below ranges can be reviewed by your local Flex coil representative for each application. Flex Coil offers a full 2 year warranty on the first set of pads, and requires an assessment of any failure to determine if the cause was water quality related. In addition, entering air is seldom addressed, but could also be a concern in a volatile environment. Always consult Flex Coil if there is any concern regarding the application or material compatibility.

Guidelines	
Property < 20°C	V+FlexPad & FlexCooler
pH	7,0 - 8,8
Calcium Hardness CaCO <sub>3</sub> (ppm)	50 - 500
Alkalinity as CaCO <sub>3</sub> (ppm)	75 - 400
Conductivity μS/cm	< 1800
Chlorides as Cl (ppm)	< 300

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