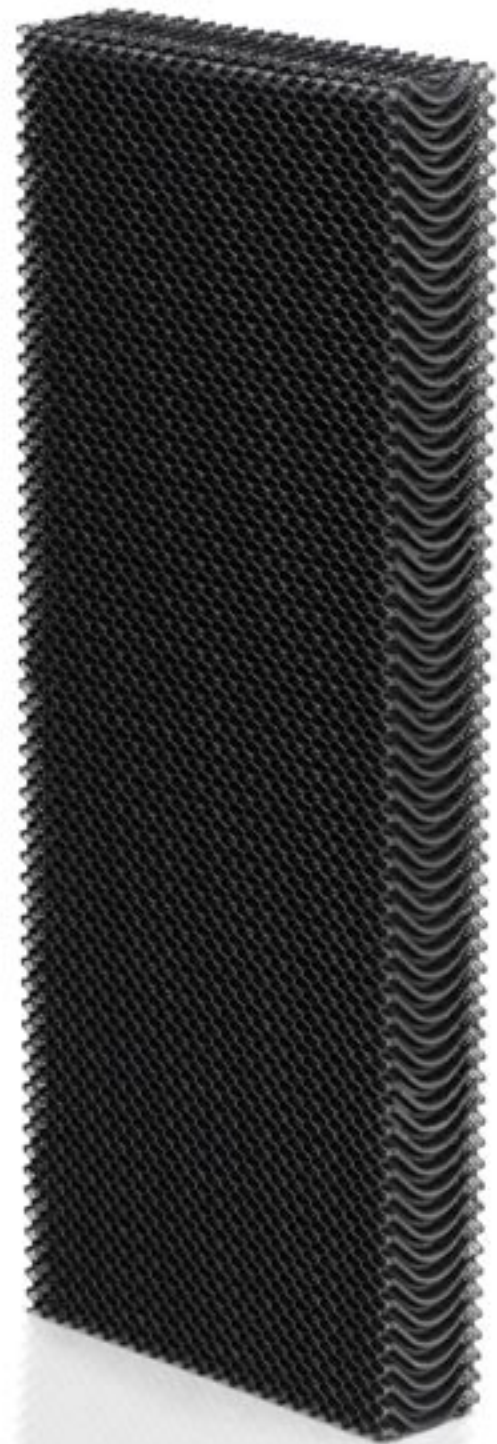


Cool-Net AK150

The new generation of evaporative cooling



- Cooling greenhouses
- Cooling live stock farms
- Cooling warehouses/factories
- Domestic comfort cooling
- Air humidification
- Air washing

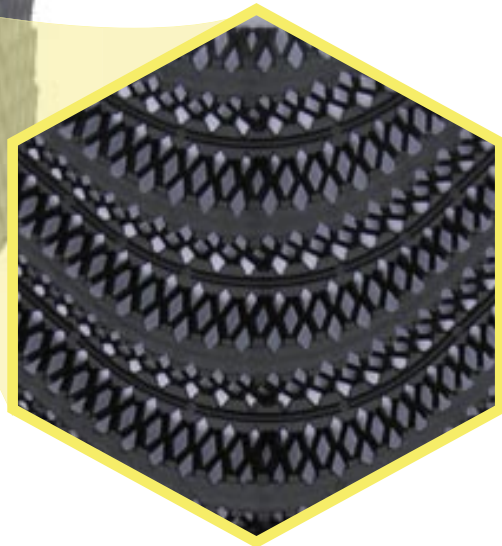
POLYPROPYLEEN COOLINGPAD FOR A WIDE RANGE OF APPLICATIONS

Cool-Net AK150

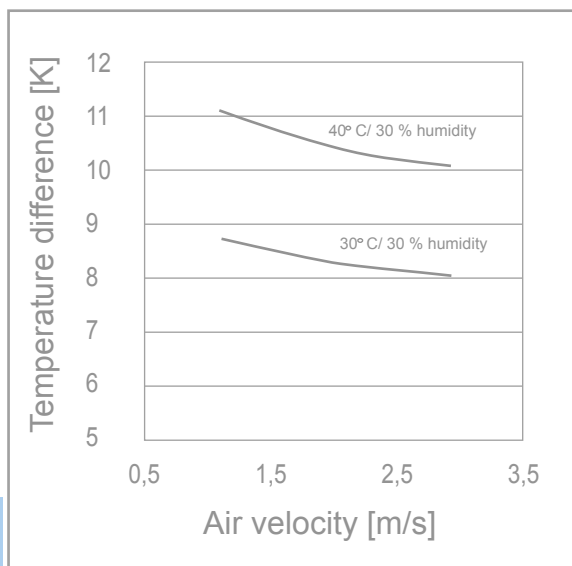
Shape and Structure

The Cool-Net shape and structure gives the pad it's unique characteristics.

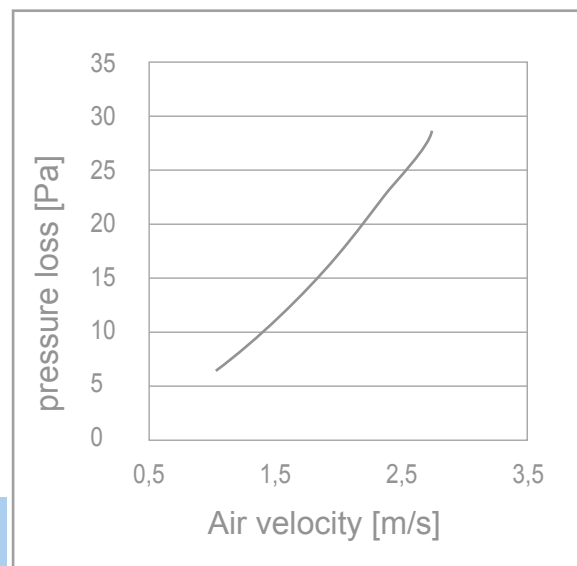
The way the pad elements are shaped and bonded together ensures a robust pad that spreads the water evenly over it's Net structure. This Net structure provides a large surface area for the cooling water to create a micro thin film on and between the Netting. This water is free available to evaporate easily to the passing airflow.



efficiency



pressure drop





Airflow:

Evaporative cooling systems are the most environmentally friendly ways of cooling.

Cool-Net will improve this environmentally friendly status even further. Electrical energy used for the airflow through the pad is the biggest energy consumer of the system. By reducing the pressure drop of the pad, created by its open structure, energy consumption of the fans can be reduced up to 30%.

Efficiency:

Cooling properties of evaporative cooling systems over time, strongly depend on the amount of minerals and organic-matter build up in the pad. The ability to clean the pads gives the Cool-Net a great advantage to keep the cooling properties consistent overtime. This makes your complete climate system more reliable and manageable.

The Cool-Net is made from high-grade polypropylene plastic that is enhanced with special UV stabilizers to guarantee quality and lifetime. The rigid plastic pad makes pressure washing and acid treatments possible.

Efficiency Cool-Net

			30%		40%		50%		60%	
30° C	°C	ΔT	21,4	8,8	23,2	7,3	24,4	5,9	25,4	4,6
	%	ΔPhi	71,3	40,2	76,6	35,7	79,6	30,4	86,4	26,2
35° C	°C	ΔT	25,8	9,2	27,5	7,6	28,8	6,1	30,2	4,8
	%	ΔPhi	67,4	36,8	73,1	33,0	78,8	28,5	85,2	24,9
40° C	°C	ΔT	29,0	11,1	31,0	9,7	32,7	7,2	34,4	5,6
	%	ΔPhi	70,1	40,3	76,1	37,6	82,4	31,9	86,8	26,5
50° C	°C	ΔT	36,9	13,1	39,5	10,7	41,6	8,5	43,3	6,6
	%	ΔPhi	70,1	40,6	76,3	36,5	81,6	32,1	85,3	27,1



R&D test facility Germany
(Also tested and proven under extreme
Australian and Middle East conditions)

Cool-Net AK150

The new generation of evaporative cooling

Advantages:

- Full open net-structure
- Large surface area
- Low pressure drop
- Long service life
- Cleaning of mineral and scale build up
- Short cycle time possible
- Acid wash possible
- Pressure cleaning possible
- Firstgrade Polypropylene
- UV-resistant
- Very robust

Dimensions:

- Width 0,6 m
- Thickness 0,15 m
- Height 1m, 1,5m, 2m standard
- Others heights up to 3m on request

Local dealer/installer:

