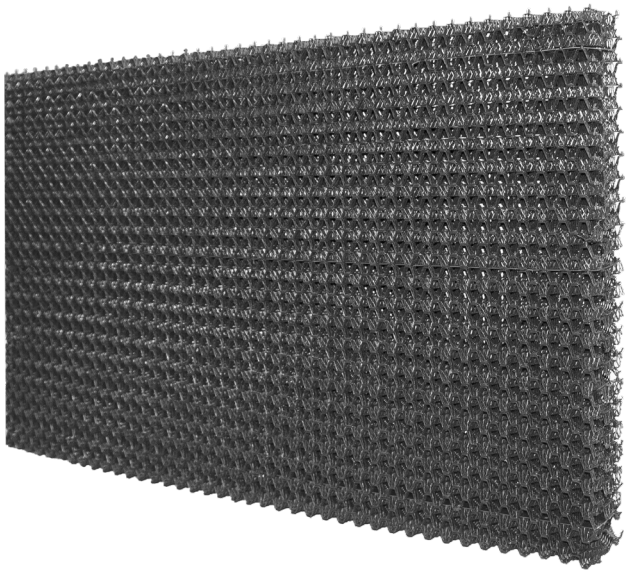
Munters Reventa CoolPads RCP 150

Cooling systems

The evaporative cooling pad system RCP 150 is used in systems that require a high degree of cooling efficiency. It can be used for a multitude of cooling applications, however is especially suited for the cooling of stables in which a higher air velocity is required.



Features

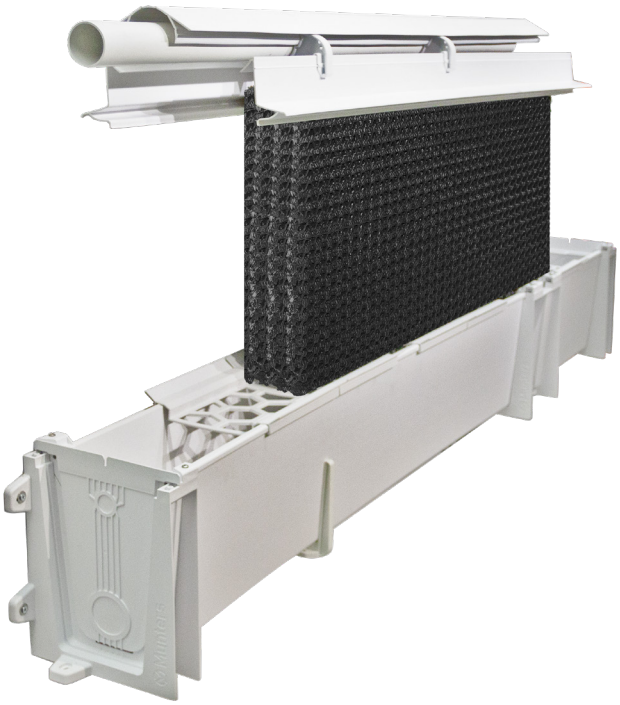
- CoolPads RCP consist of polypropylene and are therefore easy to clean and highly robust.
- Available in standard dimensions 1000/1,200/1,500/1,800/2.000/2.500 x 600 mm; Custom heights up to max. 3,000 mm available on enquiry
- Can replace standard paper pads without any problem
- Lower pressure loss compared to paper pads
- Long service life
- Length is flexible (up to 24 m/1 pump). Height max. 2.5 m.
- Quick and easy assembly
- High cooling performance

The CoolPad system RCP 150 is made of polypropylene and has a large surface of ~ 270 m2/m3 due to its completely open net structure. In addition, it is very robust, long-lasting and UV resistant.

The CoolPad system RCP 150 is available in the customary cool pad dimensions, 1,000/1,200/1,500/1,800/2,000/2.500 x 600 mm, and can therefore replace paper pads without any problem. And not only that, but it has the significant advantage of being easy to clean unlike paper pads!

In conjunction with the PVC pad frame system it delivers effective cooling in poultry and pig stables.

CoolPads RCP 150 can be cleaned easily with a high-pressure cleaner.



Munters Plastic Gutter (MPG) Pad-Rahmensystem

Munters Reventa CoolPads RCP 150

Cooling systems

Dimensions

		CoolPads RCP 150						
Länge	[mm]	6.000	9.000	12.000	15.000	18.000	21.000	24.000
Pad-Tiefe	[mm]	150	150	150	150	150	150	150
Pumpe[1]	(W)	750	750	750	750	1.500	1.500	1.500

[1]Anschlusswerte Pumpe: 3~400V/50Hz

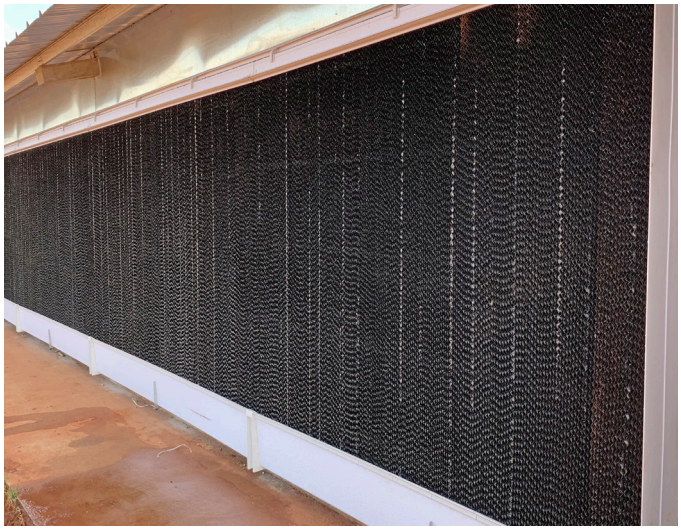
Cooling output

		Cooling output															
		T	rH	T	rH	T	rH	T	rH	T	rH	T	rH	T	rH	T	rH
		[°C]	[%]	[°C]	[%]	[°C]	[%]	[°C]	[%]	[°C]	[%]	[°C]	[%]	[°C]	[%]	[°C]	[%]
Air temperature in front of the pad	50 °C	32,2	49														
	48 °C	30,9	49	33,9	59												
	46 °C	29,6	49	32,3	59	34,7	67										
	44 °C	28,2	50	30,9	59	33,1	67										
	42 °C	26,9	50	29,3	60	31,5	67	33,5	74								
	40 °C	25,5	51	27,9	60	29,9	68	31,8	74	33,4	80						
	38 °C	24,1	52	26,3	60	28,3	68	30,0	74	31,6	80	33,1	85				
	36 °C	22,8	52	24,8	61	26,7	68	28,4	74	29,9	80	31,3	85	32,6	89	33,8	93
	34 °C	21,4	53	23,3	61	25,1	68	26,6	75	28,1	80	29,4	85	30,7	89	31,9	93
	32 °C	20,1	53	21,8	61	23,5	68	25,0	75	26,4	80	27,6	85	28,9	89	29,9	93
	30 °C	18,7	53	20,4	61	21,9	68	23,3	75	24,6	80	25,8	85	26,9	89	28,1	93
	28 °C	17,3	54	18,8	62	20,2	69	21,6	75	22,8	80	24,0	85	25,1	89	26,1	93
	26 °C	15,9	54	17,4	62	18,6	69	19,9	75	21,0	80	22,2	85	23,2	89	24,2	93
	24 °C	14,5	55	15,8	63	17,0	69	18,2	75	19,3	80	20,3	85	21,3	89	22,3	93
	22 °C	13,1	55	14,3	63	15,4	69	16,5	75	17,6	80	18,5	85	19,5	89	20,3	93
	20 °C	11,7	56	12,8	63	13,8	70	14,8	75	15,8	80	16,7	85	17,6	89	18,4	93
		10%		20%		30%		40%		50%		60%		70%		80%	

Air conditions behind the pad

Air velocity 1.5 m/s, water volume surface 120 l (min·m²), at 12Pa

Water distribution in the pad frame system



Munters Plastic Gutter (MPG) with CoolPad system RCP 150

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