AEROTHERM

AIR AS AN EFFICIENT HEAT SOURCE FOR HEAT PUMPS AND GROUND LOOP REGENERATION

WätaS recoolers utilise the ambient heat from the outside air and transfer it to a pipe-and-glycol system. They thus serve as an additional heat source for the heat pump and enable the efficient use of available environmental energy.

Raising the glycol temperature can improve the heat pump's efficiency. At the same time, the recooler can be used to regenerate the ground loops, thereby creating an intelligent combined heat source system.



Technical data

Type		RKG 5	RKG 10	RKG 15	RKG 20	RKG 30	RKG 100
Dimensions*	cm	110 x 100 x 300	110 x 100 x 300	140 x 135 x 300	150 x 140 x 350	180 x 170 x 350	600 x 2100 x 400
Air flow rate	m³/h	4,000	8,000	10,000	13,000	13,000	15,000
Air inlet temp.	°C	5	5	5	5	5	5
Air outlet temp.	°C	1	1	1	0.4	0.1	2.8
Medium flow rate	m³/h	1.5	3.1	4.7	6.3	9.5	34
Glycol inlet temp.	°C	-2	-2	-2	-2	-2	-2
Glycol outlet temp.	°C	1	1	1	1	1	1
Heating capacity	kW	4.8	10	15	20	30	110
Glycol connection		3/4“	1“	1 1/4“	1 1/2“	1 1/2“	Flange

* Due to its design, the fan motor protrudes beyond the installation depth of the heat exchanger and is therefore located outside the heat exchanger. This dimension is added to the depth of the heat exchanger.

Areas of application

» Heat source for heat pump systems
» Regeneration of ground loops
» Combination of air and geothermal heat
» New builds and refurbishments
» Residential and commercial buildings
» Hybrid heat source systems

Your benefits

» Additional heat source for the heat pump
» Regeneration and relief for the ground loops
» Intelligent combination of various heat sources
» Increased overall efficiency of the heat pump system
» Customised designs and special sizes available

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