



# Possibilities of ClimateBooster & SolabCool

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IEA Task 53  
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Task 53 

# Heat-driven cooling

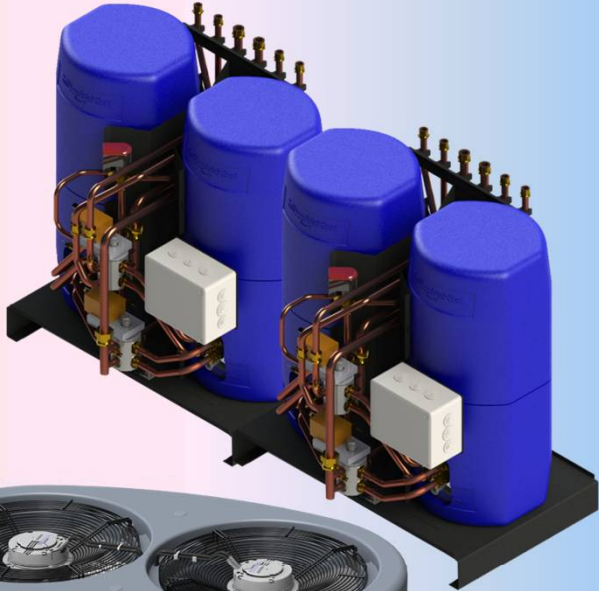
Zonne-energie



Warmtenet



Warmtekracht-koppeling



**SolabCool**  
The best comfort with pure energy

# market for space cooling



Lithium Bromide Absorption Chiller

The turnover of the global market for absorption chillers - or chillers - by 2020 is expected to **983 million** dollars. This turnover is favored by high environmental standards and the increasing demand for energy-efficient cooling systems (JARN 2016)

Airo marked (millions \$)					
	Europe	America	Asia / Pacific	Rest	Total
2014	2.122	1.666	937	695	5.420
2013	2.137	1.560	881	672	5.250
2012	2.092	1.514	826	637	5.069
2011	2.133	1.522	852	583	5.090
2010	1.732	1.355	677	579	4.343
2009	1.821	1.528	777	587	4.713
2008	2.074	1.605	886	412	4.977
2007	1.838	1.558	793	353	4.542



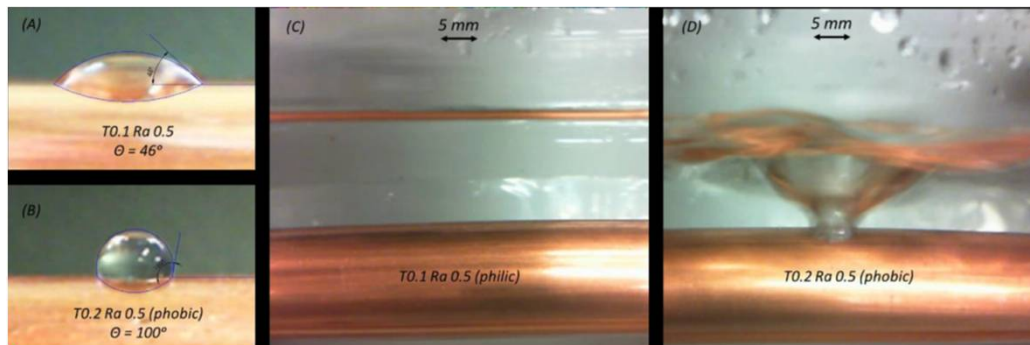
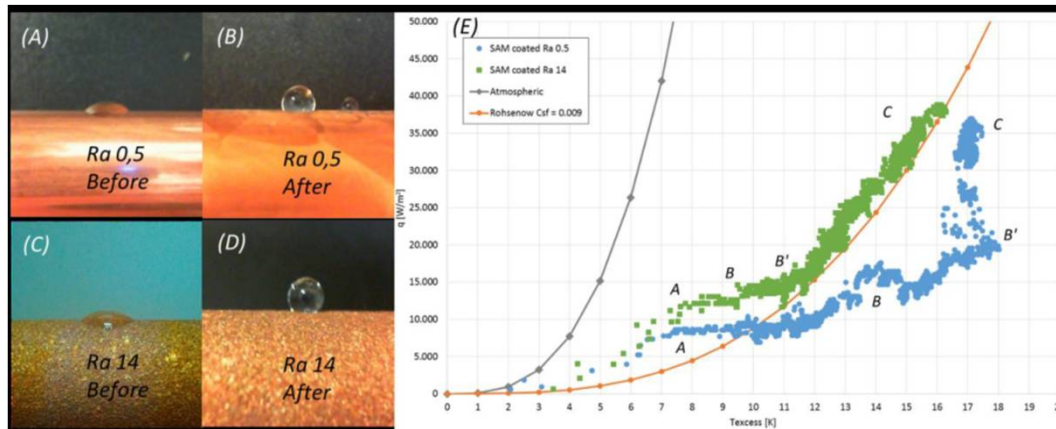
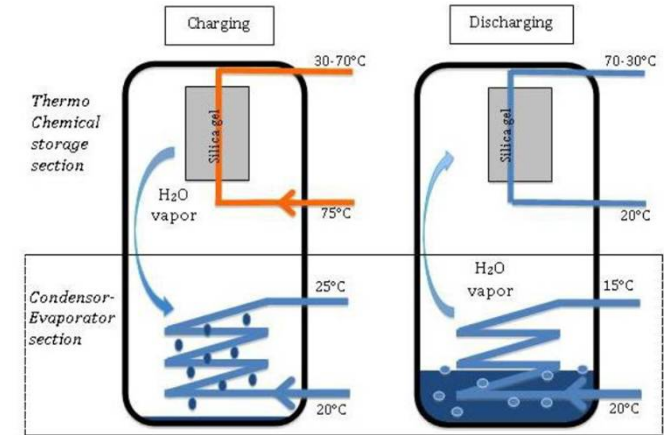
# Price / performance

**Price of compression watercooler in the marked**

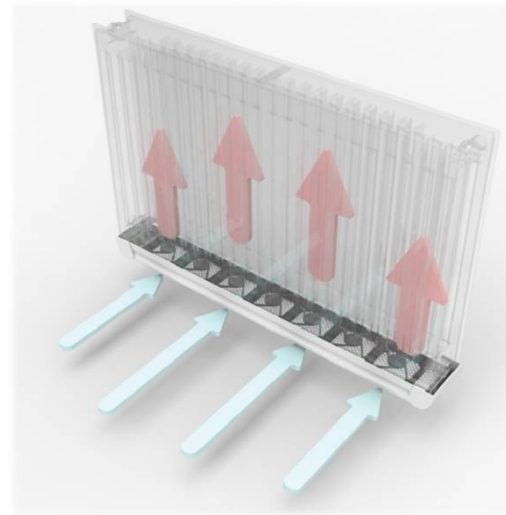
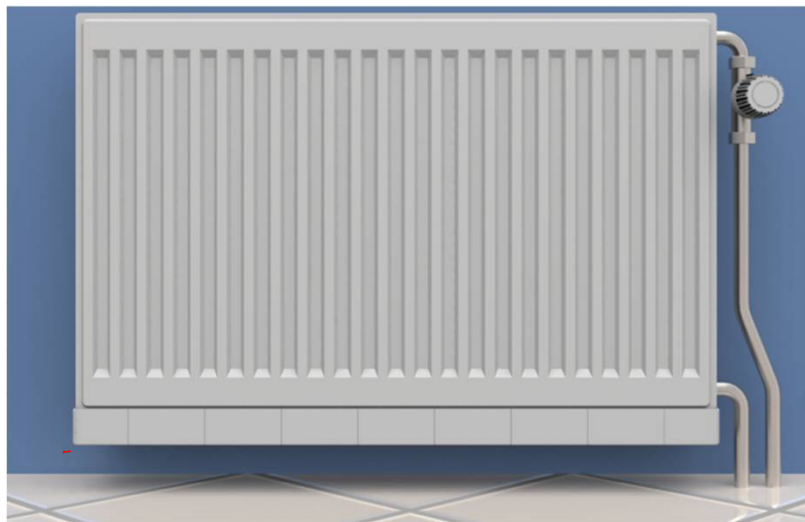
**€800,- /kW plus variable cost**

**Price of ad(ab)sorption and Solarthermal**

**€2000,-/kW plus solar no variable cost**

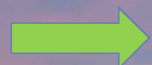


Price < € 1000 kW





Boostfactor  
50% ↔ 80%



↓ 15°C

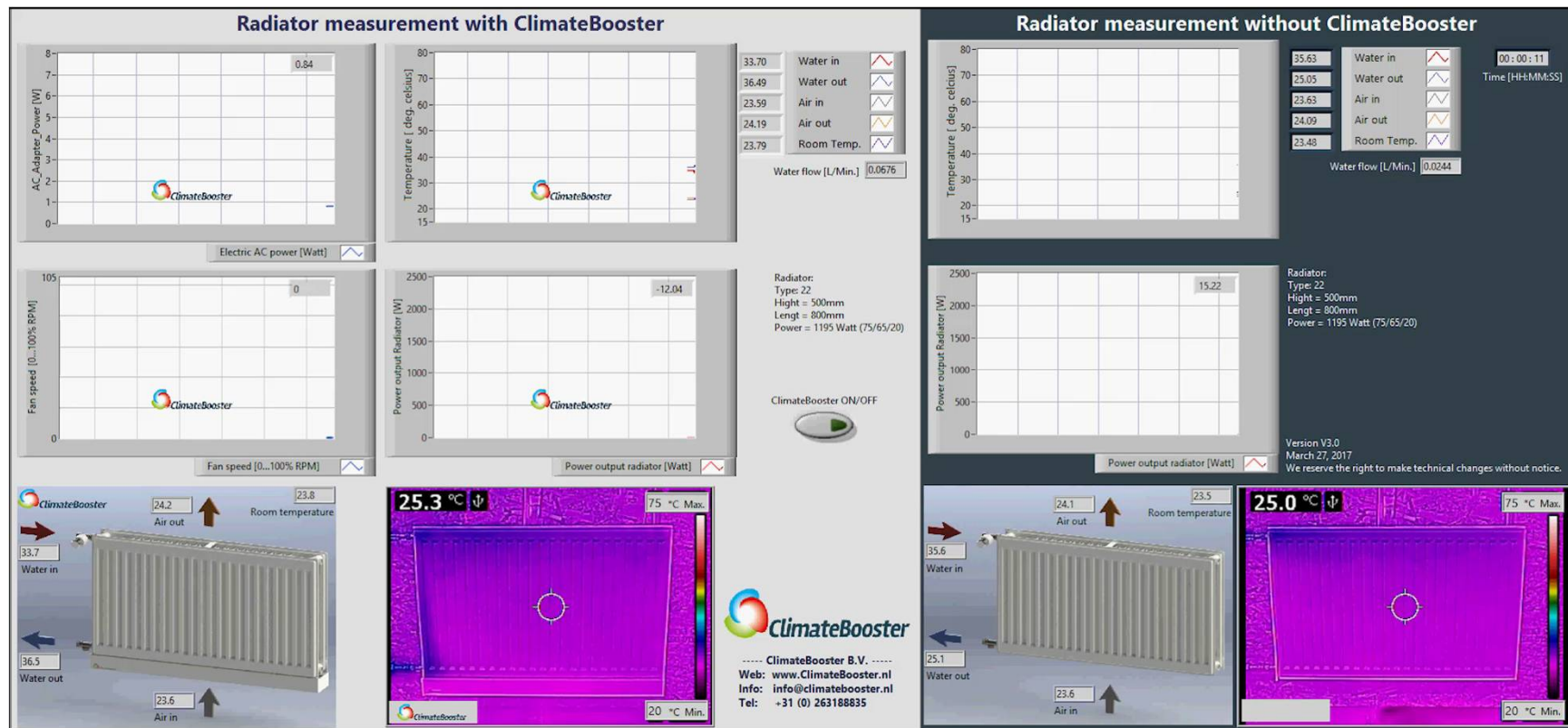


15%  
gas savings

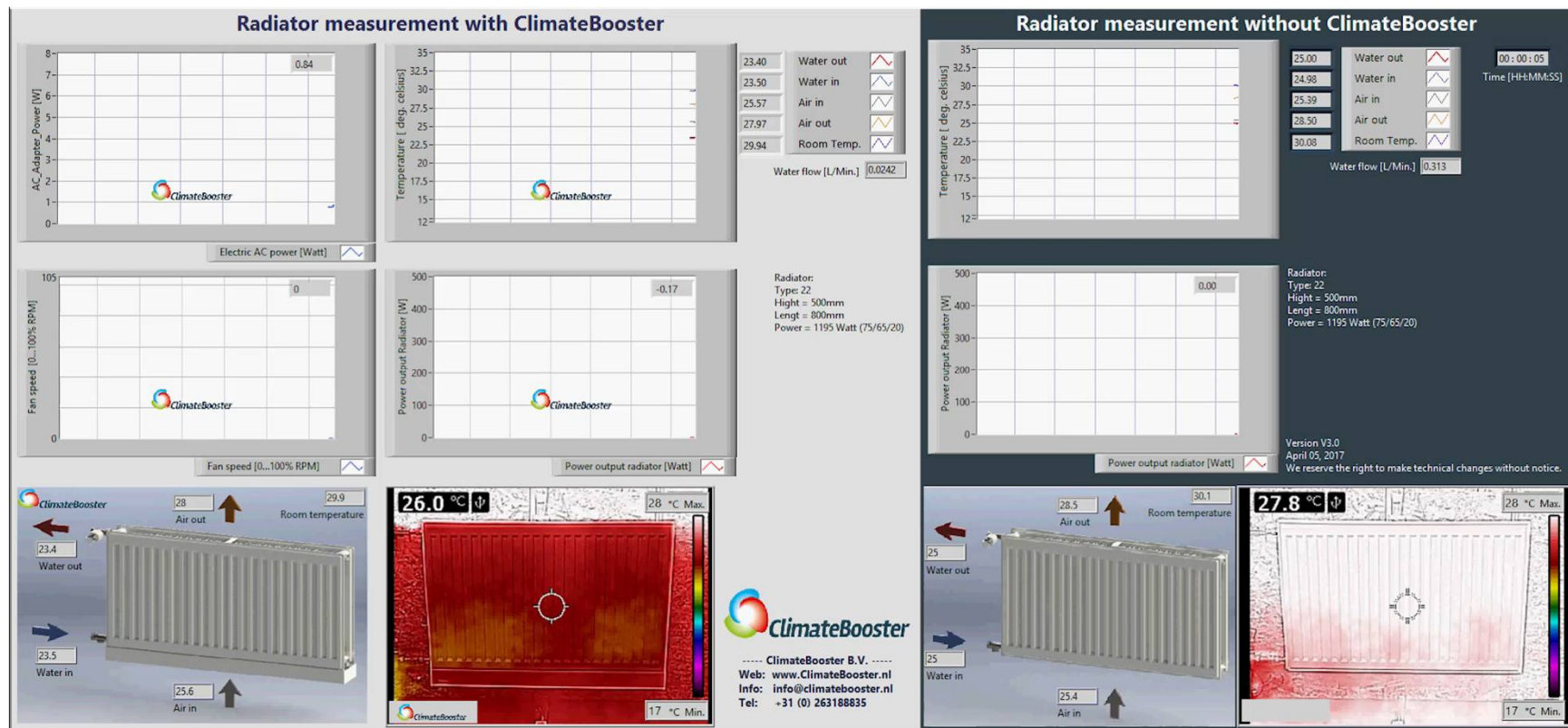


1 million ton CO<sub>2</sub>  
reduction





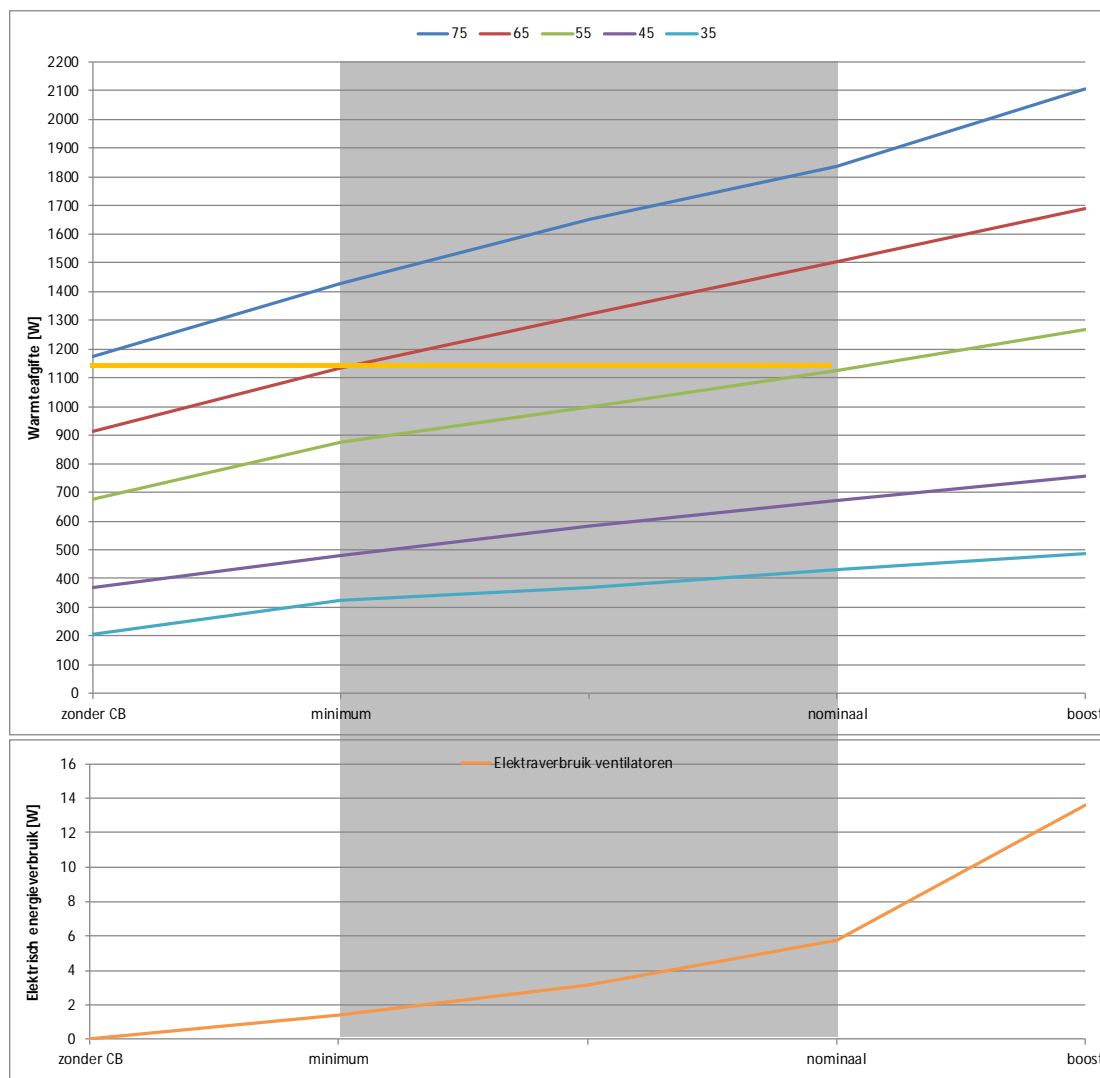




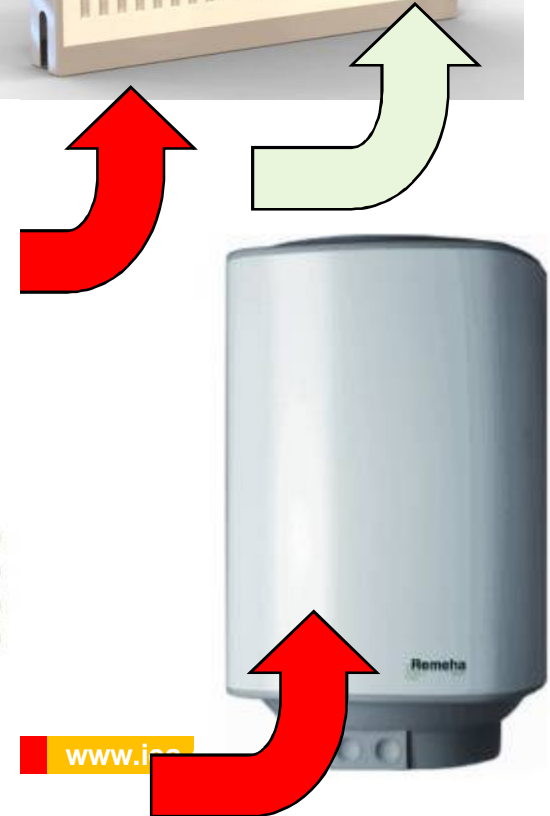
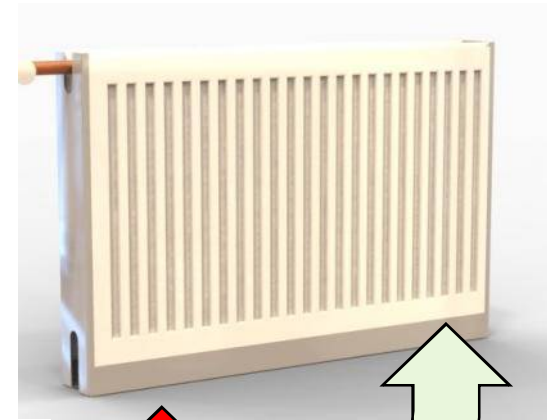
# Meetresultaten

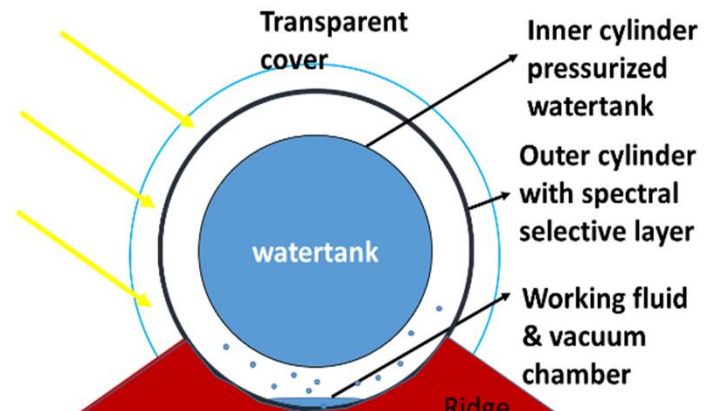
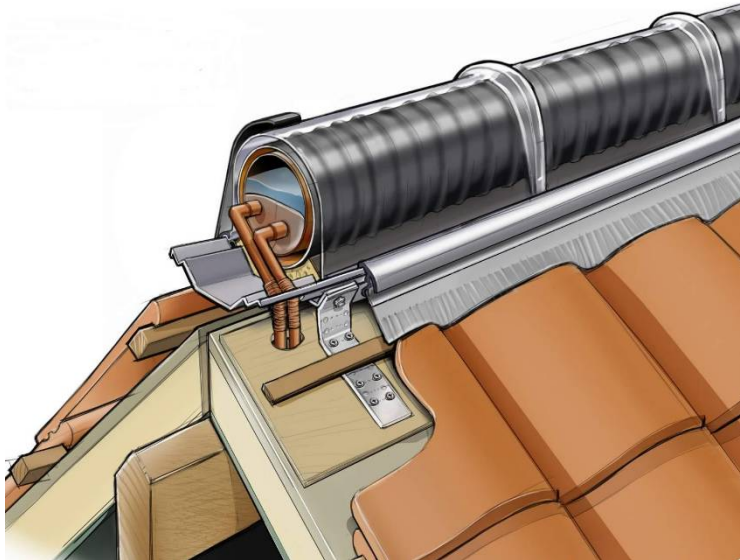


Prestaties ClimateBooster



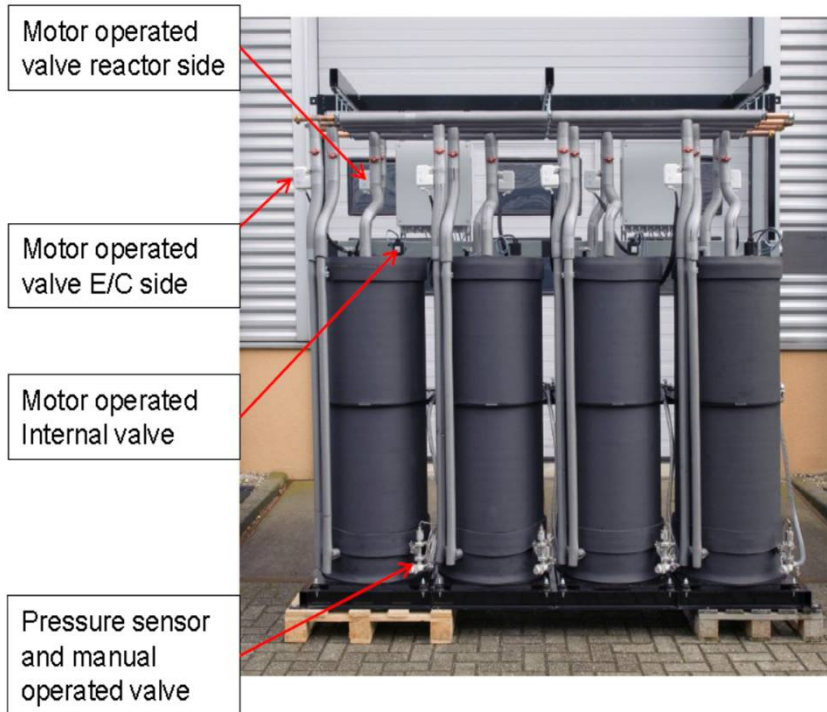
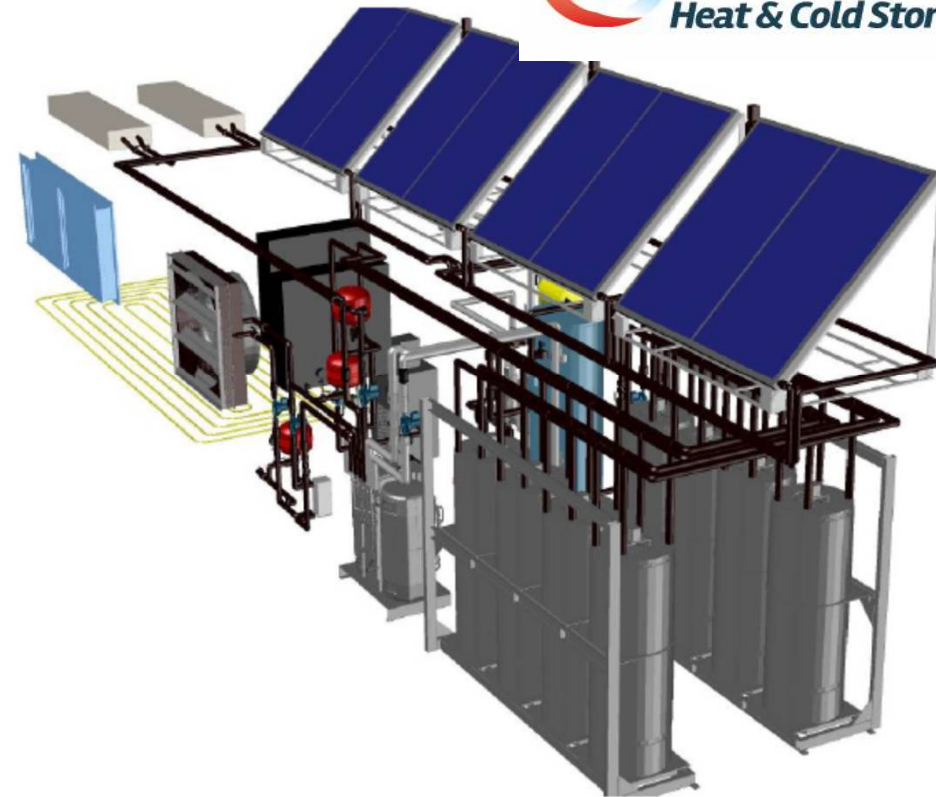
# Solar/Heat /Cold storage distribution system



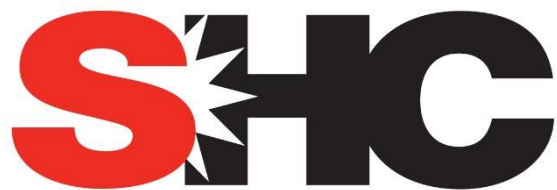


Ridge connection

[shc.org](http://shc.org)



[www.iea-shc.org](http://www.iea-shc.org)



SOLAR HEATING & COOLING PROGRAMME  
INTERNATIONAL ENERGY AGENCY

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