

System Overview

	COAX	SOLAR PUR	SOLUS COMFORT		SOLUS COMFORT PRO			
System volume ¹⁾	390	490	800	1000	560L	850L	1050L	2200L
Hot water requirements for people	2-6	2-6	2-7	2-7	2-7	2-8	2-10	2-10
Simultaneous use of showers or baths ²⁾	3S/2B	2S/1B	3S/1B	3S/1B	2S/1B	3S/2B	4S/2B	4S/2B
Required collector area Flat plate collectors in m ²	5-8	5-10,5	7-15,5	7-15,5	5-10,5	7-15,5	10-20	12-26
Required collector area Evacuated tube collectors in m ²	3-7,5	-	7-14	7-14	4,5-10	7-14	10-19	12-24
Especially high energy savings also in winter	■ ³⁾	■	■ ³⁾	■ ³⁾	■ ³⁾	■ ³⁾	■ ³⁾	■ ³⁾

Application possibilities:

Hot water provision	■	■	■	■	■	■	■	■
Solar support for space heating and hot water provision		■	■	■	■	■	■	■
Boiler buffering (e.g. for log fired stoves)			■	■	■	■	■	■

Heat sources besides solar:

Pellets, logs, oil, gas boilers with boiler buffering			■	■	■	■	■	■
Pellets, logs, oil, gas boilers without boiler buffering	■	■	■	■	■	■	■	■
Heat pumps					■	■	■	■
Electric immersion heaters	■	■ ⁴⁾	■	■	■	■	■	■

Solar heat-exchanger systems:

Patented high performance stainless steel stratified loader	■							
Patented high performance stratified loader ⁵⁾			■	■	■	■	■	■
Direct heating of the thermal store water		■						

Hot water provision systems:

Patented high performance continuous flow heater		■	■	■	■	■	■	■
with additional heat exchanger					■	■	■	■
Simple de-scaling methods ⁶⁾	■	■	■	■	■	■	■	■

Patented high performance insulation system:

Polypropylene foam with air cushion		■						
PS foam with aluminium foil and air cushion			■ ⁷⁾	■ ⁷⁾	■	■	■	■
ALU-LEEPS foam with air cushion	■							

1)) The high performance insulation and the exceptional heat exchanger technology enable direct comparison of Consolar thermal stores with others of much greater volumes

2)) Refers to one heat exchanger. Parallel connection, for example in multi-family houses, will provide for an increased number of simultaneous showers or baths

3)) in combination with TUBO evacuated tube collectors

4)) It is not possible to retro-fit with an immersion heater after installation; please order at the time of ordering the entire system

5)) Heated water saved to one of three zones via the inflow pipe

6)) De-scaling methods are limited in tank-in-tank thermal stores and thermal stores with steel shaft pipes for heating the mains water

7)) Without aluminium foil



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