

SONNENKRAFT®



PSC
Comfort
Plus tank

THE FUTURE OF ENERGY

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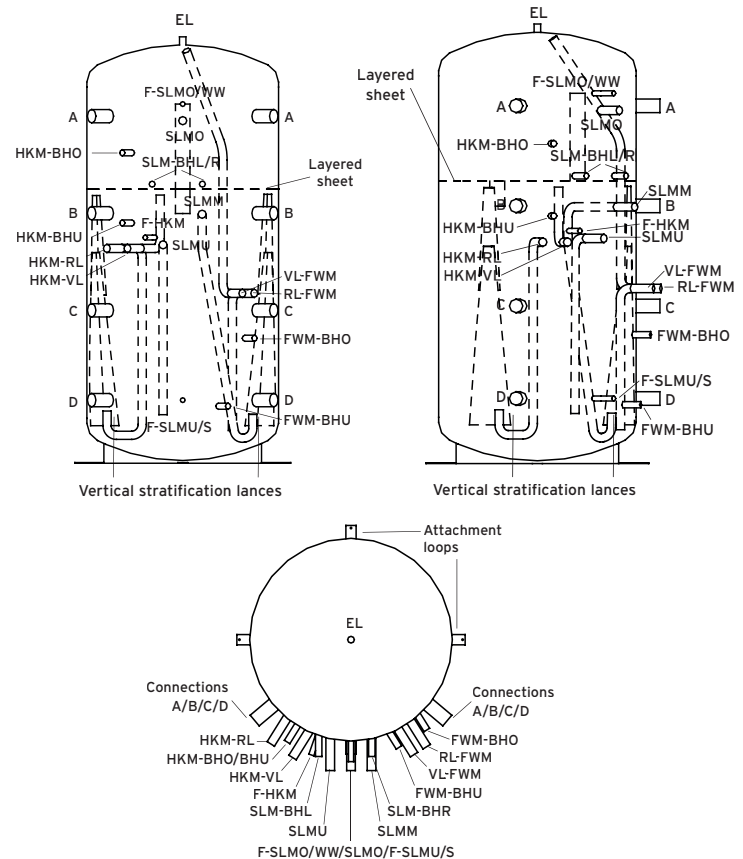
PSC Comfort Plus tank

The new Comfort plus PSC tank provides a complete plug and flow solar heating system on the PSC backup tank. Stratified charging module SLM50 feeds the solar heat to the PSC backup tank. Hot water is provided via a hygienic continuous flow through the FWM35 fresh water module, heating is provided via the HKM heating loop module with the SKSCHK1 heating controller. The Comfort plus solution by SONNENKRAFT - simple, compact and ready to plug and flow with improved performance.

PSC specifications

Item	Unit	Ø Connection	PSC800	PSC1000
Contents	l		121 413	121 414
Diameter, insulated	mm		960	960
Diameter, not insulated	mm		790	790
Height, insulated	mm		1810	2090
Height, not insulated	mm		1775	2058
Height when tipped, insulated	mm		1873	2145
Height when tipped, not insulated	mm		1850	2130
Weight	kg		100	120
Permissible heating pressure	bar		3	3
Permissible heating temp.	°C		95	95
Sleeve A (boiler flow for hot water or sleeve for electric heating), 2 x	mm	Rp 6/4 "	1430	1710
Sleeve B (heating flow, sleeve for electric heating or boiler flow heating), 2 x	mm	Rp 6/4 "	1030	1250
Sleeve C (heating return or sleeve for electric heating), 2 x	mm	Rp 6/4 "	630	745
Sleeve D (underfloor heating return), 2 x	mm	Rp 6/4 "	260	310
EL deaeration	mm	Rp 1/2 "	top	top
SLM50 stratified charging module connections				
SLMO forward flow "top"	mm	G 1 "	1412	1412
SLMM forward flow "middle"	mm	G 1 "	1026	1026
SLMU return "bottom"	mm	G 1 "	900	900
SLM sensor thermometer well "top"/hot water F-SLMO/WW	mm	Ø 15x200	1480	1710
SLM sensor thermometer well "bottom"/solar F-SLMU/S	mm	Ø 15x200	260	310
SLM attachment sleeve "left/right" SLM-BHL/R	mm	M10	1150	1150
FWM35 fresh water module connections				
VL-FWM forward flow	mm	G 1 "	700	700
RL-FWM return	mm	G 1 "	700	700
FWM-BHO attachment sleeve "top"	mm	M10	515	515
FWM-BHU attachment sleeve "bottom"	mm	M10	235	235
HKM heating loop module connections				
HKM-VL flow	mm	G 1 "	885	885
HKM-RL return	mm	G 1 "	885	885
HKM-BHO attachment sleeve "top"	mm	M8	1279	1279
HKM-BHU attachment sleeve "bottom"	mm	M8	990	990
F-HKM sensor thermometer well	mm	Ø 15x200	930	1100

PSC connection diagram



Features of PSC Comfort plus stratified tank

- Optimal temperature stratification both for charging and withdrawal thanks to:
 - Layered horizontal sheet as a mixing retardant
 - Integrated vertical stratification lances for stratified charging
- Single tank system results in minimum space requirement
- Simple installation thanks to removable fleece/melamine/EPS insulation with polystyrene jacket and optimal hydraulic and electrical plug and flow connection of:
 - SLM50 stratified charging module
 - FWM35 fresh water module
 - HKM heating loop module incl. SKSCHK1 heating controller (temperature-regulated mixer control)
- Powerful solar heating system by connection of SLM50 stratified charging module
- Hygienic water heating in continuous flow principle combined with FWM35 fresh water module
- Complete solar heating system with plug and flow connection HKM heating loop module incl. SKSCHK1 heating loop controller
- Optimal insulation of unused backup tank connections with PAA insulating cover