

Startup guide: 209

Service > settings > system settings

Integration	=	Sp. Tank
Mixing circ 1	=	No
Mixing circ 2	=	No
Mixing circ 3	=	No
2hg1 type	=	El. rod
2hg1 fct.	=	HW a SW
2hg2 type	=	No
2hg2 fct.	=	No
2hg3 type	=	No
2hg3 fct.	=	No
Service water 2	=	CP
Service water 3	=	with CP
Service water 5	=	wo. HSP
Pump opt.	=	Yes

Important extended information:

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Advice:

The red marked parameters concern the comfort board! They are only shown in the display if the comfort board is installed! Only items from the menu "system settings" of the heating and heat pump controller are listed here that are important for the hydraulic integration!

Legend hydraulic diagramm

- 1 Heat pump
- 2 Underfloor heating / radiators
- 3 Vibration isolation
- 4 Sylomer strip machine underlay
- 5 Closure and drainage
- 6 Expansion vessel packing list
- 7 Safety valve
- 8 Closure
- 9 Heating circulation pump
- 10 Non return valve/ one way valve
- 11 Individual room regulation
- 12 Overflow valve
- 13 Steamtight insulation
- 14 Service water circulation pump
- 15 Mixer circuit three-way mixer (MK1 discharge)
- 16 Expansion vessel supplied by customer
- 18 Heating rod (heating)
- 19 Mixer circuit four-way mixer (MK1 charge)
- 20 Heating rod (SW)
- 21 Mixer circuit circulation pump (FP1)
- 23 Feed circulating pump (reconnect the integrated circulating pump in the heat pump)
- 24 Manifuld
- 25 Heating circulation pump
- 26 Switching valve (heating/service water)(B = normally open)
- 27 Heating element
- 28 Brine circulation pump
- 29 Dirt-trap 0.6 mm mesh
- 30 Spill-tray für brine mix
- 31 Wall breakthrough
- 32 Inlet pipe
- 33 Brine manifuld
- 34 Ground collector
- 35 Ground slinkies
- 36 Groundwater spring pump
- 37 Wall bracket
- 38 Flow switch
- 39 Suction well
- 40 Inverted well
- 41 Rinse fitting heating circuit
- 42 Circulation pump
- 43 Brine / Water heat exchanger (cooling function)
- 44 Three-way mixer valve (cooling function MK1)
- 45 Cap valve
- 46 Filler and drainage valve
- 48 Domestic hot water charging pump
- 49 Direction of groundwater flow
- 50 Buffer storage
- 51 Seperation tank
- 52 Gas- or oil-boiler
- 53 Wood boiler
- 54 Hot water cylinder
- 55 Brine pressure switch
- 56 Swimming pool heat exchanger
- 57 Geothermal heat exchanger
- 58 Ventilation system
- 59 Plate heat exchanger
- 61 Cooling cylinder
- 65 Compact distributor
- 66 Fancoils
- 67 Solar/ service water cylinder
- 68 Solar/ service water cylinder
- 69 Multifunction tank
- 71 Dual hydraulic module
- 72 Buffer tank wall mounted
- 73 Pipe lead-in
- 74 Ventower
- 75 Scope of delivery, hydraulic tower, dual

Important notice !

These hydraulic diagrams are schematic representations and are for assistance only. They do not relieve of the obligation to carry out appropriate planning! They do not include all necessary shut-off valves, ventilator fittings or safety devices. These must be incorporated in accordance with the standards and regulations applicable to the respective installation. All country-specific standards, laws and regulations must be observed! The tubes have to be dimensioned according to the nominal volume flow of the heat pump resp. the free pressing of the integrated circulating pump. For detailed information and advice please contact our local sales partner!

- 101 Controls supplied by customer
- 102 Dew-point monitor (optional)
- 103 Room thermostat for reference space in packing list
- 104 Supply heat pump
- 105 Cooling circuit module box removeable for installation

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- 106 Specific glycole mixture
- 107 Scald protection / thermostatic mixer valve
- 108 Solar pump assembly
- 109 Overflow valve must be closed
- 110 Packing list hydraulic tower
- 111 Mounting for additional heating element
- TA/A External sensor
- TBW/B Domestic hot water sensor
- TB1/C Feedwater sensor mixer circuits 1
- D Floor tmperature limiter
- TRL/G Sensor external return
- STA Line pressure regulator valve
- TRL/H Sensor return (hydraulic module, dual)

Comfort board:

TSK/E

120

121

T1

T8

Т9

T10

Energy manager:

- 15 Mixer circuit three-way mixer (MK2-3 discharge)
- 17 Temperature difference regulator
- 19 Mixer circuit four-way mixer (MK2 charge)
- 21 Mixer circuit circulation pump (FP2-3)
- 22 Swimming pool circulating pump

TB2-3/C Feedwater sensor mixer circuits 2-3

Scope of delivery, energy manager

Collector probe, energy manager

Optional accessory energy manager

Storage tank probe, energy manager

TEE/F Sensor external energy source

- 44 Three-way mixer valve (cooling function MK2)
- 47 Changeover valve swimming bath preparation(B = normally open)
- 60 Changeover valve cooling operation(B = normally open)

TSS/E Sensor, temperature difference control (low temperature)

Sensor, temperature difference control (high temperature)

Flow sensor brine heat quantity recording energy manager

Return sensor brine heat quantity recording energy manager

- 62 Heat meter (optional)
- 63 Changeover valve solar circuit(B = normally open)
- 64 Cooling circulation pump70 Solar seperation module