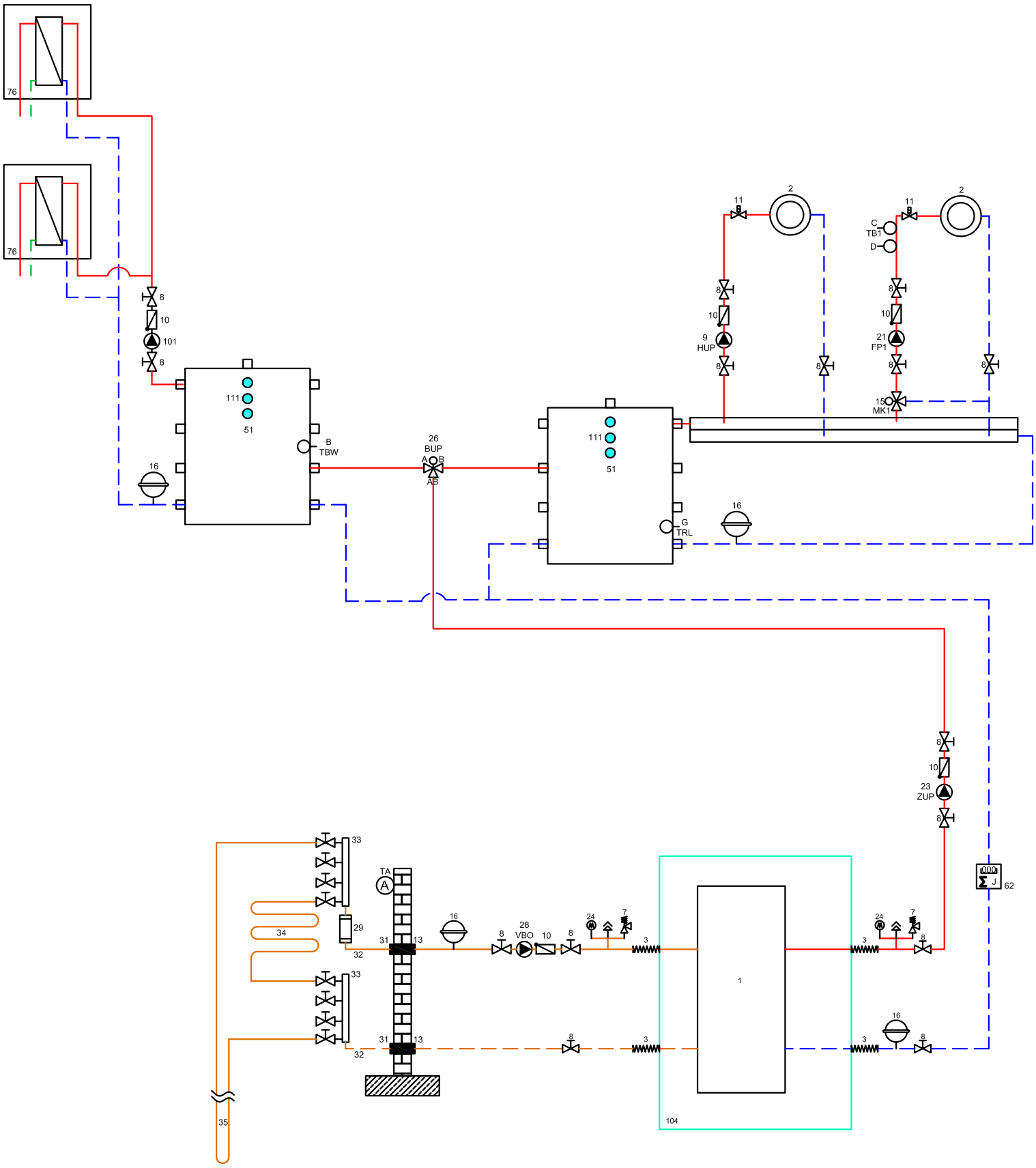

Hydraulik:	833702	IBN-Code:	214

Startup guide: 214

Service > settings > system settings

Integration	=	Sep. tank
Mixing circ 1	=	Discharge
Mixing circ 2	=	No
Mixing circ 3	=	No
2hg1 type	=	No
2hg1 fct.	=	No
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:

-
-
-
-
-
-
-
-

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
76 Fresh water station
77 Scope of supply water/water booster
78 Accessories water/water booster optional

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
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
112 Minimum distance to thermal decoupling of the mixing valve
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:

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
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)
62 Heat meter (optional)
63 Changeover valve solar circuit(B = normally open)
64 Cooling circulation pump
70 Solar seperation module
TB2-3/C Feedwater sensor mixer circuits 2-3
TSS/E Sensor, temperature difference control (low temperature)
TSK/E Sensor, temperature difference control (high temperature)
TEE/F Sensor external energy source

Energy manager:

120 Scope of delivery, energy manager
121 Optional accessory energy manager
T1 Collector probe, energy manager
T8 Storage tank probe, energy manager
T9 Flow sensor brine heat quantity recording energy manager
T10 Return sensor brine heat quantity recording energy manager

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!