



Standard connection layout with heat pump and drain-back solar. (Shown in the version with just room heating function)

Short name	Meaning
1	: Cold water distribution network
2	: Hot water distribution network
3	: Heating inflow
4	: Heating return flow
5	: Mixer circuit
6	: Circulation
7	: Check valve, return valve
7a	: Non return valve
8	: Solar circuit
9	: Gas pipe (Refrigerant)
10	: Fluid pipe (Refrigerant)
3UV1	: 3-way switch valve (DHW)
3UV2	: 3-way switch valve (cooling)
3UV3	: 3-way switch valve (heating support)
	: Not available
	: Hot water storage tank EKHWP500B
BOH	: Booster heater
BSK	: Burner blocking contact in RPS3
BV	: Overflow valve
C	: Refrigerant compressor

Short name	Meaning
CW	: Cold water
DHW	: Domestic hot water
E	: Expansion valve
EP3	: Hot water module E-PAC (heating/cooling)
FLG	: FlowGuard - solar regulating valve with flow indicator
FLS	: FlowSensor - solar flow and flow temperature measurement
H ₁ , H ₂ ... H _m	: Heating circuits
HYW	: Low loss header
MAG	: Diaphragm expansion vessel
MIX	: 3-way mixer with drive motor
MK1	: Mixer group with high-efficiency pump
MK2	: Mixer group with high-efficiency pump (PWM controlled)
P ₁	: Central heating pump
P _{HP}	: Heating circulation pump
P _{Mi}	: Mixing circuit pump
P _{S1}	: Solar operating pump
P _{S2}	: Solar pressure increasing pump
P _Z	: Circulation pump
PWT	: Panel heat exchanger (condenser)