

Outline principle

F1145/F1155 together with VPAS and water jacketed wood/pellet stove or kitchen oven (floating condensing).

Application

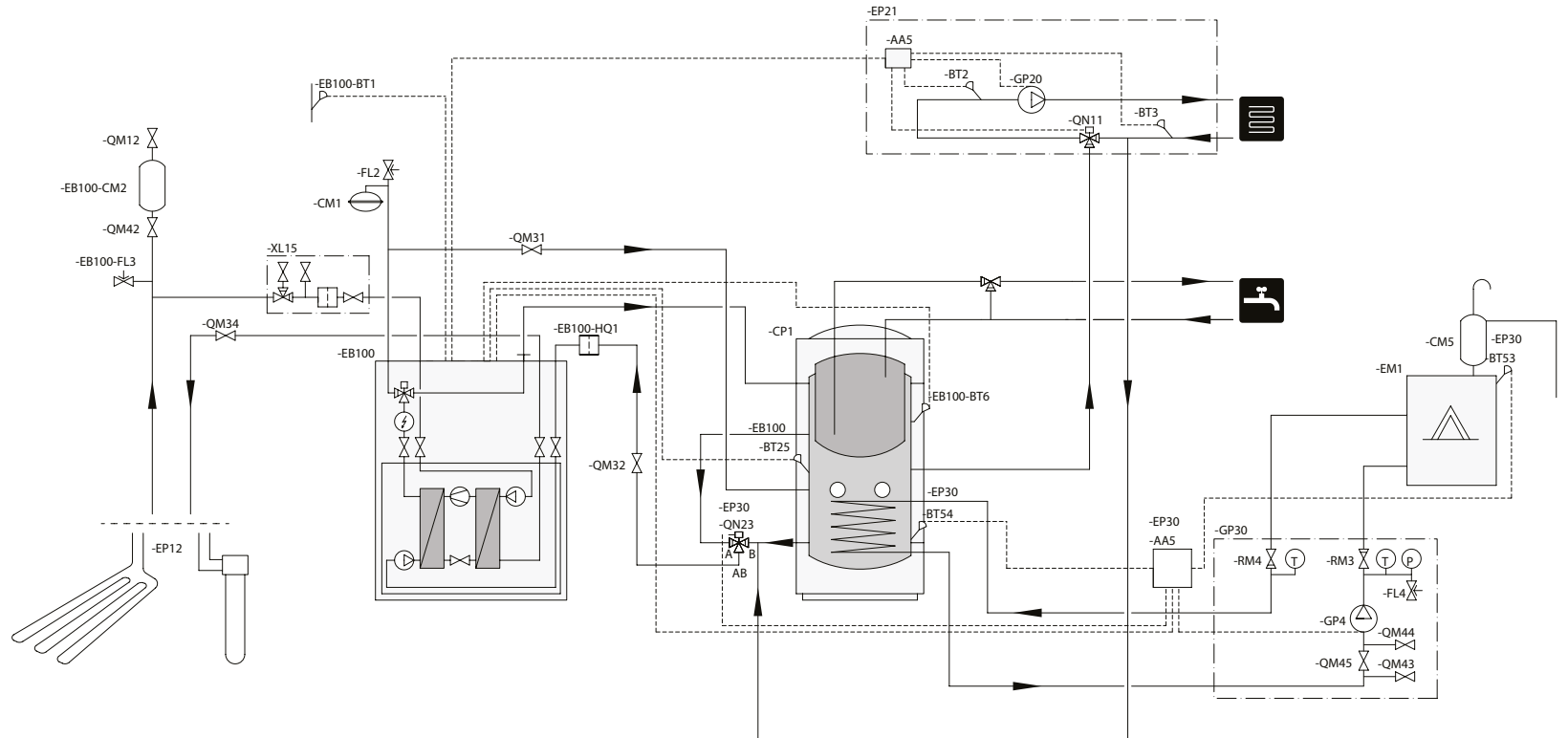
Houses with water-borne heating systems.

Function

F1145/F1155 works with fixed condensing to the hot water section (upper) and with floating condensing against the heating section (lower) in VPAS.

Additional heat can be connected via the coil in the lower section of VPAS, which is not regulated from the heat pump (e.g. solar panel installation, wood-fired boiler).

Two immersion heaters can be connected to VPAS as further additional heat, however, these cannot be regulated from the heat pump.



NOTE! This docking type requires a program software version in heat pumps that is 901 or higher.

NOTE! This is an outline diagram. Actual installation must be designed according to applicable norms.

NOTE! NIBE does not supply all components in this outline diagram.

See the appropriate "Installer manual" for more information.

Designations according to standard IEC 81346-1 and 81346-2.

List of Components F1145/F1155 together with VPAS and water jacketed wood/pellet stove or kitchen oven (floating condensing).

Pos	Name	Product name	Supplier	Art no.	Remarks
EB100	Heat pump	F1145/F1155	NIBE		
BT1	Outdoor temperature sensor		NIBE		Included in F1145/F1155
BT6	Hot water temperature sensor		NIBE		Included in F1145/F1155
BT25	External supply temperature sensor		NIBE		Included in F1145/F1155
CM2	Level vessel		NIBE		Included in F1145/F1155
FL3	Safety valve, brine		NIBE		Included in F1145/F1155
HQ1	Particle filter		NIBE		Included in F1145/F1155
EP21	Climate system 2	ECS 40/ECS 41	NIBE	067 287/067 288	ECS 40 Max 80 m ² . ECS 41 approx. 80-250 m ² .
AA5	Accessory card		NIBE		Included in ECS 40/ECS 41
BT2	Supply temperature sensor 2		NIBE		Included in ECS 40/ECS 41
BT3	Return temperature sensor 2		NIBE		Included in ECS 40/ECS 41
GP20	Circulation pump		NIBE		Included in ECS 40/ECS 41
QN11	Shunt valve		NIBE		Included in ECS 40/ECS 41
EP30	Solar package	SOLAR 40	NIBE	067 084	
AA5	Accessory card		NIBE		Included in SOLAR 40
BT53	Temperature sensor, Solar panel		NIBE		Positioned in wood/pellet stove or kitchen stove. Included in SOLAR 40.
BT54	Temperature sensor, solar coil		NIBE		Included in SOLAR 40
QN23	Reversing valve		NIBE		Included in SOLAR 40
GP30	Pump station		NIBE		
FL4	Safety valve, solar				
GP4	Circulation pump, solar				
RM3, RM4	Non-return valve				
QM43 -	Shut-off valve				
QM45					
Other information					
CM1, CM5	Expansion vessel				
CP1	Accumulator tank	VPAS 300/450	NIBE	087 720	
EM1	Water jacketed wood/pellet stove or kitchen stove				
EP12	Ground-source heating/horizontal ground collector				
FL2	Safety valve, heating medium				
QM12	Filler valve, brine				
QM31	Shut-off valve, heating medium supply				
QM32	Shut off valve, heating medium return				
QM34	Shut off valve, brine return				
QM42	Shut-off valve				
XL15	Filling set, brine	HTF R25/G32	NIBE	089 368/089 971	Brine R25 (max 12kW) Brine G32 (max30kW)