



WATERSTAGETM

OPTIONAL PARTS

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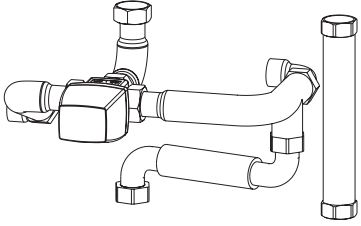
OPTIONAL PARTS

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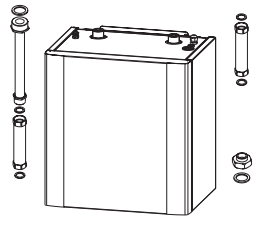
1. OPTIONAL PARTS LIST

1-1. LIST

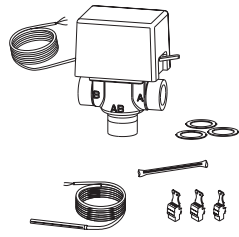
Boiler connection kit Model: UTW-KBSXA



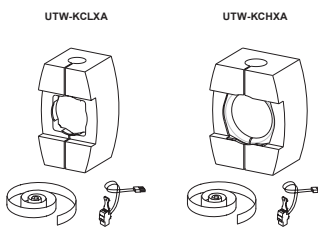
2nd circuit kit Model: UTW-KZSXA



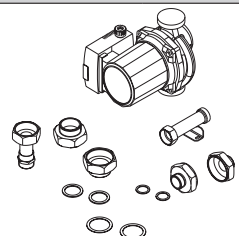
DHW kit Model: UTW-KDWXA



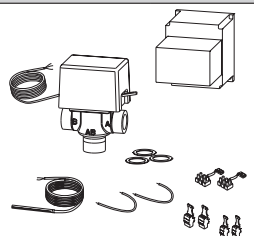
Cooling kit Model: UTW-KCLXA, UTW-KCHXA




High flow rate circulating pump kit Model: UTW-PHFXA




Swimming pool kit Model: UTW-KSPXA



Heat exchanger for Swimming pool Model: UTW-ESPXA





Room thermostat Model: UTW-C55XA



Remote control Model: UTW-C75XA



DHW Tank Model: UTW-T20XA, UTW-T30XA

200L model  300L model 

OPTIONAL PARTS

OPTIONAL PARTS

Balancing vessel

Model: UTW-TEVXA



External connect kit

Model: UTY-XWZXZ2

INPUT
OUTPUT



for
OUTDOOR UNIT

1-2. CONNECTION LIST

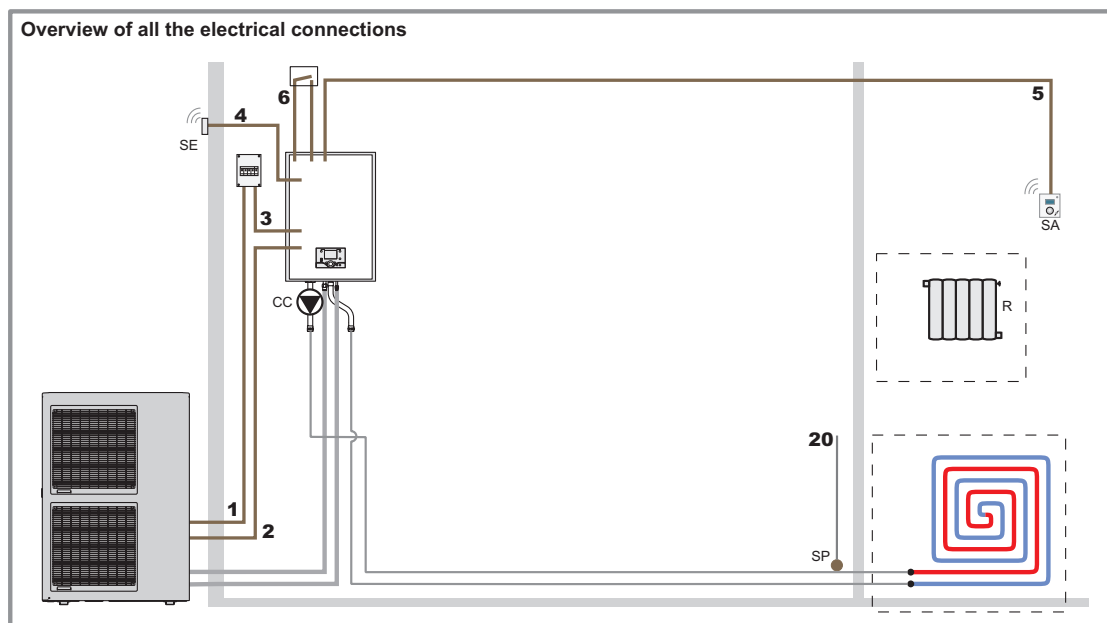
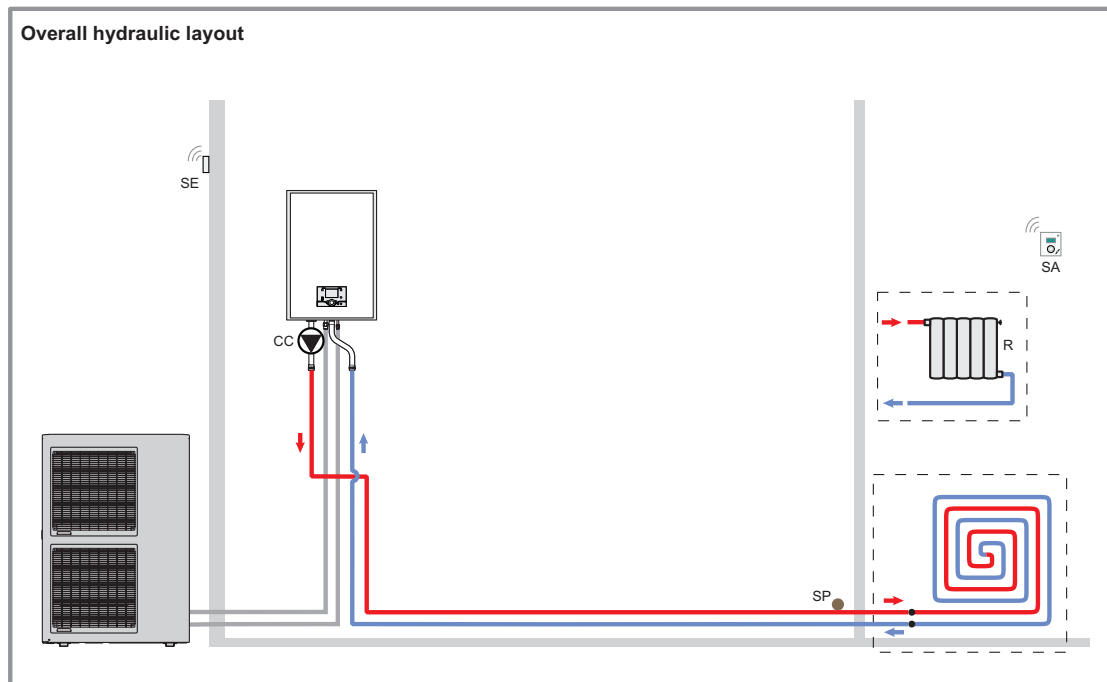
●: Available, —: Not available, ○: Standard equipment

Optional parts		Split series				Monobloc series
Names	Model	Single phase type			3 phase type	Single phase type
		60 model	100 model	140 model	112 model	80 model
		80 model		160 model	140 model	100 model
				160 model		
Boiler connection kit	UTW-KBSXA	●	●	●	●	●
2nd circuit kit	UTW-KZSXA	●	●	●	●	—
DHW kit	UTW-KDWXA	●	●	●	●	●
Cooling kit	UTW-KCLXA UTW-KCHXA	●	●	●	●	○
High flow rate circulating pump kit	UTW-PHFXA	—	—	●	●	—
Swimming pool kit	UTW-KSPXA	●	●	●	●	●
Heat exchanger for Swimming pool	UTW-ESPXA	●	●	●	●	●
Room thermostat	UTW-C55XA	●	●	●	●	●
Remote control	UTW-C75XA	●	●	●	●	●
DHW Tank	UTW-T20XA UTW-T30XA	●	●	●	●	●
Balancing vessel	UTW-TEVXA	●	●	●	●	●
External connect kit	UTW-XWZXZ2	—	—	—	●	—

2. CONNECTION CONFIGURATION EXAMPLE

2-1. 1-HEATING CIRCUIT

■ SPLIT SERIES



Legend

CC - Heating circulation pump

R - Radiators (or fan convectors)

1 - Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)

2 - Inter-connection between the outdoor unit and the indoor unit.

3 - Power supply to the electrical back-ups: Connect the electrical supply for the back-ups to the electrical panel.

4 - Outdoor sensor.

5 - Room thermostat and/or remote controller.

6 - Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.

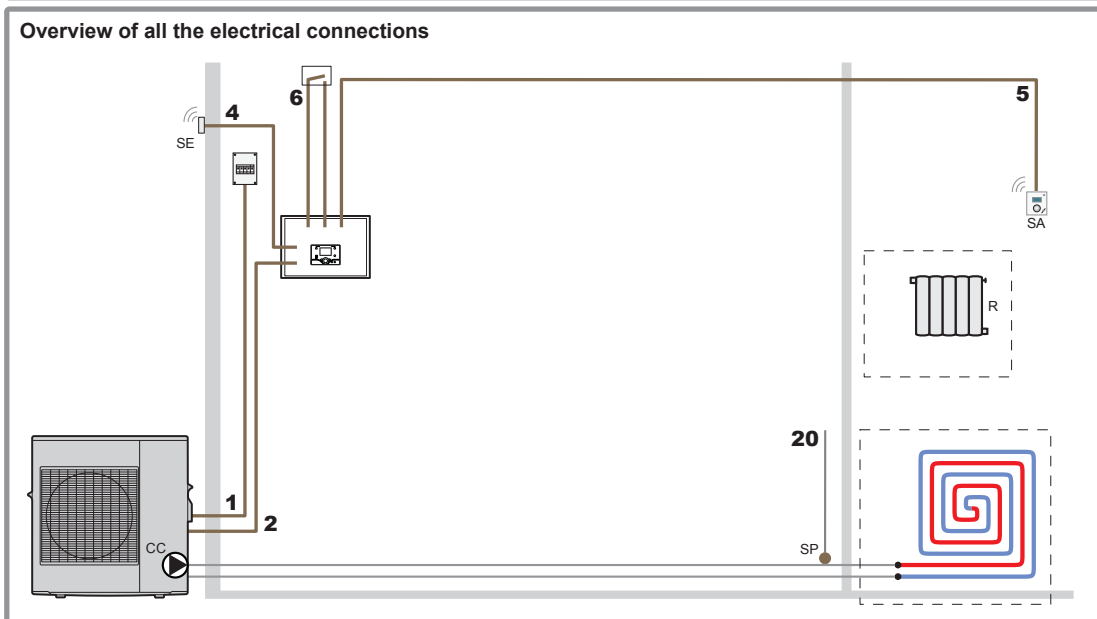
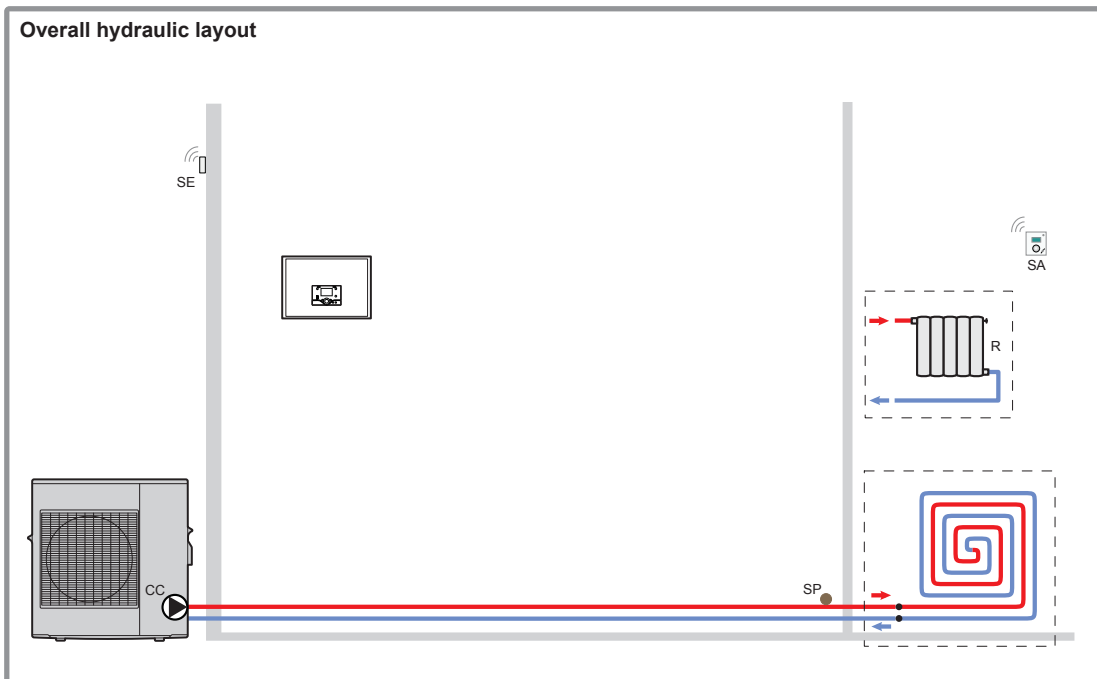
20 - The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

SA - Room thermostat (option)

SE - Outdoor sensor

SP - Heated floor thermal safety fuse

MONOBLOC SERIES



Legend

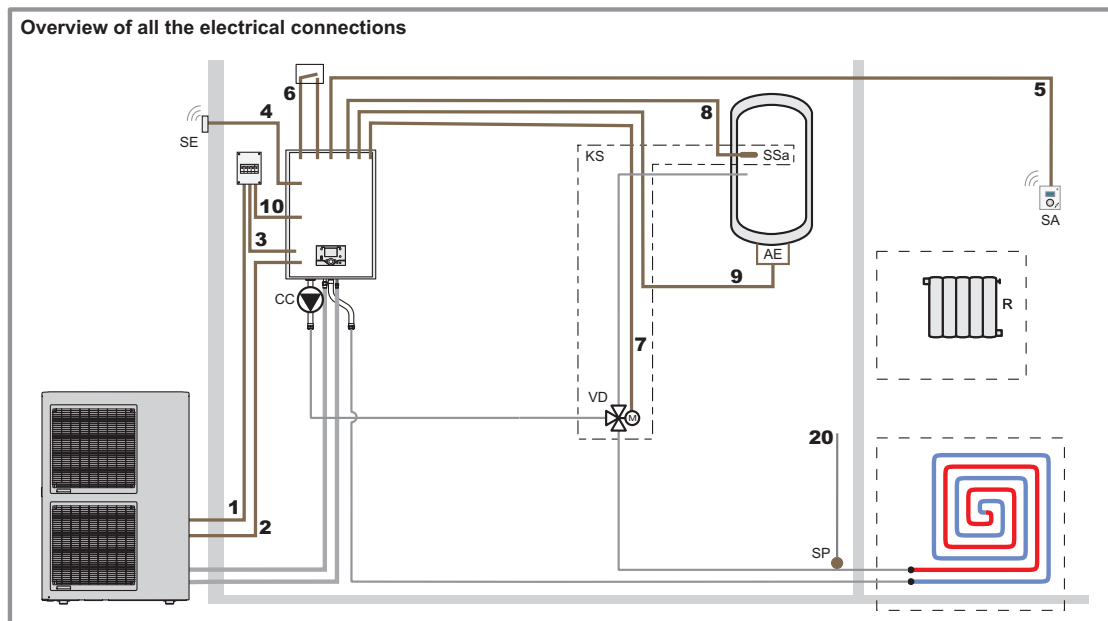
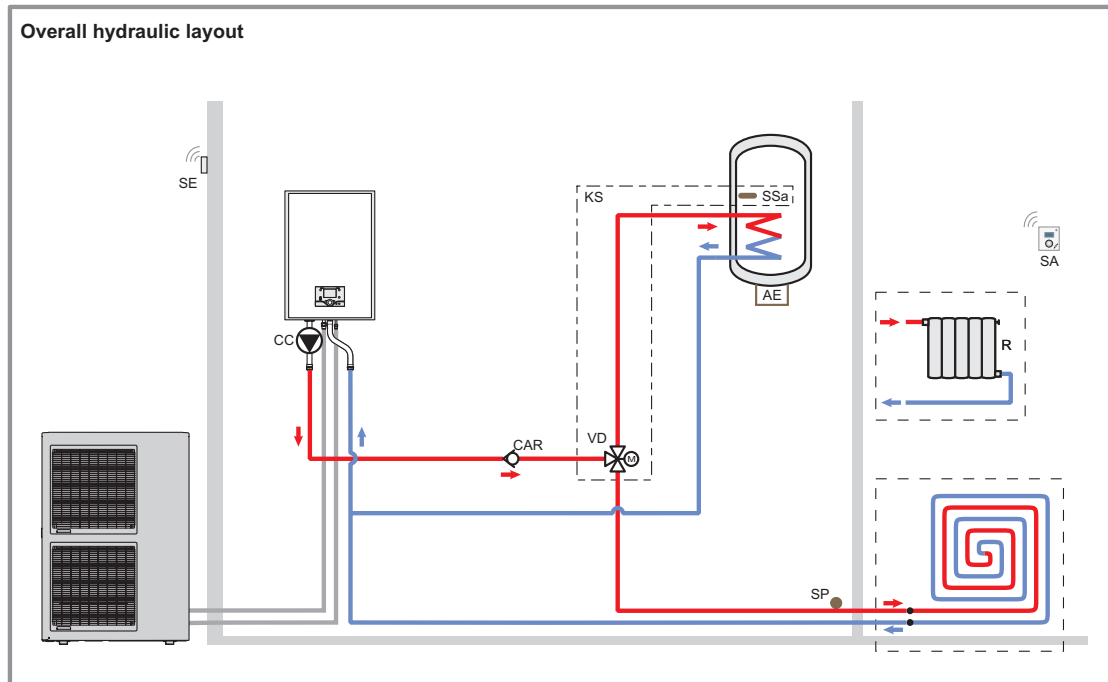
- | | | |
|---|--------------------------------------|--|
| CC - Heating circulation pump | SA - Room thermostat (option) | SP - Heated floor thermal safety fuse |
| R - Radiators (or fan convectors) | SE - Outdoor sensor | |
| 1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side) | | |
| 2- Inter-connection between the outdoor unit and the indoor unit. | | |
| 4- Outdoor sensor. | | |
| 5- Room thermostat and/or remote controller. | | |
| 6- Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel. | | |
| 20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high. | | |

OPTIONAL PARTS

OPTIONAL PARTS

2-2. 1-HEATING CIRCUIT AND DHW TANK

■ SPLIT SERIES



Legend

CAR - Non-return valve
AE - Electric back-up
CC - Heating circulation pump
KS - DHW kit

R - Radiators (or fan convectors)
SA - Room thermostat (option)
SE - Outdoor sensor
SP - Heated floor thermal safety fuse

SSa - DHW sensor
VD - Distribution valve

1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)

2- Inter-connection between the outdoor unit and the indoor unit.

3- Power supply to the electrical back-ups: Connect the electrical supply for the back-ups to the electrical panel.

4- Outdoor sensor.

5- Room thermostat and/or remote controller.

6- Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.

7- Connect the directional valve to the heat pump's control panel.

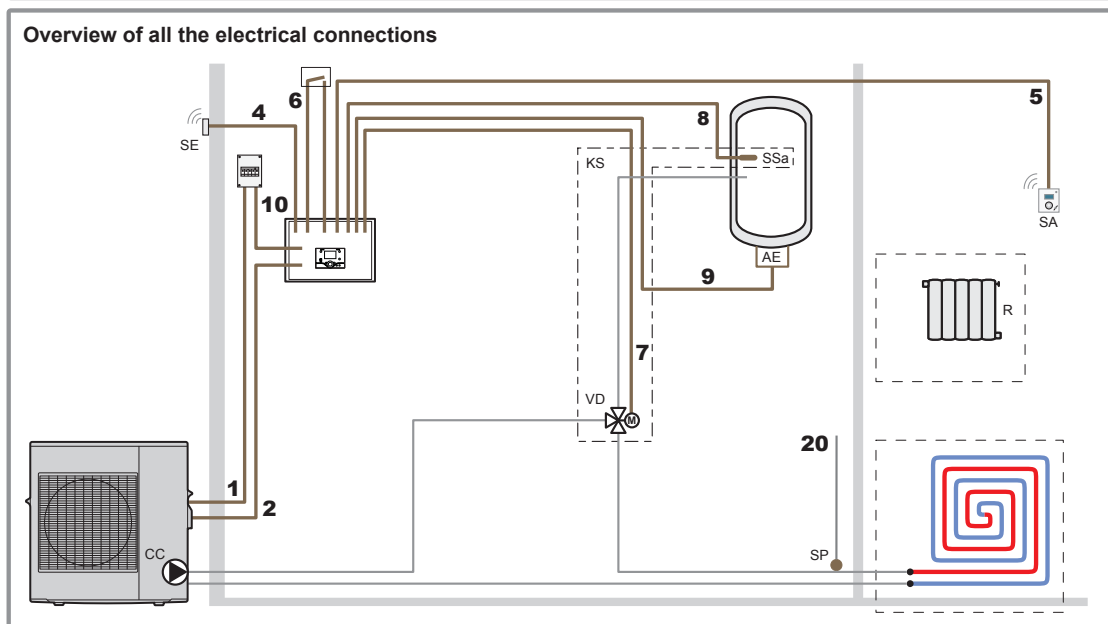
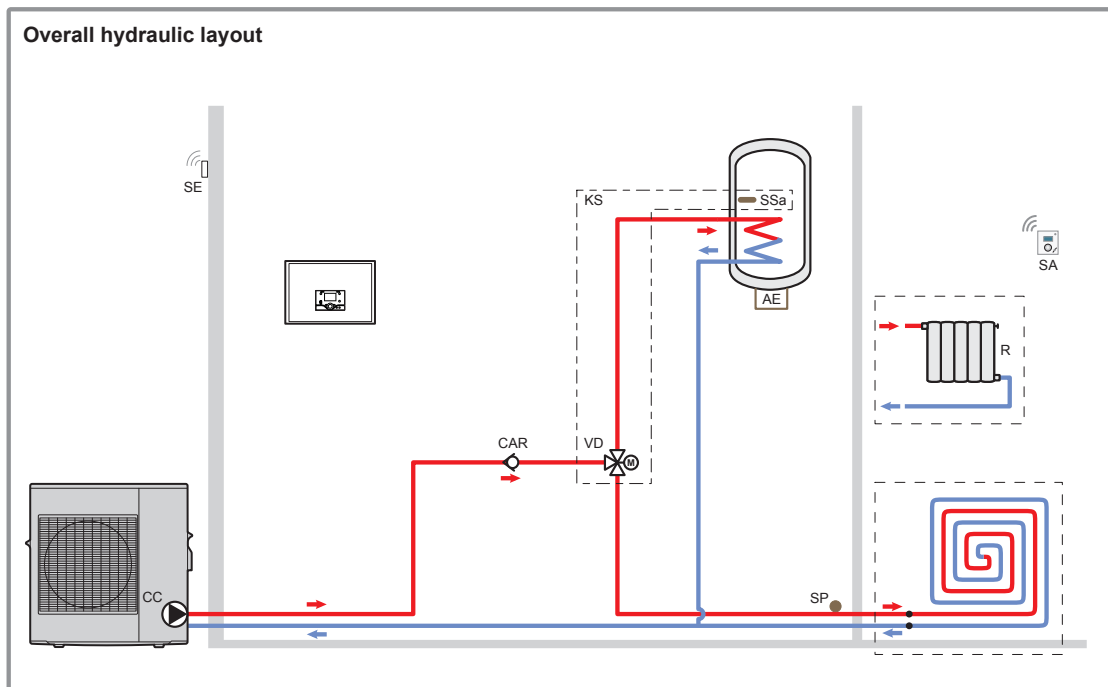
8- Connect the domestic water sensor to the heat pump's control panel.

9- Connect the back-up resistance to the electric panel.

10- Connect the electrical power supply for the domestic water back-up to the electrical panel.

20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

MONOBLOC SERIES



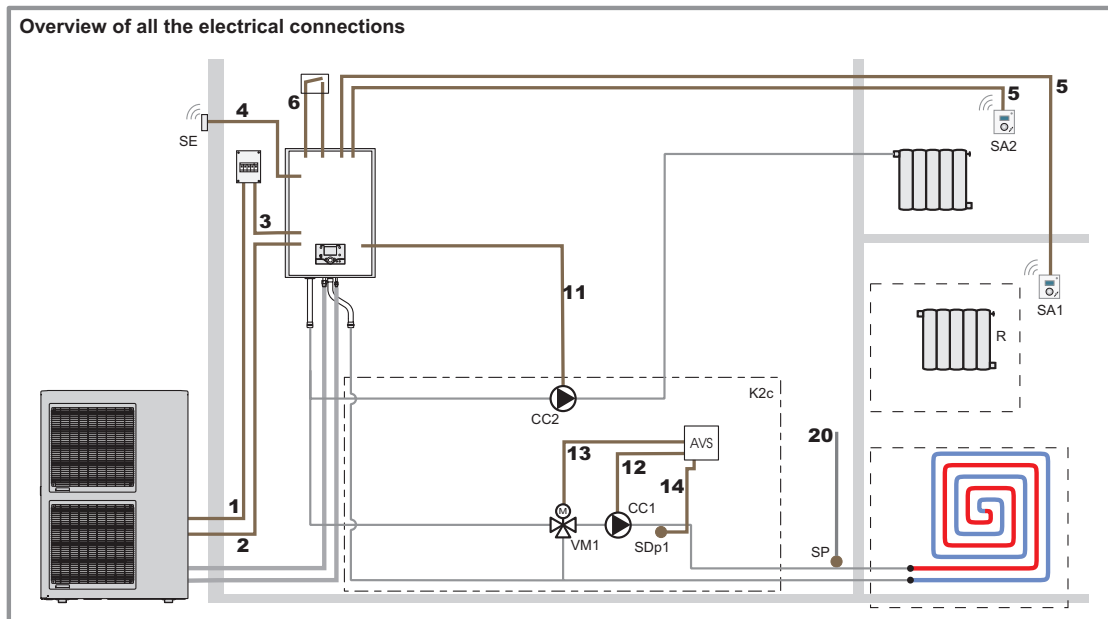
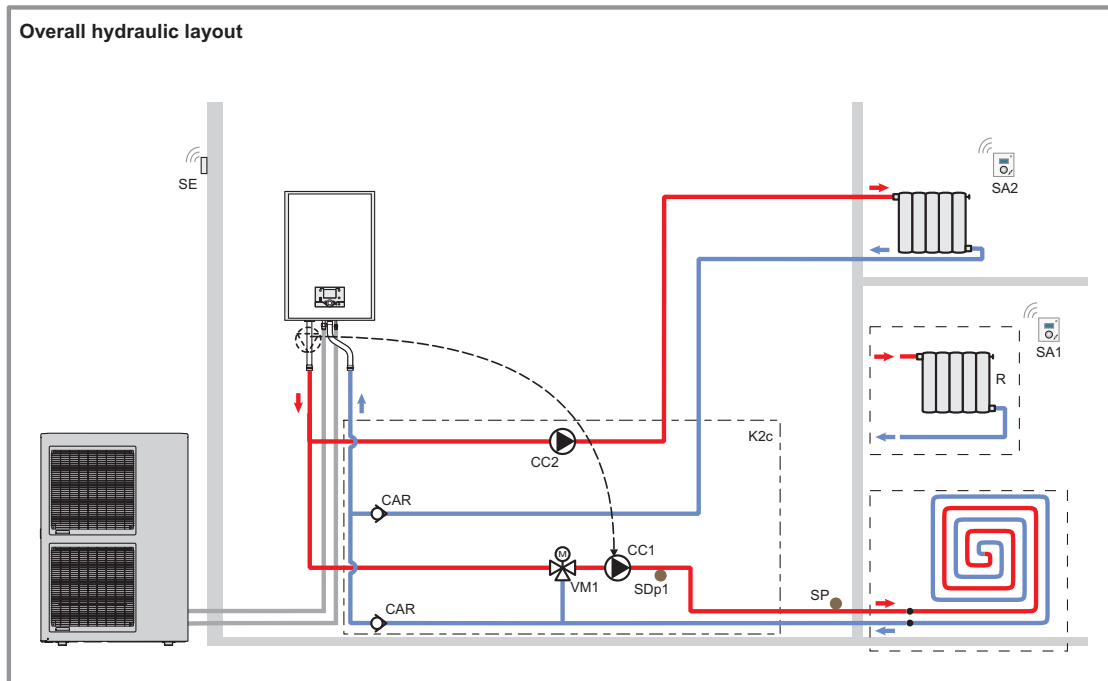
- Legend**
- | | | |
|--------------------------------------|--|--------------------------------|
| CAR - Non-return valve | R - Radiators (or fan convectors) | SSa - DHW sensor |
| AE - Electric back-up | SA - Room thermostat (option) | VD - Distribution valve |
| CC - Heating circulation pump | SE - Outdoor sensor | |
| KS - DHW kit | SP - Heated floor thermal safety fuse | |
- 1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)
 - 2- Inter-connection between the outdoor unit and the indoor unit.
 - 4- Outdoor sensor.
 - 5- Room thermostat and/or remote controller.
 - 6- Contract with the power provider: Connect the "Power Provider" contact to the heat pump's control panel.
 - 7- Connect the directional valve to the heat pump's control panel.
 - 8- Connect the domestic water sensor to the heat pump's control panel.
 - 9- Connect the back-up resistance to the electric panel.
 - 10- Connect the electrical power supply for the domestic water back-up to the electrical panel.
 - 20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

OPTIONAL PARTS

OPTIONAL PARTS

2-3. 2-HEATING CIRCUITS

■ SPLIT SERIES



Legend

CAR - Non-return valve

CC1 - Heating circulation pump, Circuit 1
(Remote heat pump circulation pump)

CC2 - Heating circulation pump, Circuit 2

K2c - 2nd circuit kit

1 - Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)

2 - Inter-connection between the outdoor unit and the indoor unit.

3 - Power supply to the electrical back-ups: Connect the electrical supply for the back-ups to the electrical panel.

4 - Outdoor sensor.

5 - Room thermostat and/or remote controller.

6 - Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.

11 - Circulation pump HC2

R - Radiators (or fan convectors)

SA1 - Room thermostat, Circuit 1 (option)

SA2 - Room thermostat, Circuit 2 (option)

SE - Outdoor sensor

SDp1 - Flow sensor, Circuit 1

SP - Heated floor thermal safety fuse

VM1 - Mixer valve, Circuit 1

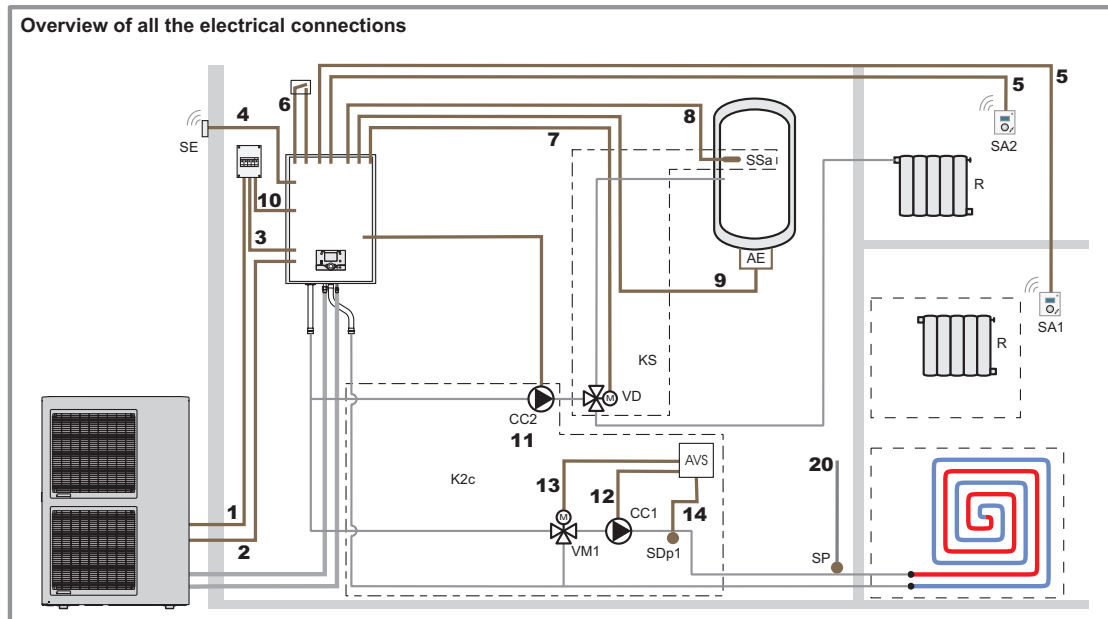
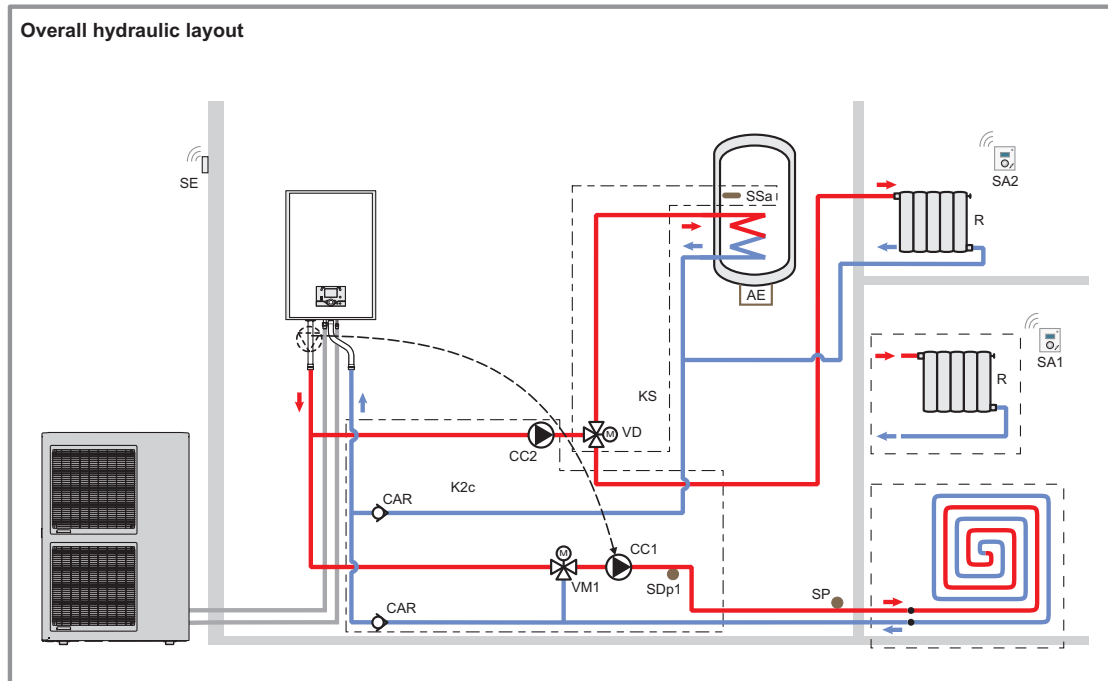
12 - Circulation pump HC1

14 - Initial sensor

20 - The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

2-4. 2-HEATING CIRCUITS AND DHW TANK

■ SPLIT SERIES

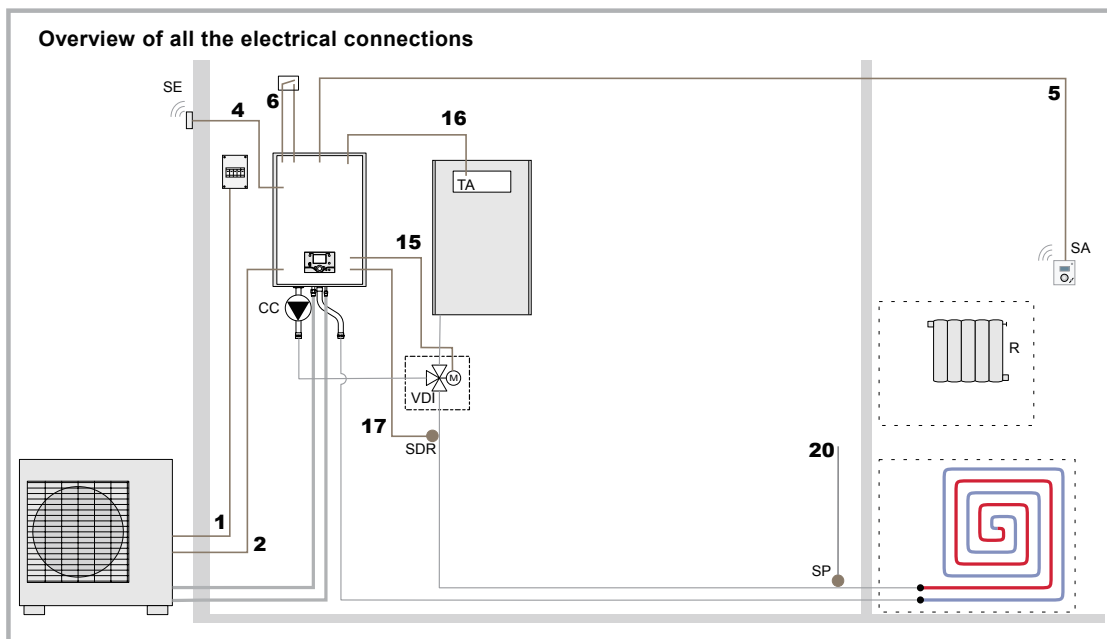
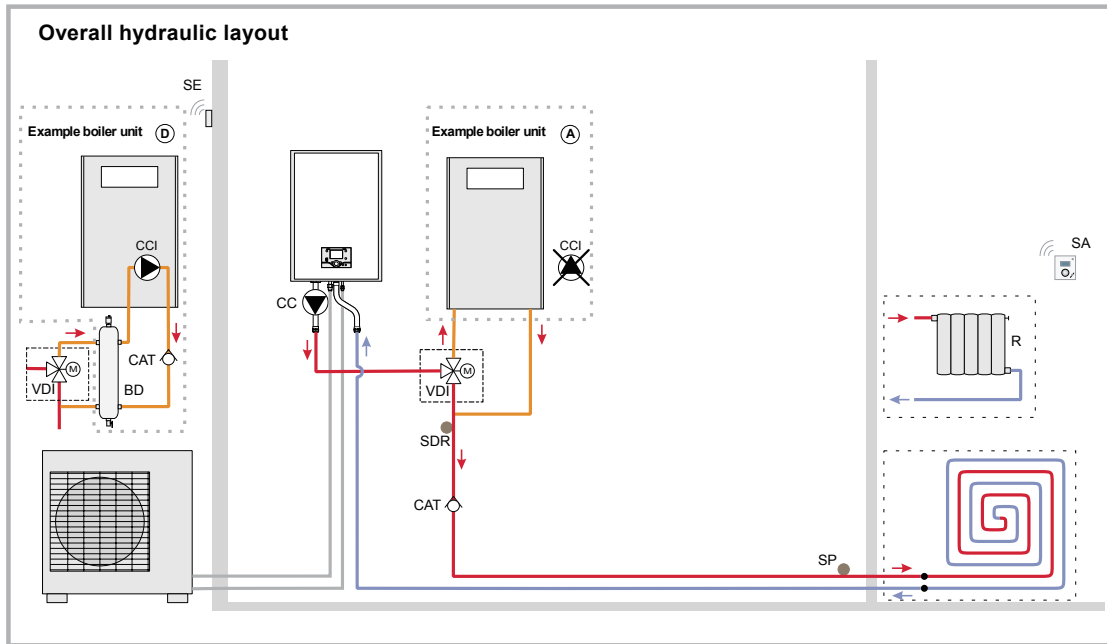


Legend

AE - Electric back-up	K2c - 2nd circuit kit	SDp1 - Flow sensor, Circuit 1
CAR - Non-return valve	R - Radiators (or fan convectors)	SSa - DHW sensor
CC1 - Heating circulation pump, Circuit 1 (Remote heat pump circulation pump)	SA1 - Room thermostat, Circuit 1 (option)	SP - Heated floor thermal safety fuse
CC2 - Heating circulation pump, Circuit 2	SA2 - Room thermostat, Circuit 2 (option)	VD - Distribution valve
KS - DHW kit	SE - Outdoor sensor	VM1 - Mixer valve, Circuit
1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)		
2- Inter-connection between the outdoor unit and the indoor unit.		
3- Power supply to the electrical back-ups: Connect the electrical supply for the back-ups to the electrical panel.		
4- Outdoor sensor.		
5- Room thermostat and/or remote controller.		
6- Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.		
7- Connect the directional valve to the heat pump's control panel.		
8- Connect the domestic water sensor to the heat pump's control panel.		
9- Connect the back-up resistance to the electric panel.		
10- Connect the electrical power supply for the domestic water back-up to the electrical panel.		
11- Circulation pump HC2	12- Circulation pump HC1	
13- Mixer valve	14- Initial sensor	
20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.		

2-5. BOILER CONNECTION AND 1-HEATING CIRCUIT

■ SPLIT SERIES



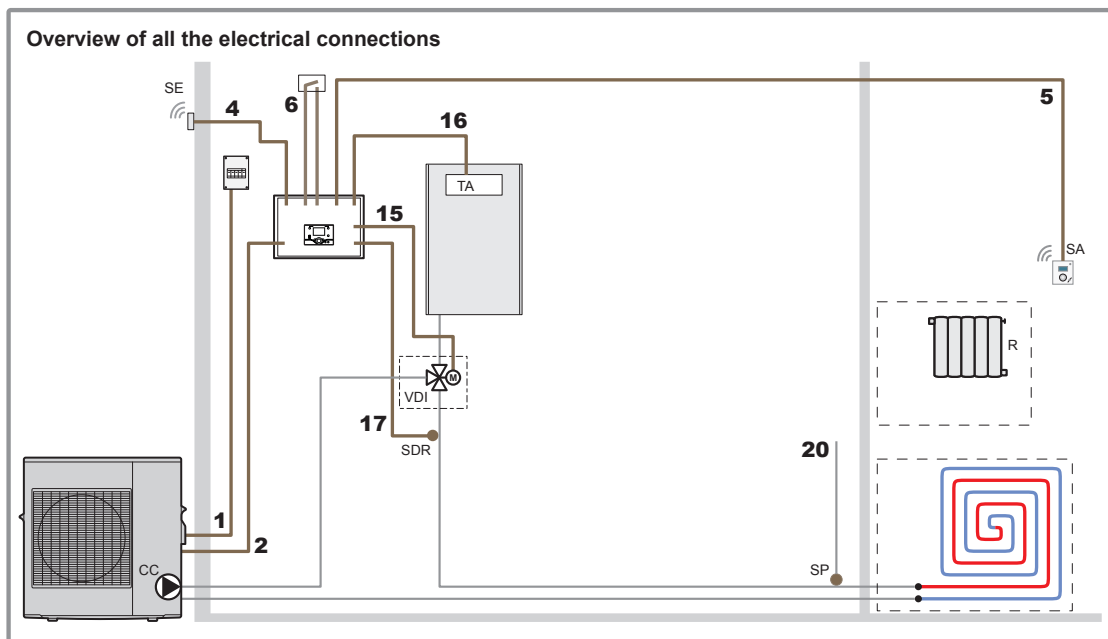
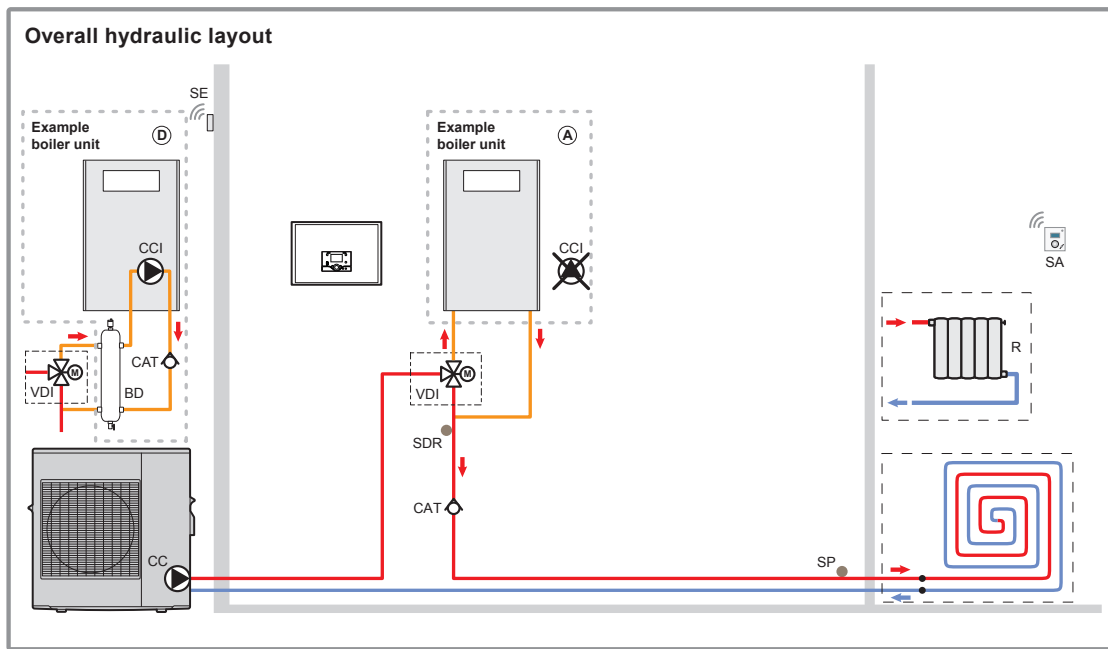
Legend

- | | | |
|--|--|--|
| BD - Disconnection bottle | SA - Room thermostat (option) | TA - Boiler room thermostat terminals |
| CAT - Anti-gravity feed valve | SE - Outside sensor | VDI - Distribution valve (deviation boiler) |
| CCI - Heating system circulation pump built into the boiler | SDR - Boiler connection valve flow sensor | |
| CC - Heating circulation pump | SP - Heated floor thermal safety fuse | |
- 1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)
 - 2- Inter-connection between the outdoor unit and the indoor unit.
 - 4- Outdoor sensor.
 - 5- Room thermostat and/or remote controller.
 - 6- Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.
 - 15- Connect the distribution valve to the electric panel.
 - 16- Connect the boiler control to the electric panel.
 - 17- Connect the boiler connection valve flow sensor to the heat pump's control panel.
 - 20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

OPTIONAL PARTS

OPTIONAL PARTS

MONOBLOC SERIES



Legend

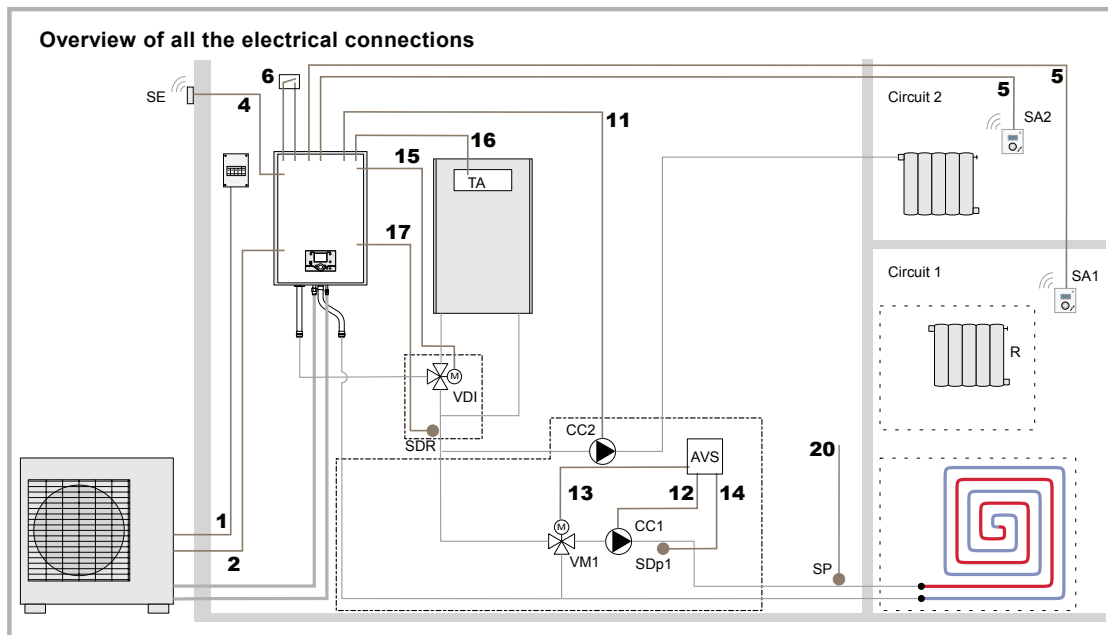
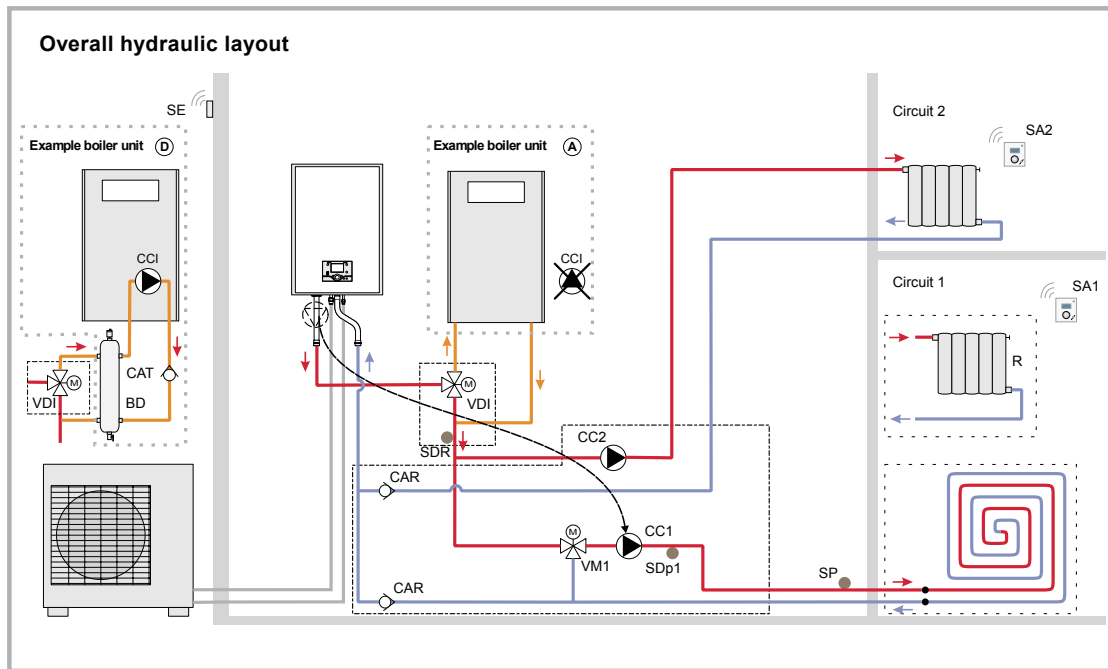
- | | | |
|--|--|--|
| BD - Disconnection bottle | SA - Room thermostat (option) | TA - Boiler room thermostat terminals |
| CAT - Anti-gravity feed valve | SE - Outside sensor | VDI - Distribution valve (deviation boiler) |
| CCI - Heating system circulation pump built into the boiler | SDR - Boiler connection valve flow sensor | |
| CC - Heating circulation pump | SP - Heated floor thermal safety fuse | |
- 1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)
 - 2- Inter-connection between the outdoor unit and the indoor unit.
 - 4- Outdoor sensor.
 - 5- Room thermostat and/or remote controller.
 - 6- Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.
 - 15- Connect the distribution valve to the electric panel.
 - 16- Connect the boiler control to the electric panel.
 - 17- Connect the boiler connection valve flow sensor to the heat pump's control panel.
 - 20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

OPTIONAL PARTS

OPTIONAL PARTS

2-6.2 BOILER CONNECTION AND 2-HEATING CIRCUITS

■ SPLIT SERIES

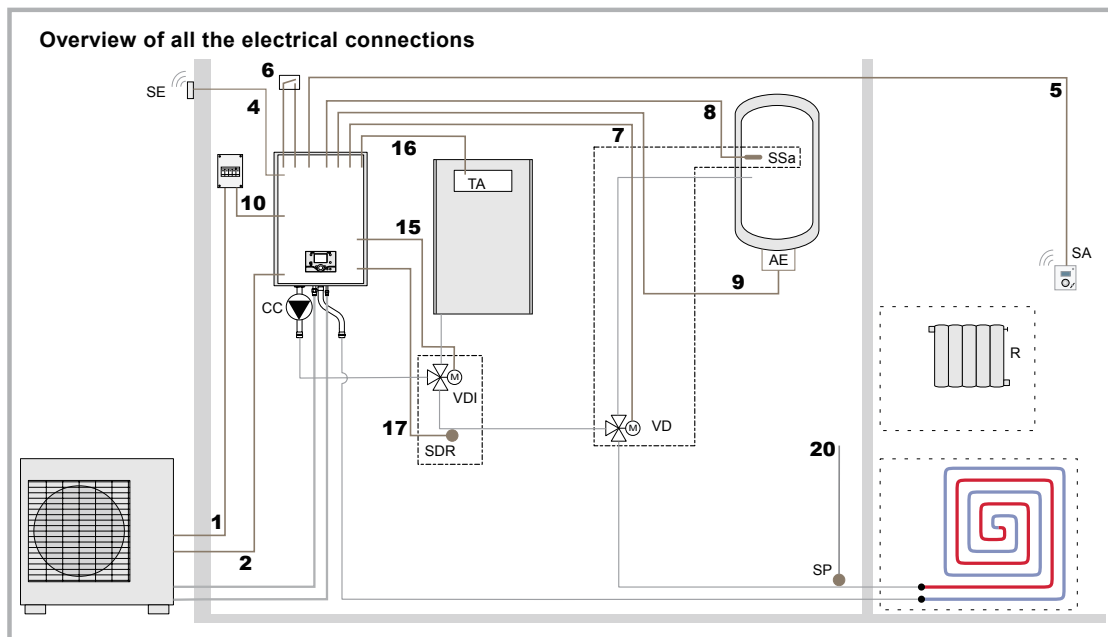
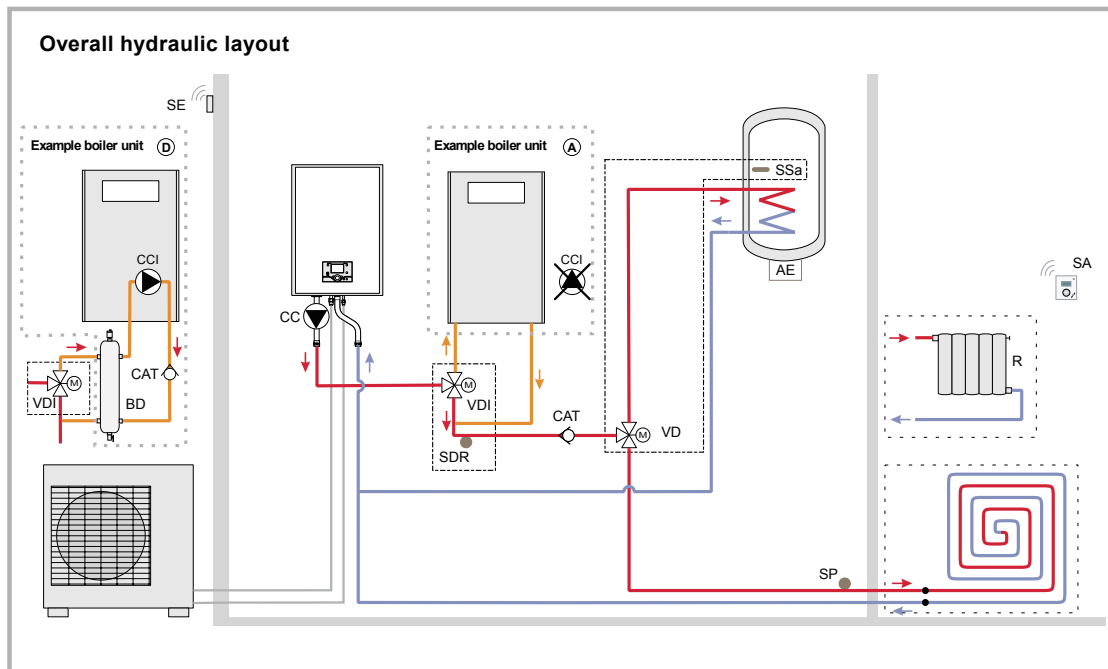


Legend

- | | | |
|---|--|--|
| AVS - 2nd circuit regulator | CC2 - Heating circulation pump circuit 2 | SP - Heated floor thermal safety fuse |
| BD - Disconnection bottle | SA1 - Room thermostat circuit 1 (option) | TA - Boiler connection valve flow sensor |
| CAR - Non-return valve | SA2 - Room thermostat circuit 2 (option) | VDI - Distribution valve (deviation boiler) |
| CAT - Anti-gravity feed valve | SE - Outside sensor | VM1 - Mixing valve circuit 1 |
| CCI - Heating system circulation pump built into the boiler | SDp1 - Flow sensor circuit 1 | |
| CC1 - Heating circulation pump circuit 1 (remote heat pump circulation pump) | SDR - Boiler connection valve flow sensor | |
- 1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)
 2- Inter-connection between the outdoor unit and the indoor unit.
 4- Outdoor sensor.
 5- Room thermostat and/or remote controller.
 6- Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.
 11- Circulation pump HC2
 12- Circulation pump HC1
 13- Mixer valve
 14- Initial sensor
 15- Connect the distribution valve to the electric panel.
 16- Connect the boiler control to the electric panel.
 17- Connect the boiler connection valve flow sensor to the heat pump's control panel.
 20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

2-7. BOILER CONNECTION, 1-HEATING CIRCUIT AND DHW TANK

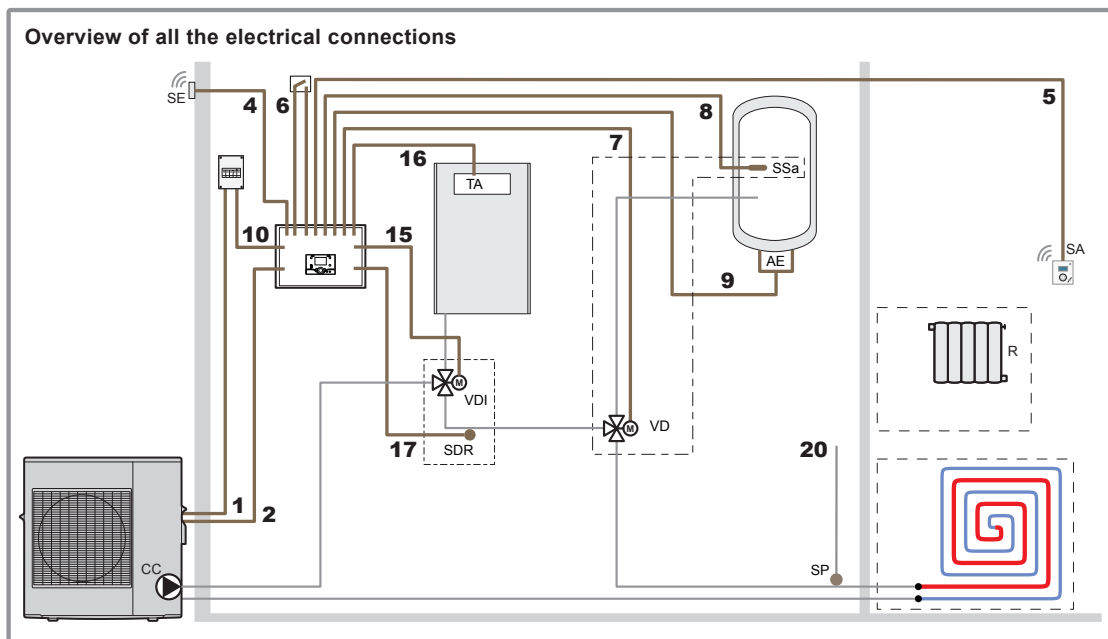
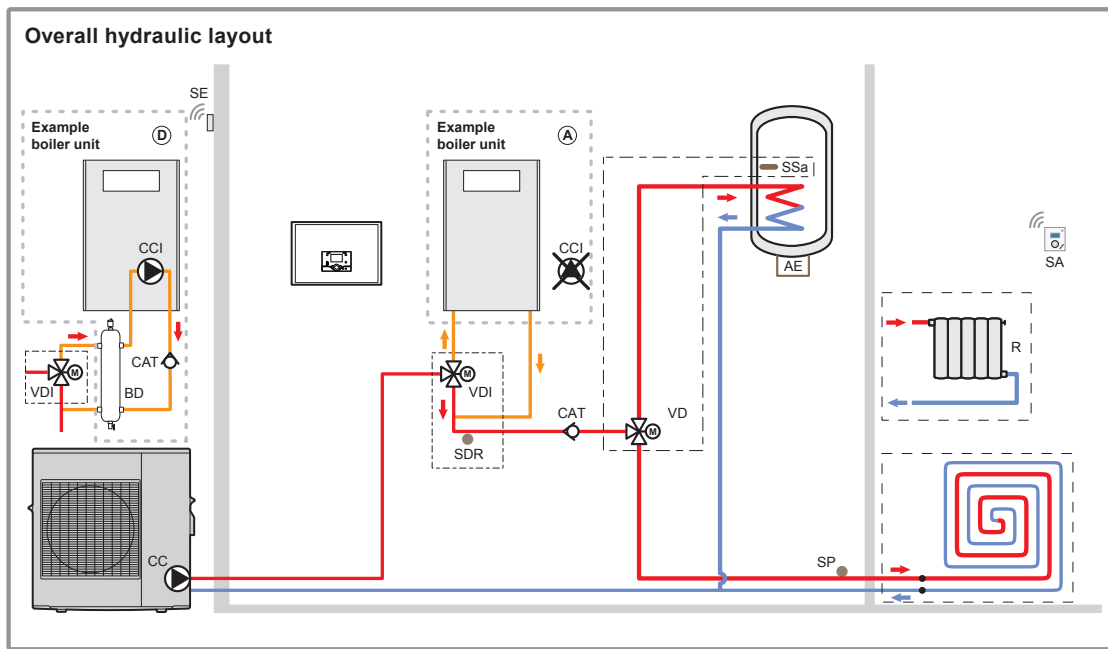
■ SPLIT SERIES



Legend

- | | | |
|--|--|--|
| AE - Electric back-up | SA - Room thermostat (option) | TA - Boiler room thermostat terminals |
| BD - Disconnection bottle | SE - Outside sensor | VD - Distribution valve |
| CAT - Anti-gravity feed valve | SDR - Boiler connection valve flow sensor | VDI - Distribution valve (deviation boiler) |
| CCI - Heating system circulation pump built into the boiler | SSa - DHW sensor | |
| CC - Heating circulation pump | SP - Heated floor thermal safety fuse | |
- 1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)
 - 2- Inter-connection between the outdoor unit and the indoor unit.
 - 4- Outdoor sensor.
 - 5- Room thermostat and/or remote controller.
 - 6- Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.
 - 7- Connect the directional valve to the heat pump's control panel.
 - 8- Connect the domestic water sensor to the heat pump's control panel.
 - 9- Connect the back-up resistance to the electric panel.
 - 10- Connect the electrical power supply for the domestic water back-up to the electrical panel.
 - 15- Connect the distribution valve to the electric panel.
 - 16- Connect the boiler control to the electric panel.
 - 17- Connect the boiler connection valve flow sensor to the heat pump's control panel.
 - 20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

MONOBLOC SERIES

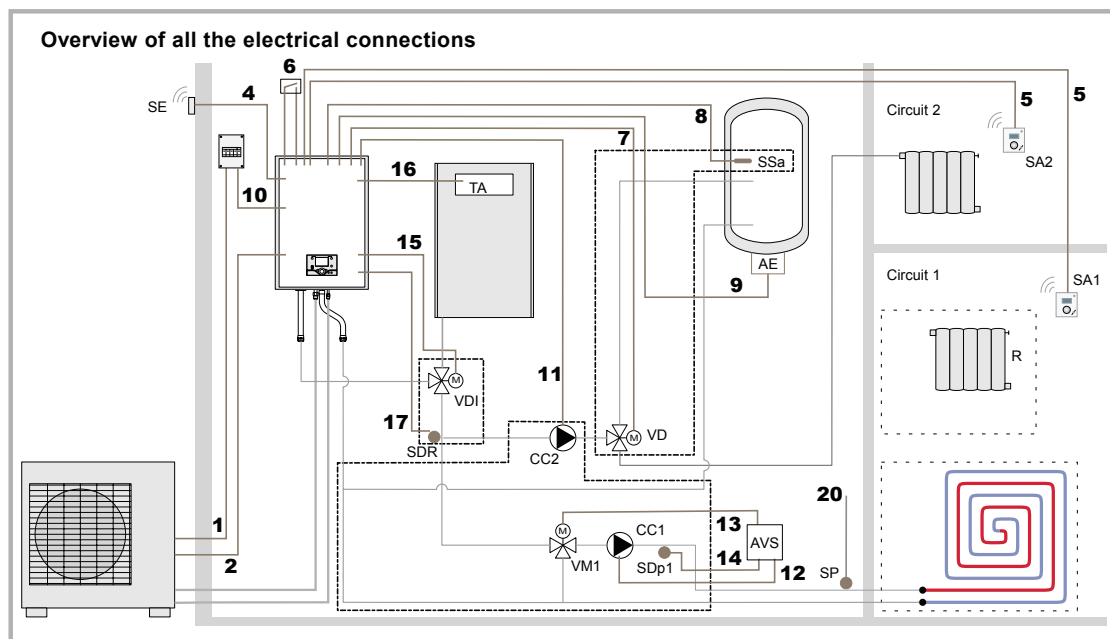
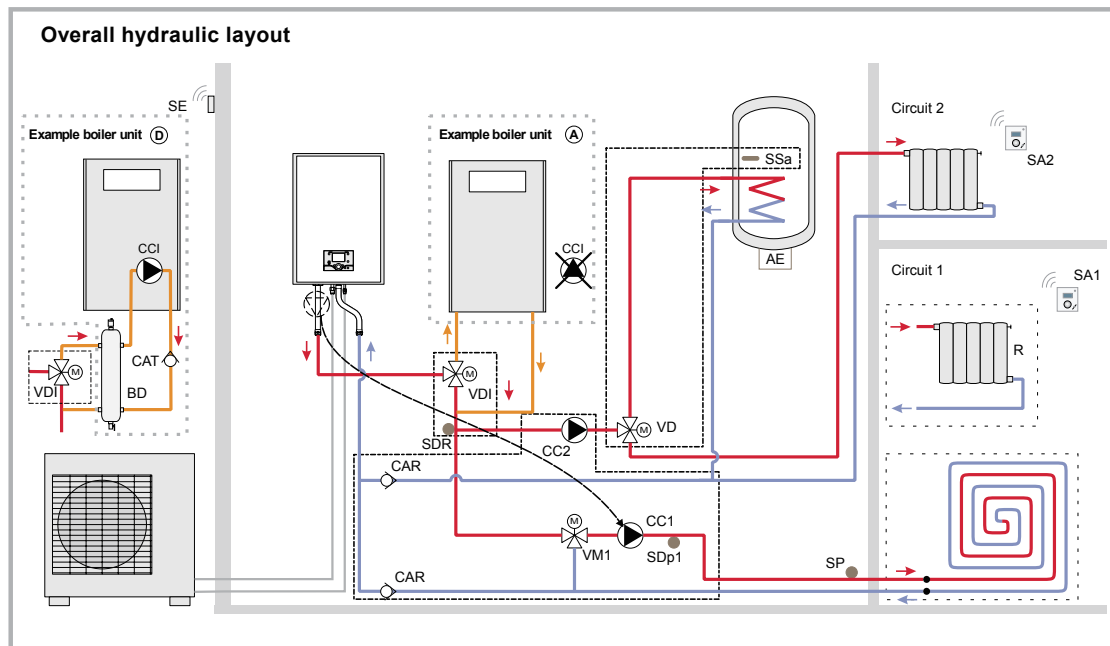


Legend

- | | | |
|--|--|--|
| AE - Electric back-up | SA - Room thermostat (option) | TA - Boiler room thermostat terminals |
| BD - Disconnection bottle | SE - Outside sensor | VD - Distribution valve |
| CAT - Anti-gravity feed valve | SDR - Boiler connection valve flow sensor | VDI - Distribution valve (deviation boiler) |
| CCI - Heating system circulation pump built into the boiler | SSa - DHW sensor | |
| CC - Heating circulation pump | SP - Heated floor thermal safety fuse | |
- 1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)
 - 2- Inter-connection between the outdoor unit and the indoor unit.
 - 4- Outdoor sensor.
 - 5- Room thermostat and/or remote controller.
 - 6- Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.
 - 7- Connect the directional valve to the heat pump's control panel.
 - 8- Connect the domestic water sensor to the heat pump's control panel.
 - 9- Connect the back-up resistance to the electric panel.
 - 10- Connect the electrical power supply for the domestic water back-up to the electrical panel.
 - 15- Connect the distribution valve to the electric panel.
 - 16- Connect the boiler control to the electric panel.
 - 17- Connect the boiler connection valve flow sensor to the heat pump's control panel.
 - 20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

2-8. BOILER CONNECTION, 2-HEATING CIRCUITS AND DHW TANK

■ SPLIT SERIES



Legend

AE - Electric back-up	CC1 - Heating circulation pump circuit 1 (remote heat pump circulation pump)	SDR - Boiler connection valve flow sensor
AVS - 2nd circuit regulator	CC2 - Heating circulation pump circuit 2	SSa - DHW sensor
BD - Disconnection bottle	SA1 - Room thermostat circuit 1 (option)	SP - Heated floor thermal safety fuse
CAR - Non-return valve	SA2 - Room thermostat circuit 2 (option)	TA - Boiler room thermostat terminals
CAT - Anti-gravity feed valve	SE - Outside sensor	VD - Distribution valve
CCI - Heating system circulation pump built into the boiler	SDp1 - Flow sensor circuit 1	VDI - Distribution valve (deviation boiler)
		VM1 - Mixing valve circuit 1

- 1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)
- 2- Inter-connection between the outdoor unit and the indoor unit.
- 4- Outdoor sensor.
- 5- Room thermostat and/or remote controller.
- 6- Contract with the power provider: Connect the "Power Provider" contact to the pump's control panel.
- 7- Connect the directional valve to the heat pump's control panel.
- 8- Connect the domestic water sensor to the heat pump's control panel.
- 9- Connect the back-up resistance to the electric panel.
- 10- Connect the electrical power supply for the domestic water back-up to the electrical panel.
- 11- Circulation pump HC2
- 12- Circulation pump HC1
- 13- Mixer valve
- 14- Initial sensor
- 15- Connect the distribution valve to the electric panel.
- 16- Connect the boiler control to the electric panel.
- 17- Connect the boiler connection valve flow sensor to the heat pump's control panel.
- 20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.