



WATERSTAGETM

OPTIONAL PARTS

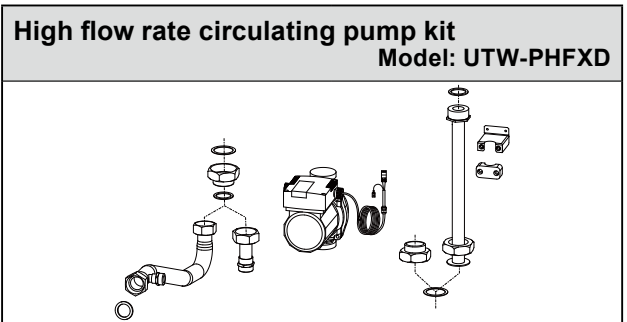
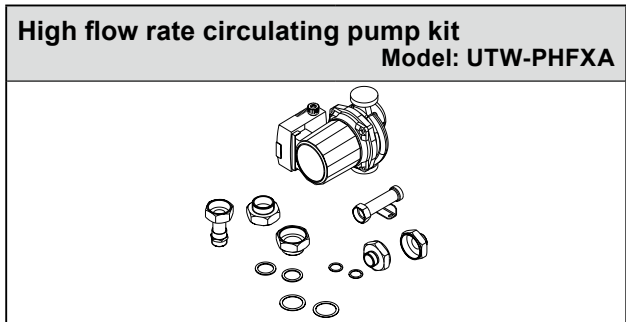
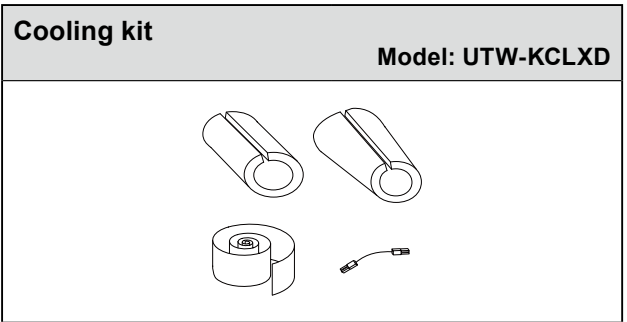
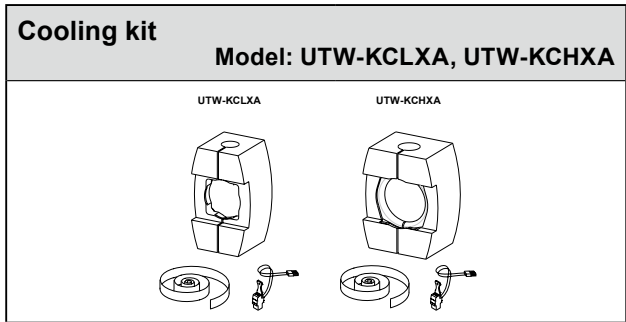
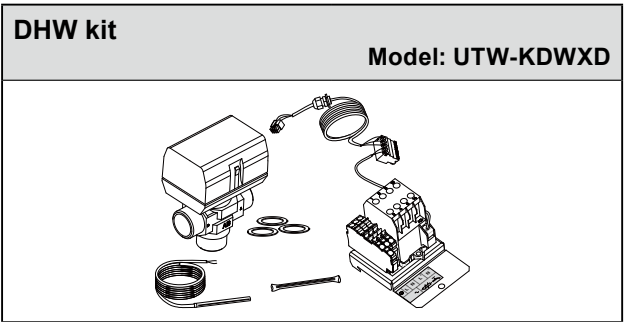
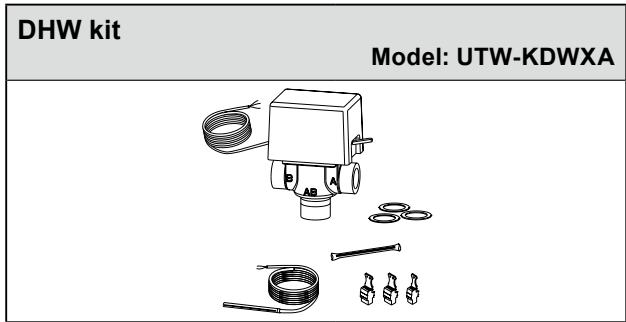
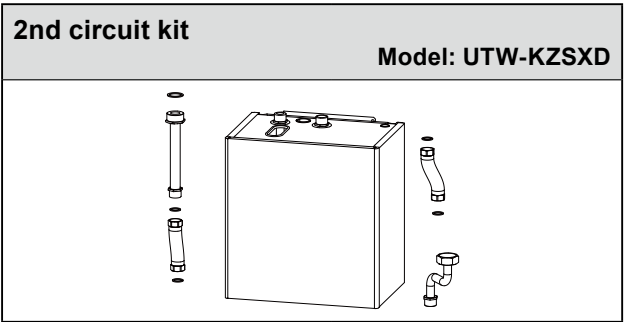
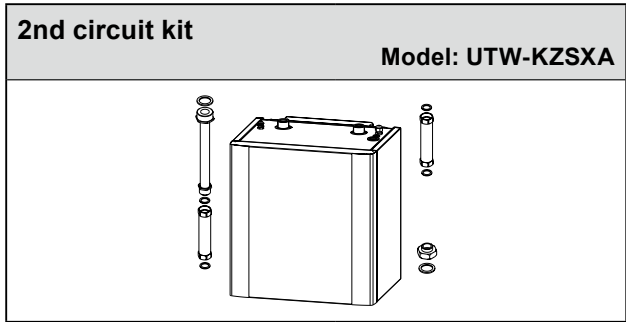
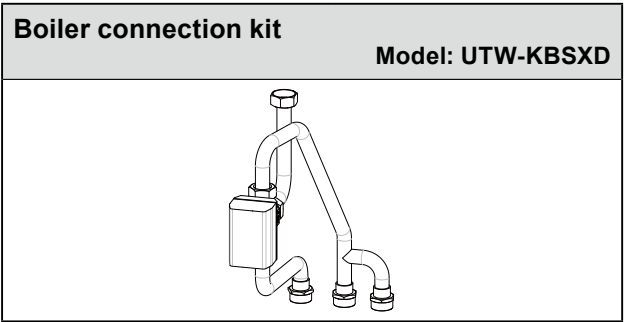
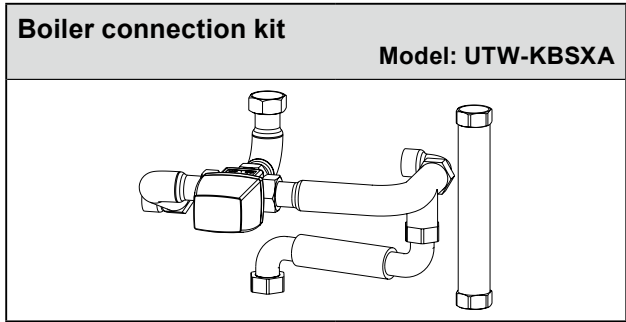
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1. OPTIONAL PARTS LIST

1-1. LIST



OPTIONAL PARTS

OPTIONAL PARTS

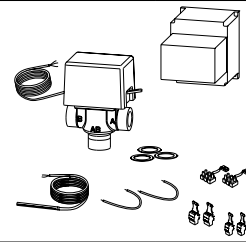
Class A pump kit

Model: UTW-PCAXD



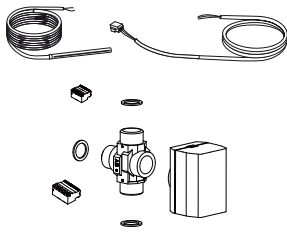
Swimming pool kit

Model: UTW-KSPXA



Swimming pool kit

Model: UTW-KSPXD



Heat exchanger for Swimming pool

Model: UTW-ESPXA



Room thermostat

Model: UTW-C55XA



Room thermostat

Model: UTW-C58XD



Remote control

Model: UTW-C75XA



Remote control

Model: UTW-C78XD



DHW Tank

Model: UTW-T20XA, UTW-T30XA

200L model



300L model



DHW Tank

Model: UTW-T30XD



OPTIONAL PARTS

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RF outdoor sensor kit

Model: UTW-MOSXD



RF module

Model: UTW-M60XD, UTW-MRCXD



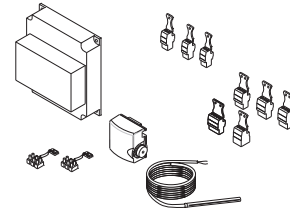
Balancing vessel

Model: UTW-TEVXA



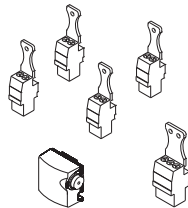
Cascade regulation extension kit

Model: UTW-KCEXD



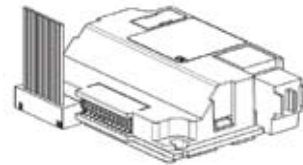
Cascade kit

Model: UTW-KCCXD



LPB clip

Model: UTW-KL1XD



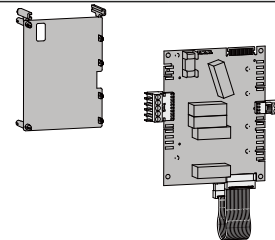
Webserver

Model: UTW-KWSXD, UTW-KW1XD, UTW-KW4XD



Regulation extension kit

Model: UTW-KREXD



Mode exchange kit

Model: UTY-MEKIT



OPTIONAL PARTS

OPTIONAL PARTS

Service tool kit

Model: UTW-KSTXD



Service tool software

Model: UTY-KPSXD

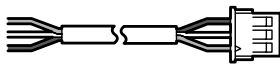


CD-ROM
(Software)

External connect kit

Model: UTY-XWZXZ2

INPUT
OUTPUT



for
OUTDOOR UNIT

Low noise kit

Model: UTY-LNKIT



for
OUTDOOR UNIT

1-2. CONNECTION LIST

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

Unit category	Optional parts		Split type							Monobloc type
	Names	Model	Single phase type				3 phase type	Single phase	3 phase type	Single phase
			Comfort series			High power series		High power series		Compact series
			050DA	095DA	128DA	140DB6	160DA9	140DC6	160DC9	080LA
			065DA		155DA					
080DA										
INDOOR UNIT	Boiler connection kit	UTW-KBSXA	●	●	●	●	●	—	—	—
		UTW-KBSXD	—	—	—	—	—	●	●	—
	2nd circuit kit	UTW-KZSXA	●	●	●	●	●	—	—	—
		UTW-KZSXD	—	—	—	—	—	●	●	—
	DHW kit	UTW-KDWXA	●	●	●	●	●	—	—	●
		UTW-KDWXD	—	—	—	—	—	●	●	—
	Cooling kit	UTW-KCLXA	●	●	●	●	●	—	—	○
		UTW-KCHXA	—	—	●	●	●	—	—	○
		UTW-KCLXD	—	—	—	—	—	●	●	○
	High flow rate circulating pump kit	UTW-PHFXA	—	—	●	●	●	—	—	—
		UTW-PHFXD	—	—	—	—	—	●	●	—
	Class A pump kit	UTW-PCAXD	●	●	●	●	●	—	—	—
	Swimming pool kit	UTW-KSPXA	●	●	●	●	●	—	—	●
		UTW-KSPXD	—	—	—	—	—	●	●	—
	Heat exchanger for Swimming pool	UTW-ESPXA	●	●	●	●	●	●	●	●
	Room thermostat	UTW-C55XA	●	●	●	●	●	●	●	●
		UTW-C58XD	●	●	●	●	●	●	●	●
	Remote control	UTW-C75XA	●	●	●	●	●	●	●	●
		UTW-C78XD	●	●	●	●	●	●	●	●

OPTIONAL PARTS

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

Unit category	Optional parts		Split type							Monobloc type
	Names	Model	Single phase type				3 phase type	Single phase	3 phase type	Single phase
			Comfort series			High power series		High power series		Compact series
			050DA	095DA	128DA	140DB6	160DA9	140DC6	160DC9	080LA
			065DA		155DA					100LA
080DA										
INDOOR UNIT	DHW Tank	UTW-T20XA UTW-T30XA	●	●	●	●	●	●	●	●
		UTW-T30XD	●	●	●	●	●	●	●	●
	RF outdoor sensor kit	UTW-MOSXD	●	●	●	●	●	●	●	●
	RF module	UTW-M60XD	●	●	●	●	●	●	●	●
		UTW-MRCXD	●	●	●	●	●	●	●	●
	Balancing vessel	UTW-TEVXA	●	●	●	●	●	●	●	●
	Cascade regulation extension kit	UTW-KCEXD	—	●	●	●	●	—	—	—
	Cascade kit	UTW-KCCXD	—	●	●	●	●	—	—	—
	LPB clip	UTW-KL1XD	—	—	—	—	—	●	●	—
	Webserver	UTW-KWSXD	●	●	●	●	●	●	●	●
		UTW-KW1XD	●	●	●	●	●	●	●	●
		UTW-KW4XD	●	●	●	●	●	●	●	●
	Regulation extension kit	UTW-KREXD	—	—	—	—	—	●	●	—
	Mode exchange kit	UTY-MEKIT	●	●	●	●	●	—	—	●
	Service tool kit	UTW-KSTXD	●	●	●	●	●	●	●	●
Service tool software	UTY-KPSXD	●	●	●	●	●	●	●	●	

OPTIONAL PARTS

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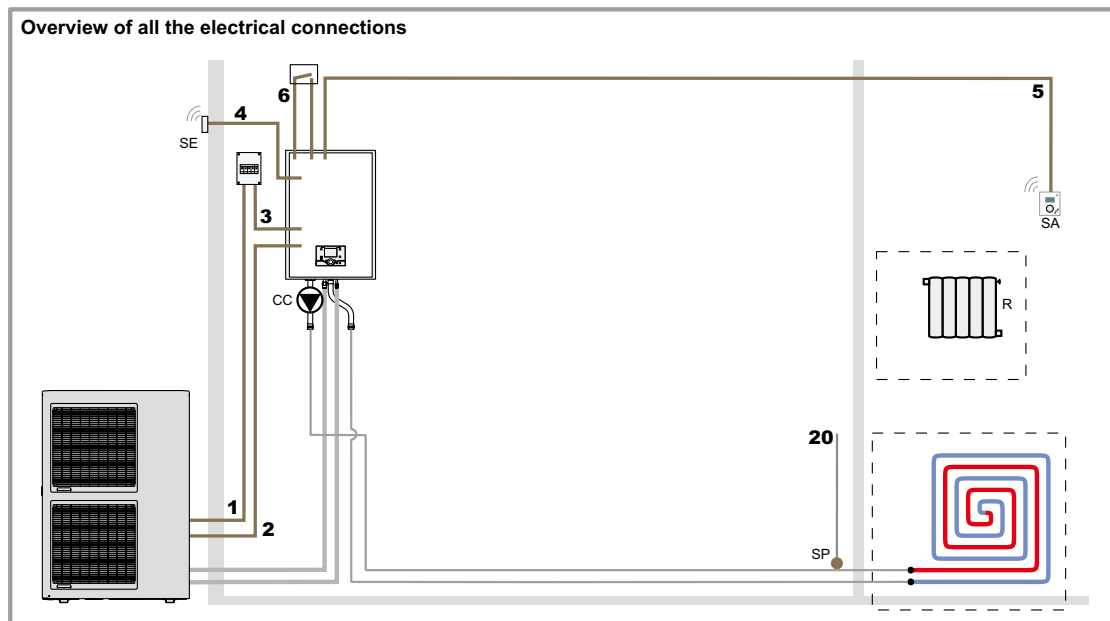
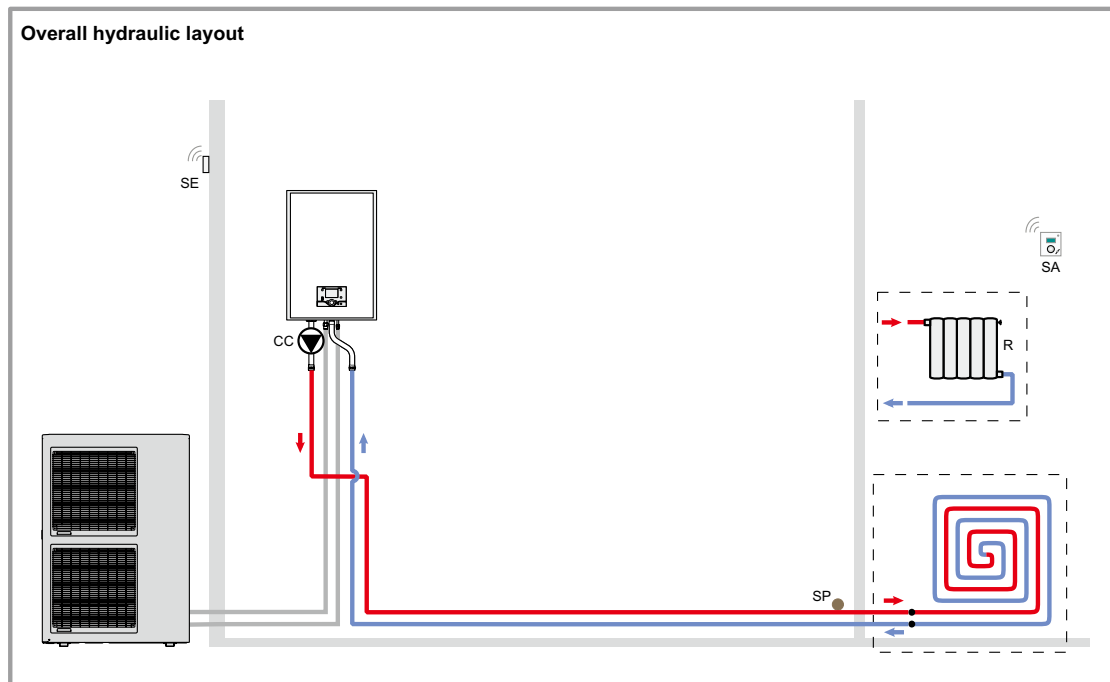
●: Available, —: Not available, ○: Standard equipment

Unit category	Optional parts		Split type							Monobloc type
	Names	Model	Single phase type				3 phase type	Single phase	3 phase type	Single phase
			Comfort series		High power series		High power series		Compact series	
			18LALL	30LBTL	45LBTL	112LBT	112LAT	112LCT	112LCT	080LA
24LALL	54LJBYL	140LBT	140LAT		140LCT	140LCT	100LA			
OUTDOOR UNIT	External connect kit	UTY-XWZXZ2	—	—	—	●	●	●	●	—
	Low noise kit	UTY-LNKIT	—	—	—	●	●	—	—	—

2. CONNECTION CONFIGURATION EXAMPLE

2-1. 1-HEATING CIRCUIT

■ SPLIT TYPE (WS*A***DA, WS*G***DB6, WS*K***DA9)



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 heat pump's regulator.

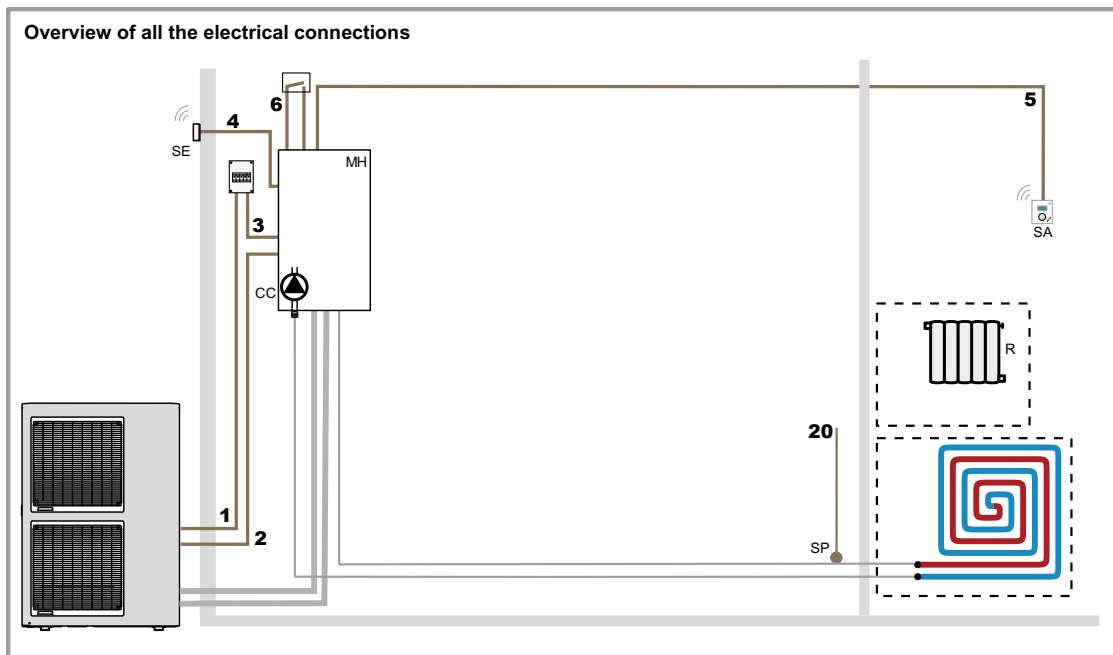
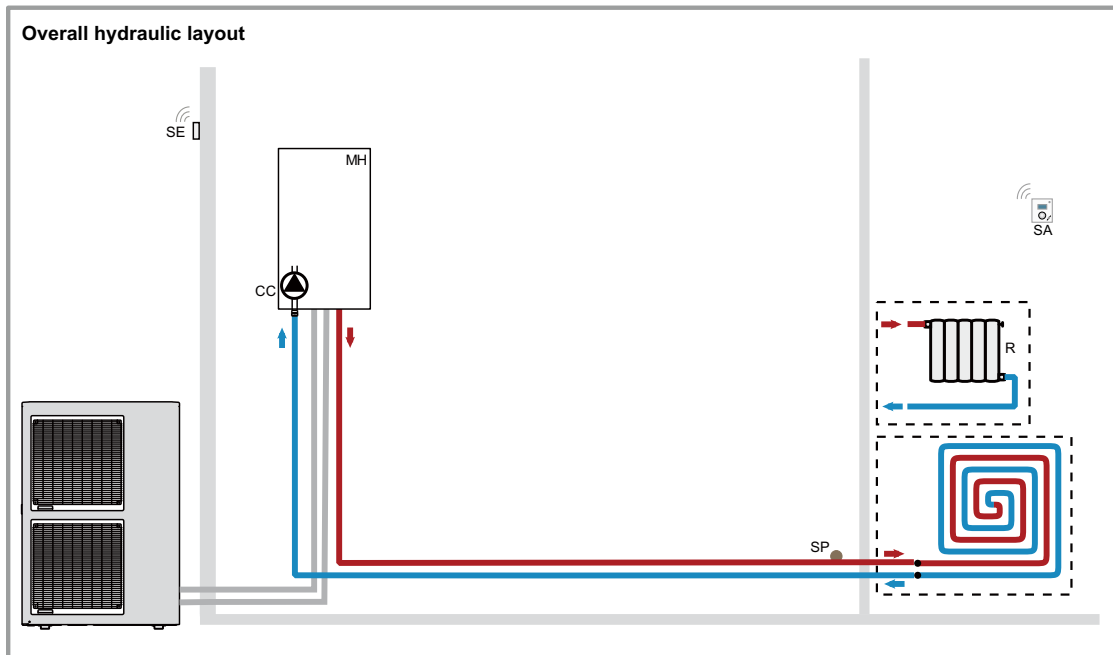
20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

SA - Room thermostat (option)

SE - Outdoor sensor

SP - Heated floor thermal safety fuse

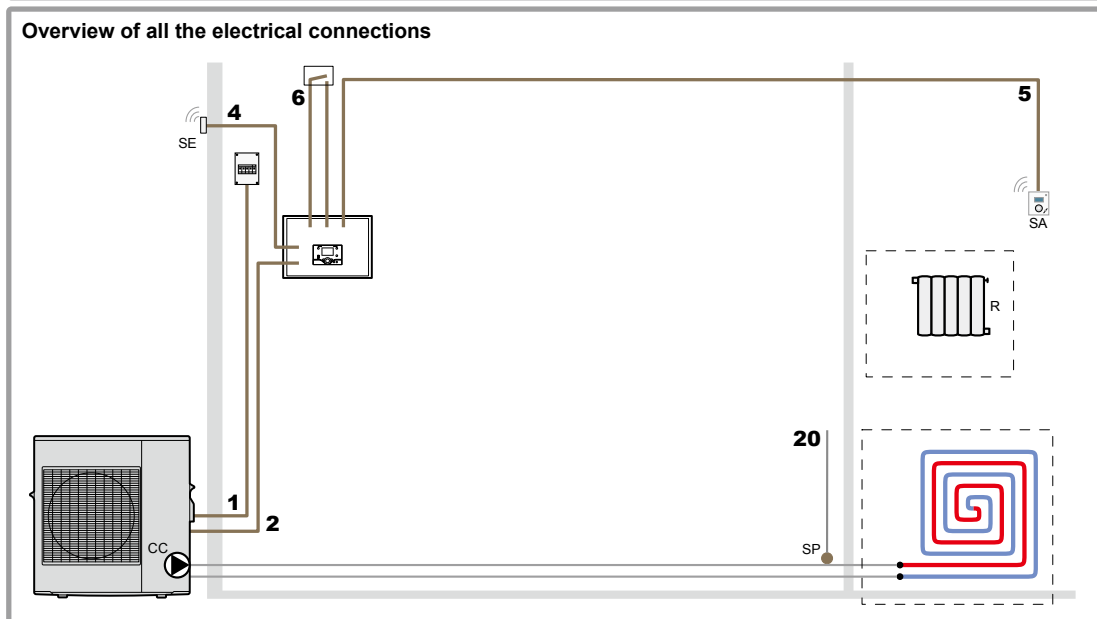
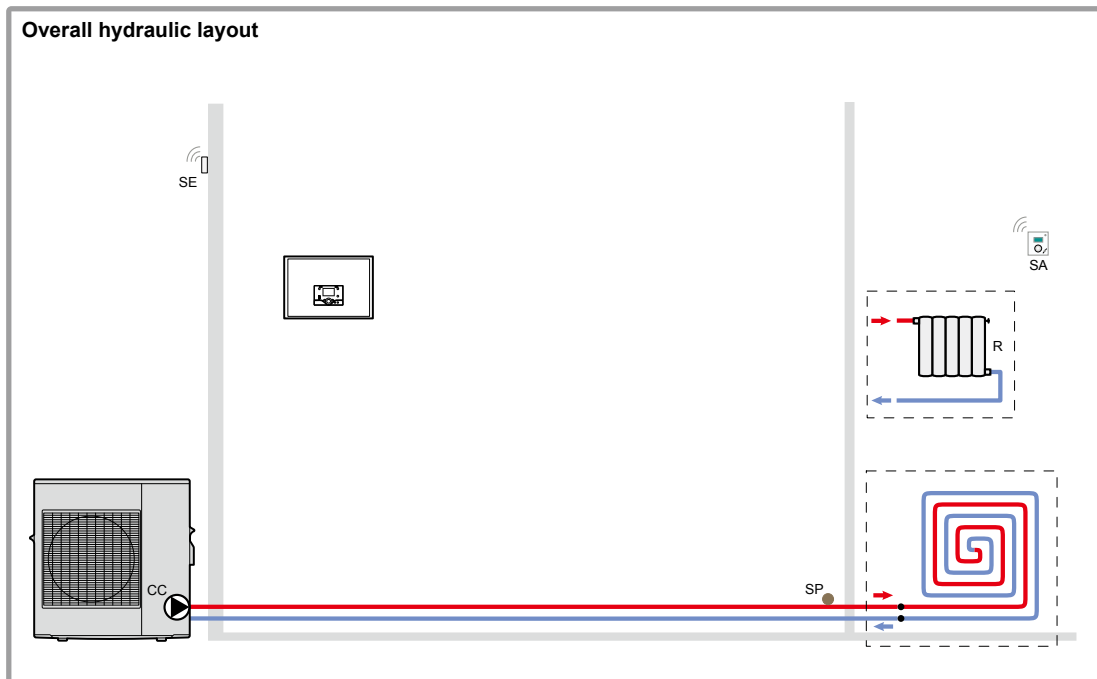
■ SPLIT TYPE (WS*G***DC6, WS*K***DC9)



Legend

- | | | |
|--------------------------------------|---|--|
| CC - Heating circulation pump | R - Radiators | SE - Outdoor sensor |
| MH - Indoor unit | SA - Room thermostat or Room control unit (option) | 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.
 - 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 heat pump's regulator.
 - 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 TYPE



Legend

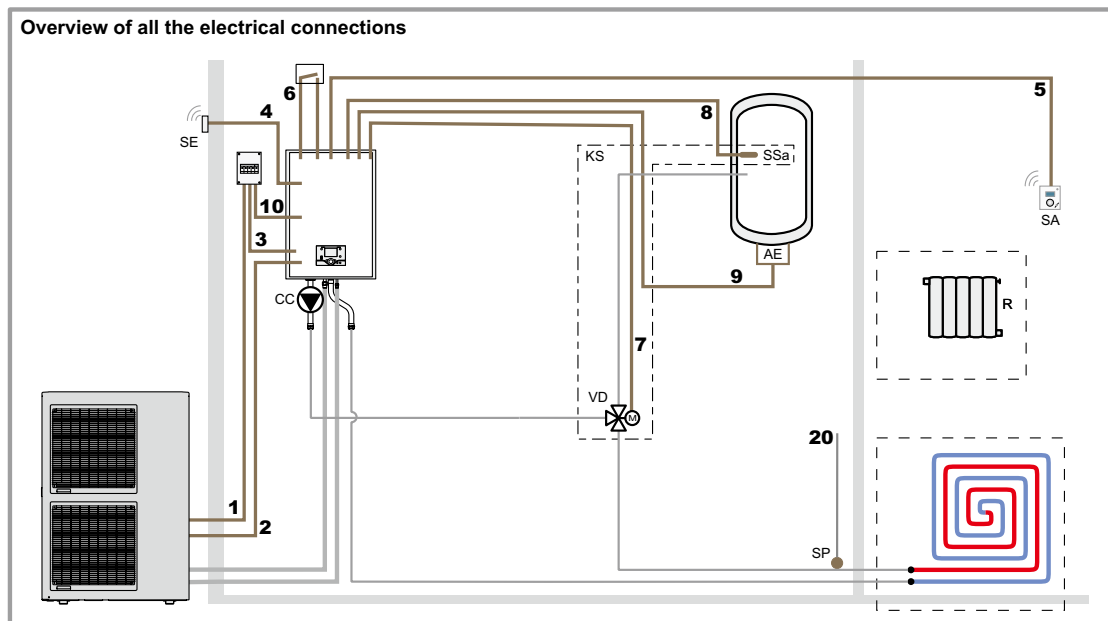
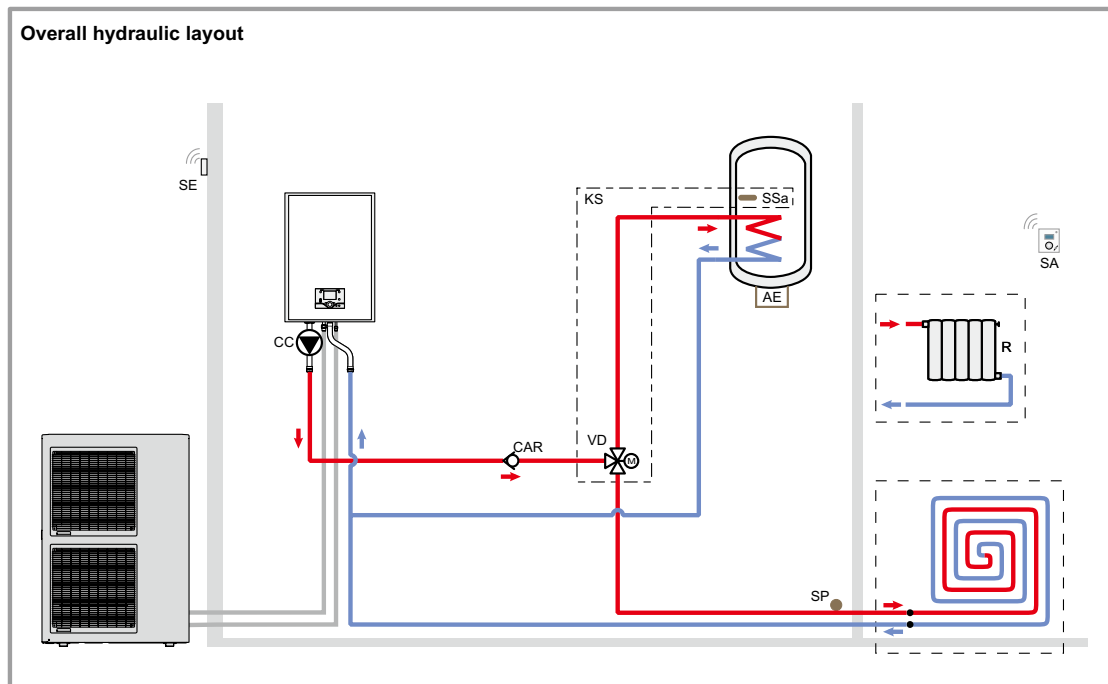
- | | | |
|---|--------------------------------------|--|
| CC - Heating circulation pump | SA - Room thermostat (option) | SP - Heated floor thermal safety fuse |
| R - Radiators (or fan convectors) | SE - Outdoor sensor | |
| 1- Power supply to the outdoor unit. (Electrical connections on the outdoor 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 heat pump's regulator. | | |
| 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 TYPE (WS*A***DA, WS*G***DB6, WS*K***DA9)



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 heat pump's regulator.

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

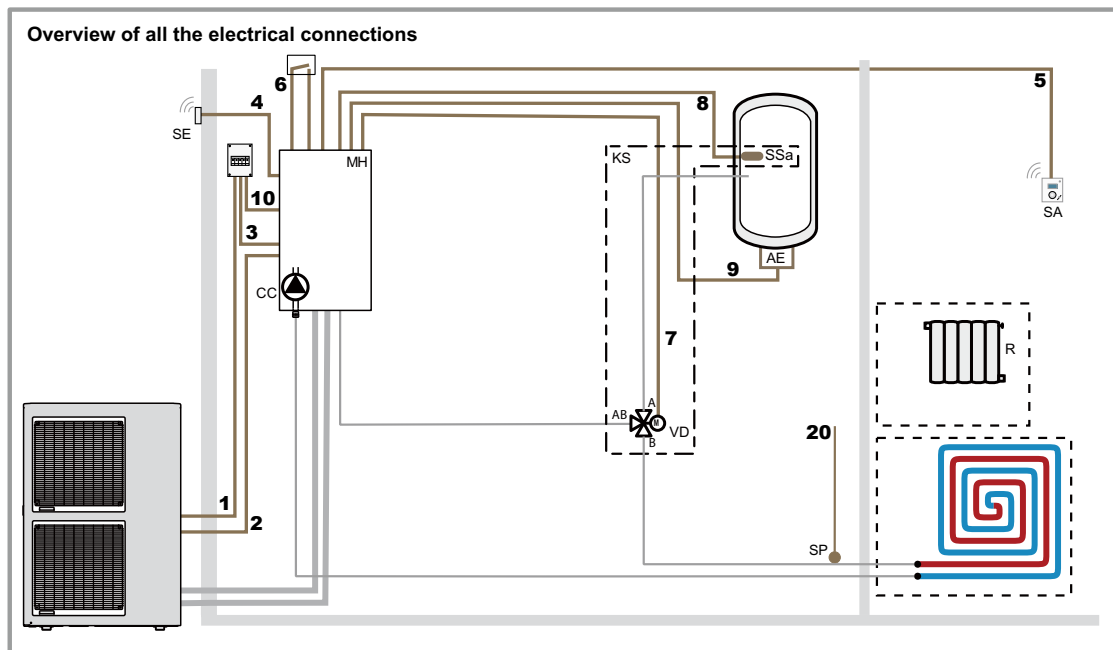
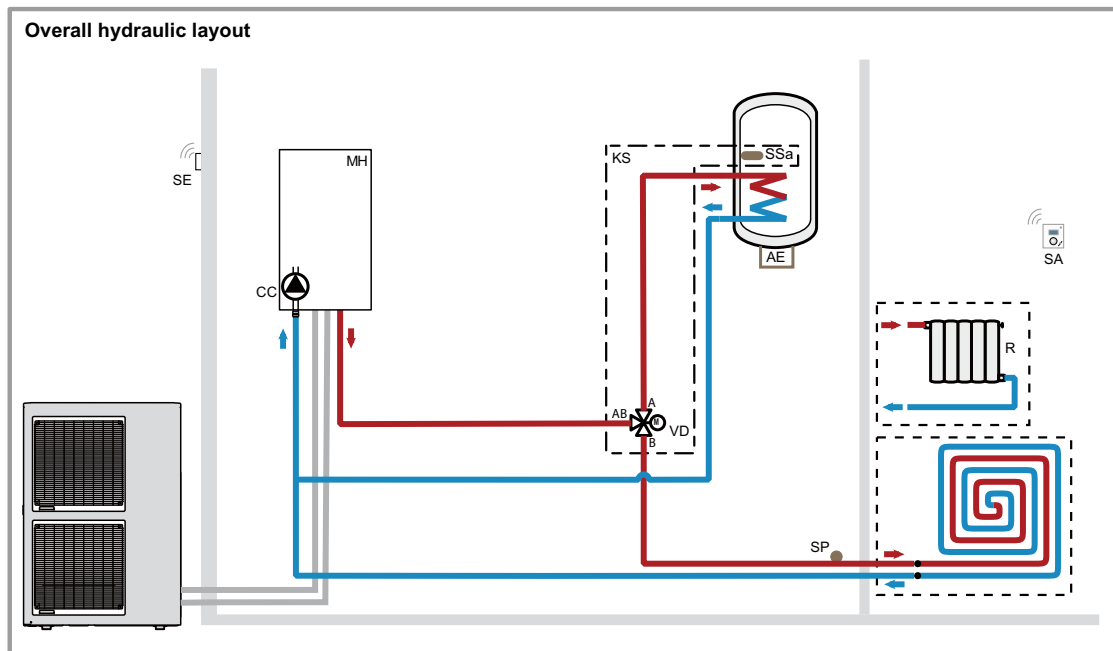
8- Connect the domestic water sensor to the heat pump's regulator.

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.

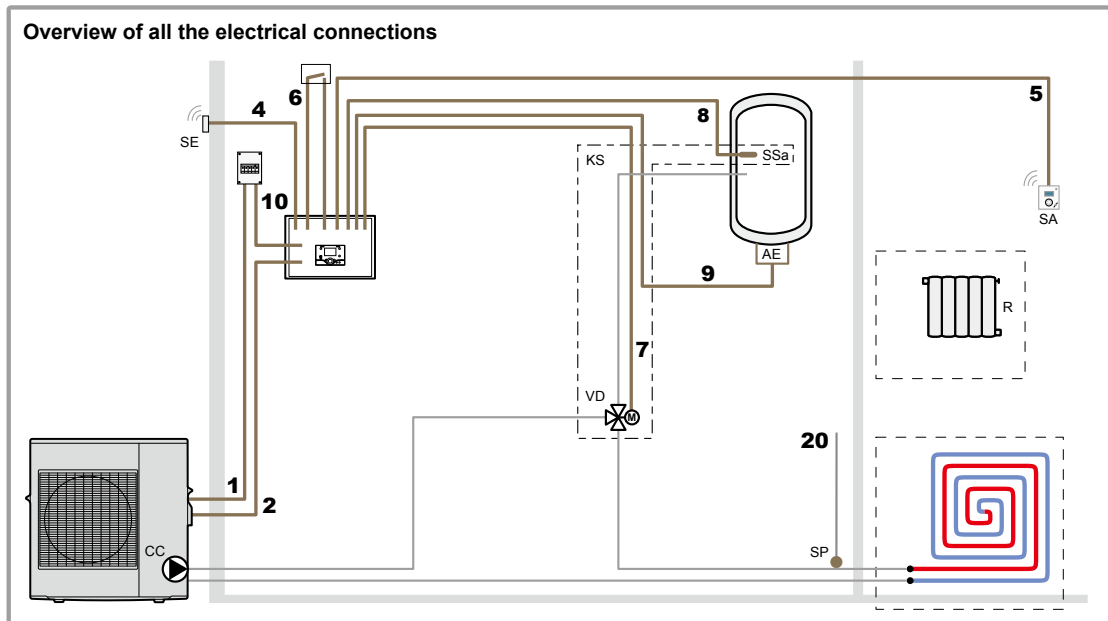
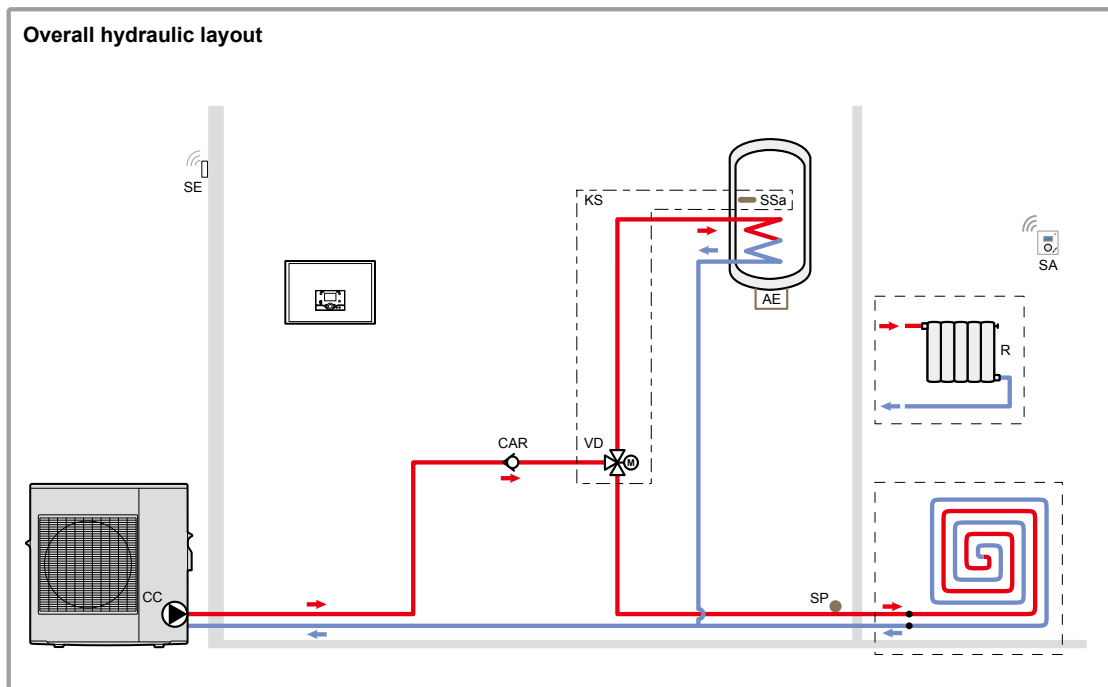
■ SPLIT TYPE (WS*G***DC6, WS*K***DC9)



Legend

- | | | |
|--------------------------------------|---|--------------------------------|
| AE - Electric back-up | R - Radiators | SSa - DHW sensor |
| CC - Heating circulation pump | SA - Room thermostat or Room control unit (option) | VD - Distribution valve |
| KS - DHW kit | SE - Outdoor sensor | |
| MH - Indoor unit | 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.
 - 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 heat pump's regulator.
 - 7- Connect the directional valve to the heat pump's regulator.
 - 8- Connect the domestic water sensor to the heat pump's regulator.
 - 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 TYPE



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.

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 regulator.

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

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

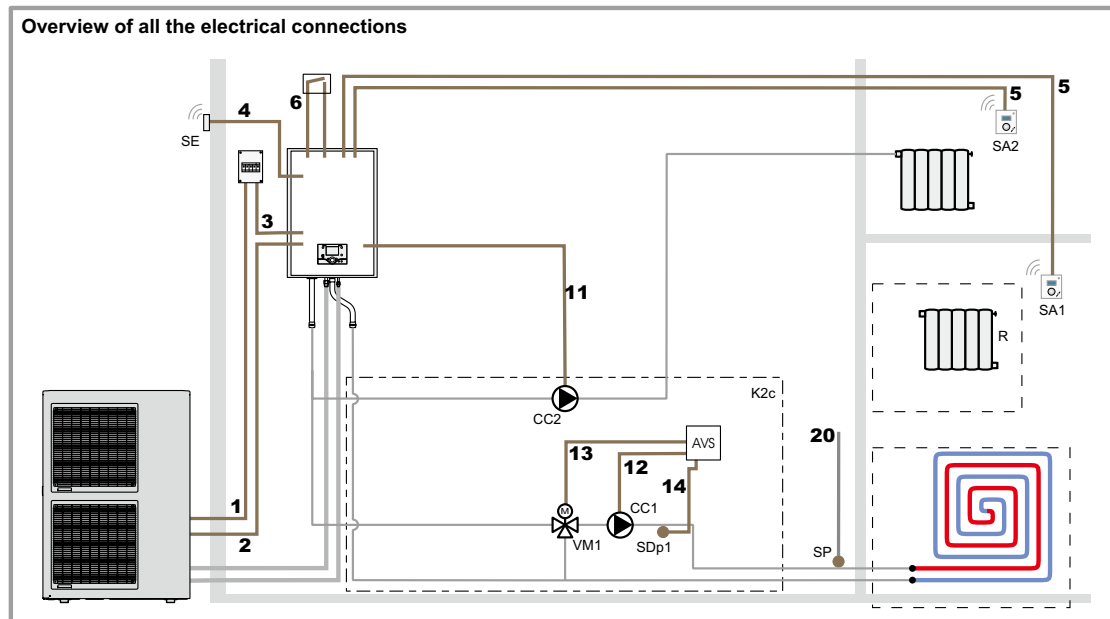
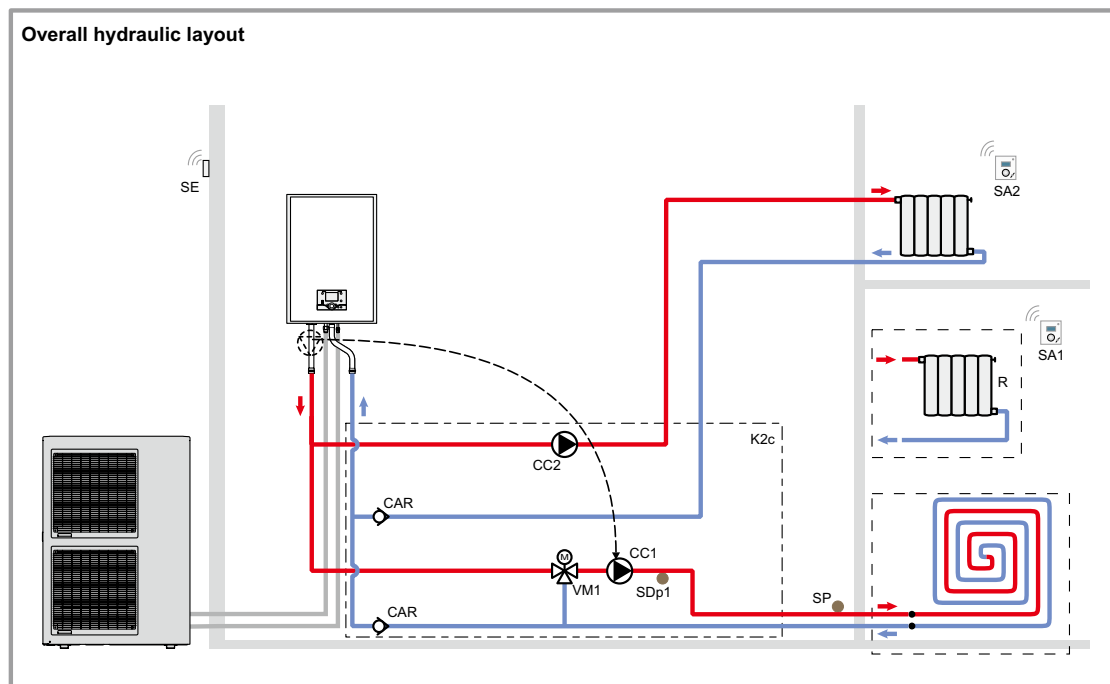
9- Connect the back-up resistance to the electric panel.

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.

2-3. 2-HEATING CIRCUITS

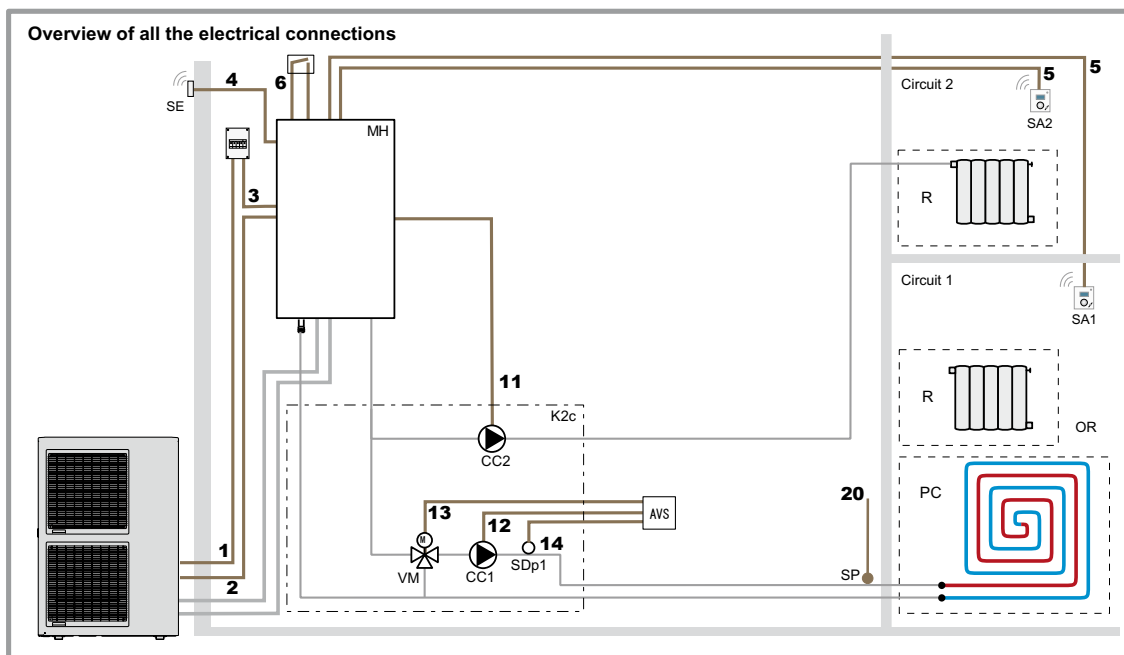
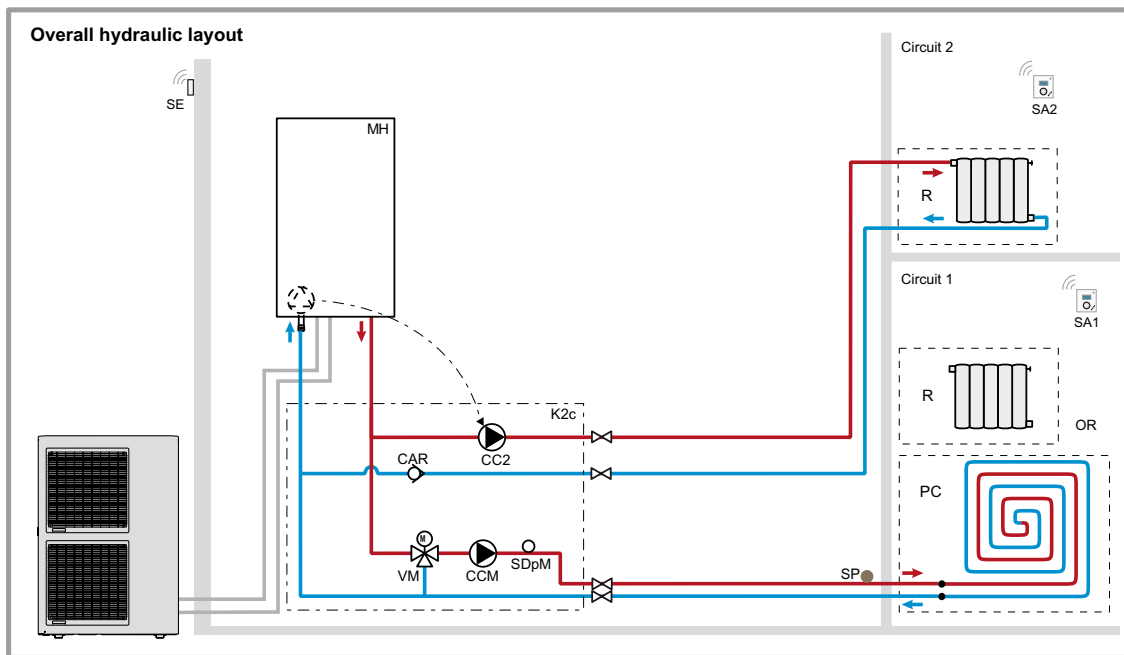
■ SPLIT TYPE (WS*A***DA, WS*G***DB6, WS*K***DA9)



Legend

CAR - Non-return valve	R - Radiators (or fan convectors)	SDp1 - Flow sensor, Circuit 1
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)	VM1 - Mixer valve, Circuit 1
K2c - 2nd circuit kit	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.		
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 heat pump's regulator.		
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.		

■ SPLIT TYPE (WS*G***DC6, WS*K***DC9)



Legend

AVS - Regulation extension kit

CAR - Non-return valve

CC1 - Heating circulation pump, Circuit 1

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 heat pump's regulator.

11- Circulation pump HC2

12- Connect the circulation pump HC1 to the regulation extension kit.

13- Connect the mixer valve to the regulation extension kit.

14- Connect the flow sensor circuit1 to the regulation extension kit.

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.

PC - Floor heating system

R - Radiators

SA1 - Room thermostat, Circuit CC1 (option)

SA2 - Room thermostat, Circuit CC2 (option)

SDp1 - Flow sensor, Circuit 1

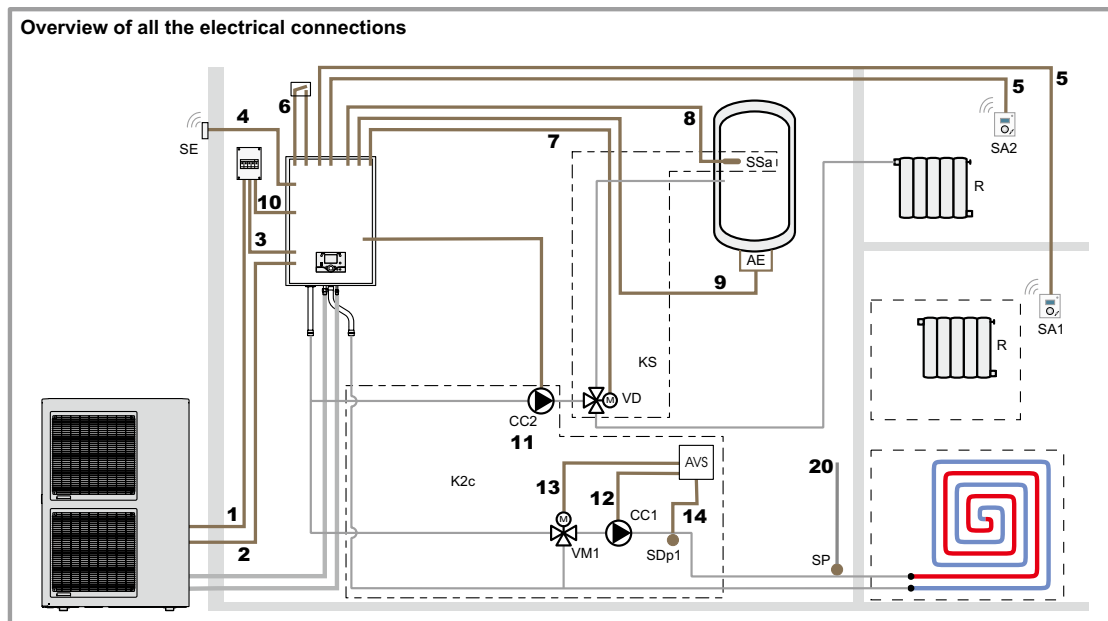
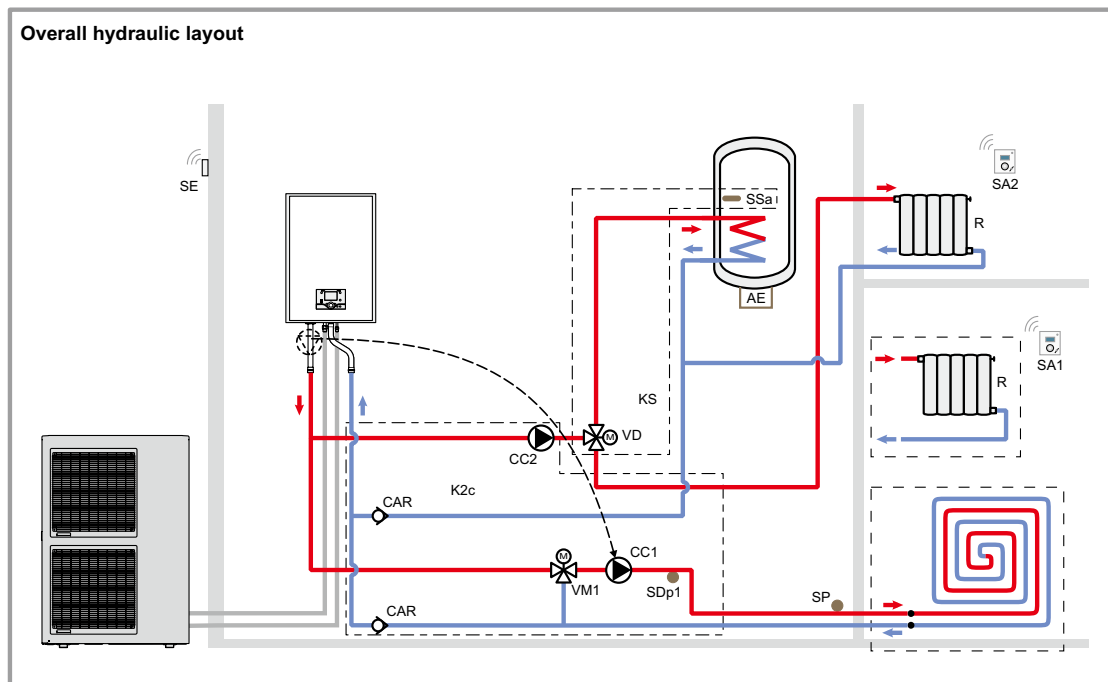
SE - Outdoor sensor

SP - Heated floor thermal safety fuse

VM - Mixer valve

2-4. 2-HEATING CIRCUITS AND DHW TANK

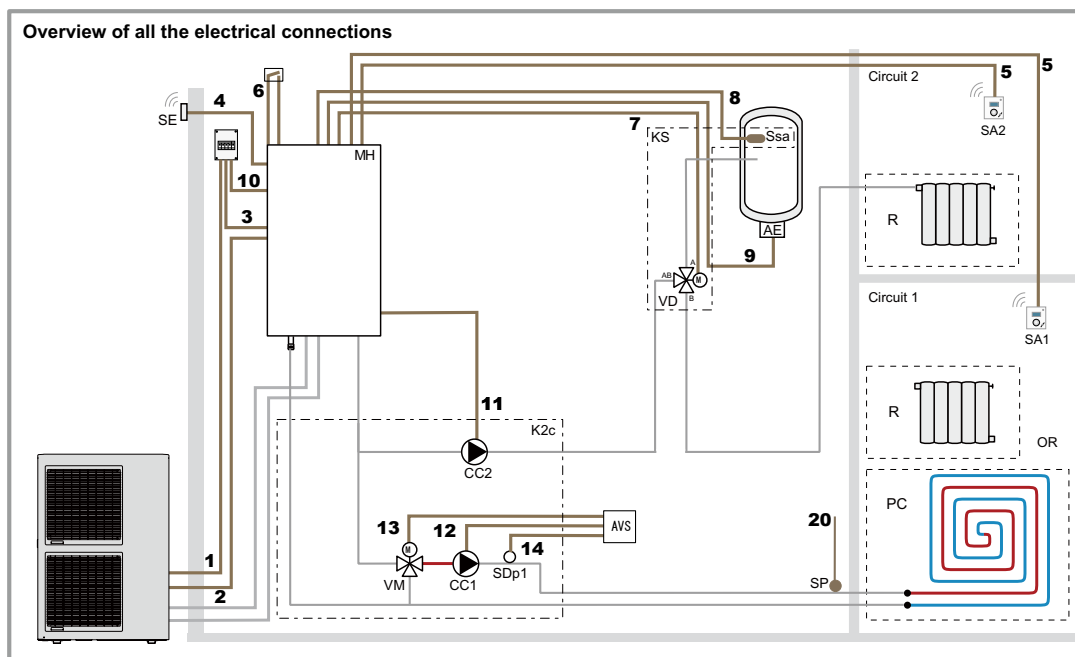
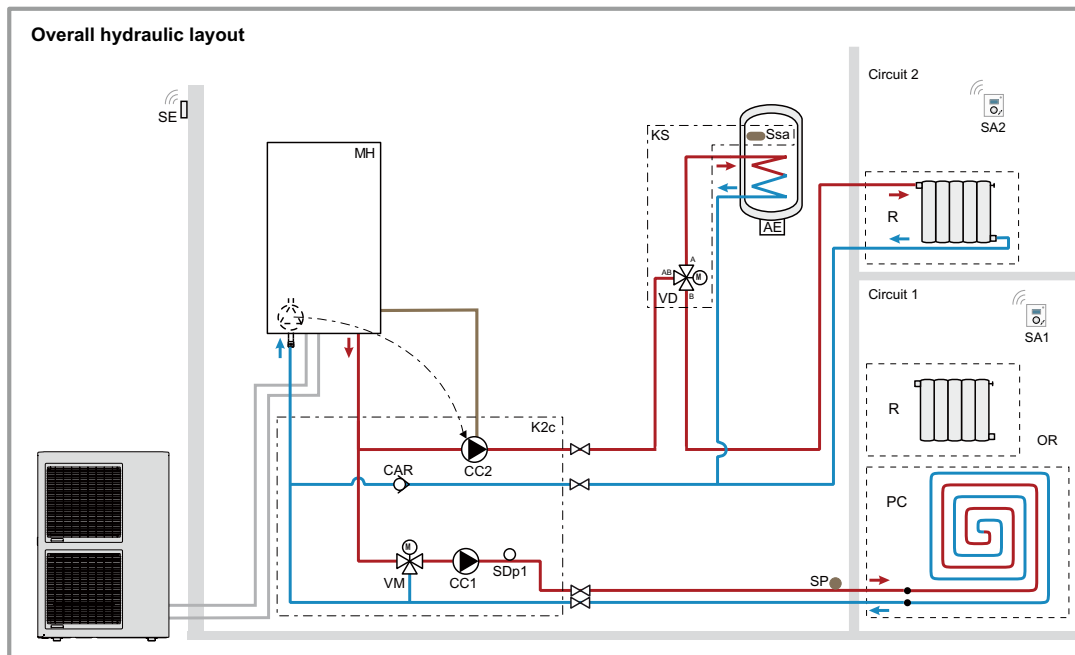
■ SPLIT TYPE (WS*A***DA, WS*G***DB6, WS*K***DA9)



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 heat pump's regulator.		
7- Connect the directional valve to the heat pump's regulator.		
8- Connect the domestic water sensor to the heat pump's regulator.		
9- Connect the back-up resistance to the electrical 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.		

■ SPLIT TYPE (WS*G***DC6, WS*K***DC9)

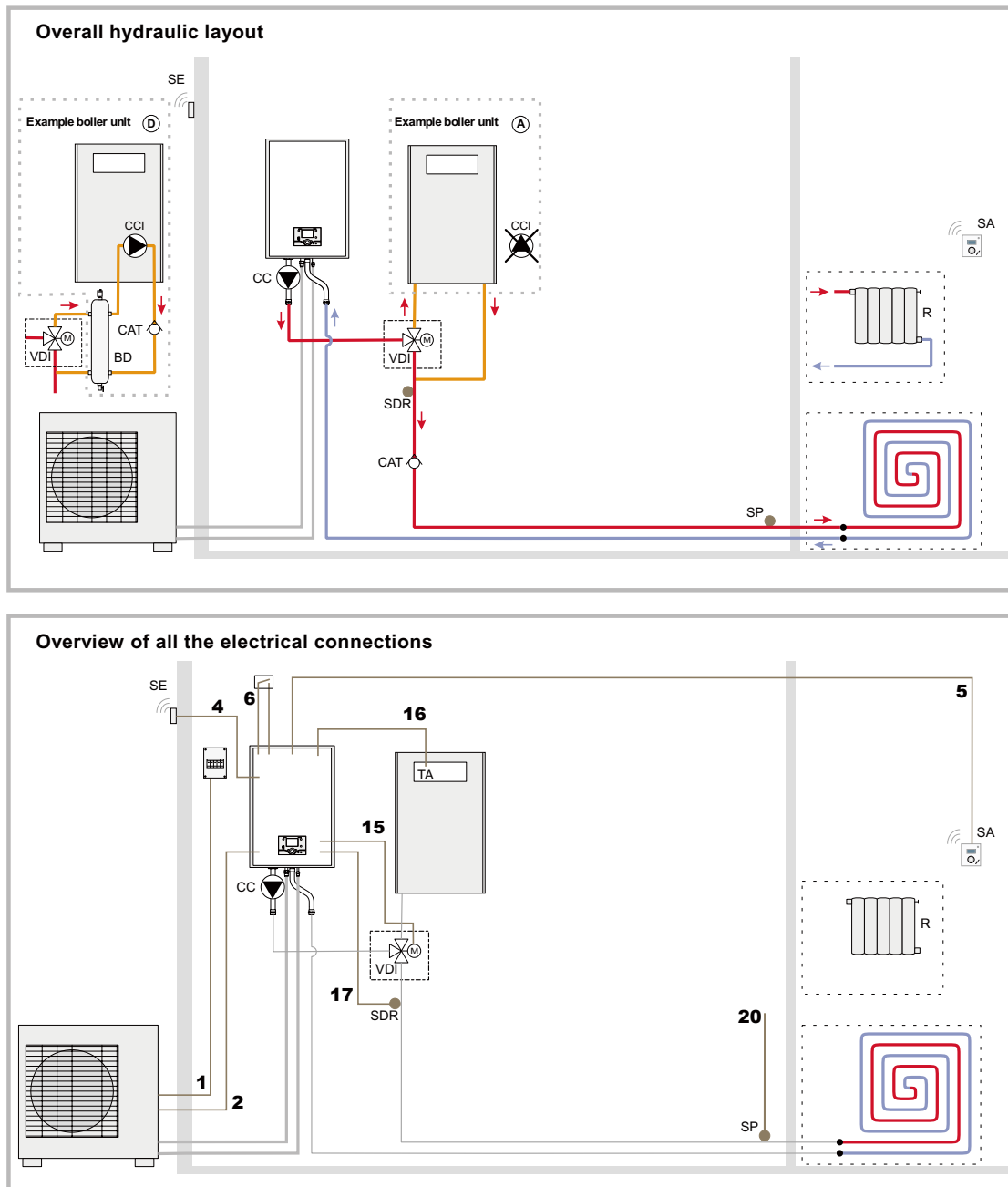


Legend

- | | | |
|--|--|--|
| AE - Electric back-up | KS - DHW kit | SSa - DHW sensor |
| AVS - Regulation extension kit | MH - Indoor unit | SE - Outdoor sensor |
| CAR - Non-return valve | PC - Floor heating system | TA - Boiler thermostat |
| CC1 - Heating circulation pump, Circuit 1 | R - Radiators | SP - Heated floor thermal safety fuse |
| CC2 - Heating circulation pump, Circuit 2 | SA1 - Room thermostat, Circuit 1 (option) | VD - Distribution valve |
| K2c - 2nd circuit kit | SA2 - Room thermostat, Circuit 2 (option) | VM - Mixer valve |
| KR - Boiler connection kit | SDp1 - Flow sensor, 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.
 - 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 heat pump's regulator.
 - 7- Connect the directional valve to the heat pump's regulator.
 - 8- Connect the domestic water sensor to the heat pump's regulator.
 - 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- Connect the circulation pump HC1 to the regulation extension kit.
 - 13- Connect the mixer valve to the regulation extension kit.
 - 14- Connect the flow sensor circuit1 to the regulation extension kit.
 - 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

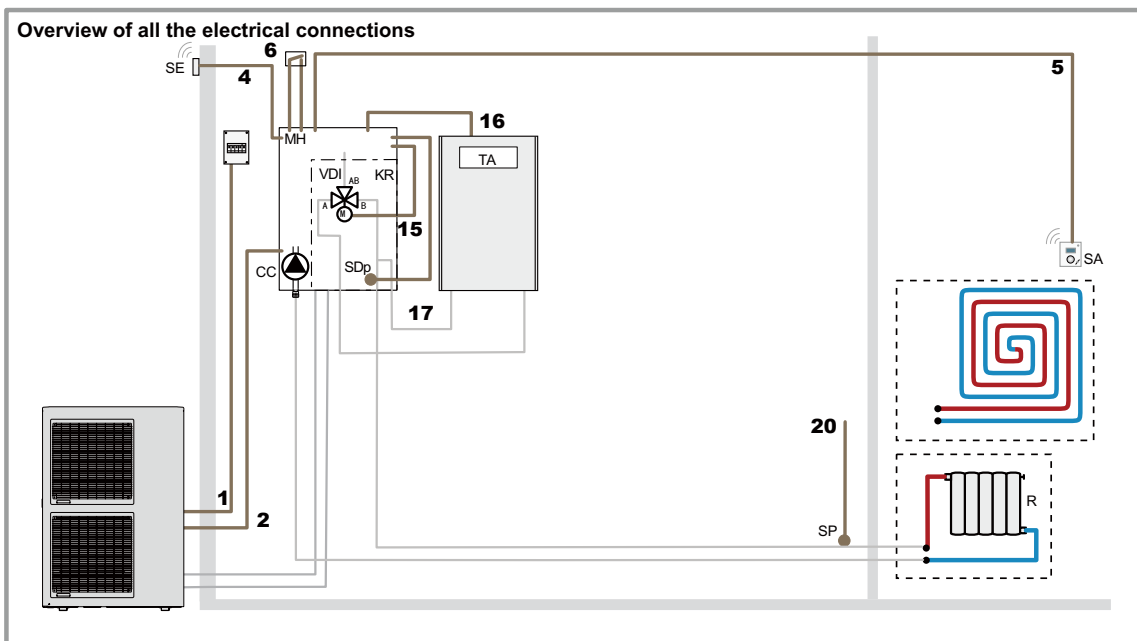
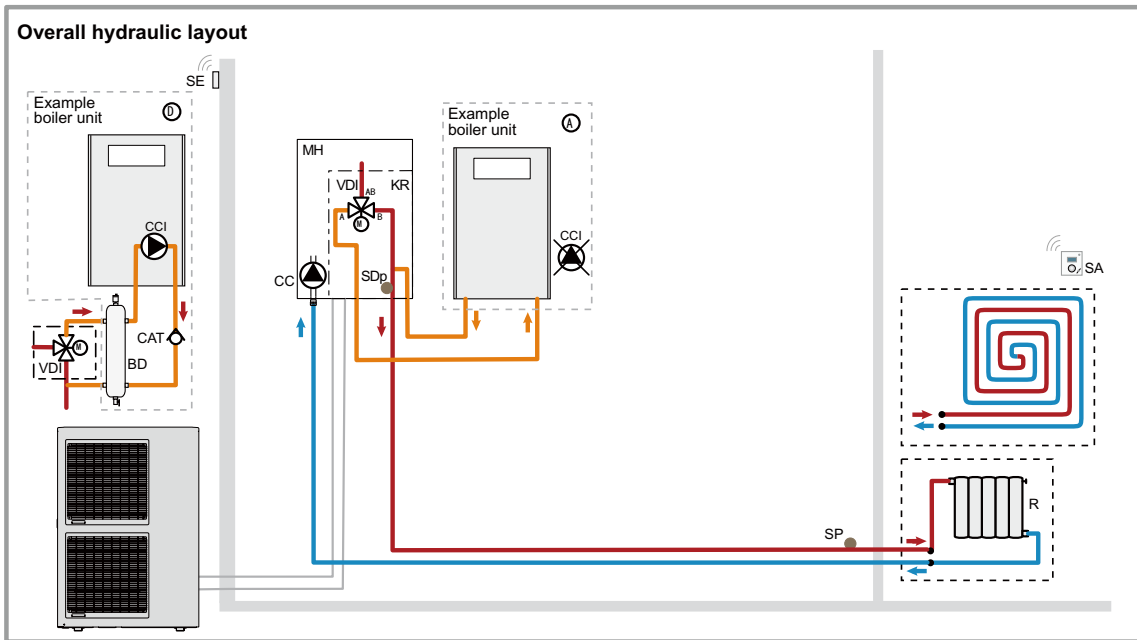
■ SPLIT TYPE (WS*A***DA, WS*G***DB6, WS*K***DA9)



Legend

- | | | |
|--|--|--|
| BD - Disconnection bottle | SA - Room thermostat (option) | TA - Boiler room thermostat terminals |
| CAT - Anti-gravity feed valve | SE - Outdoor 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 heat pump's regulator.
 - 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 regulator.
 - 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.

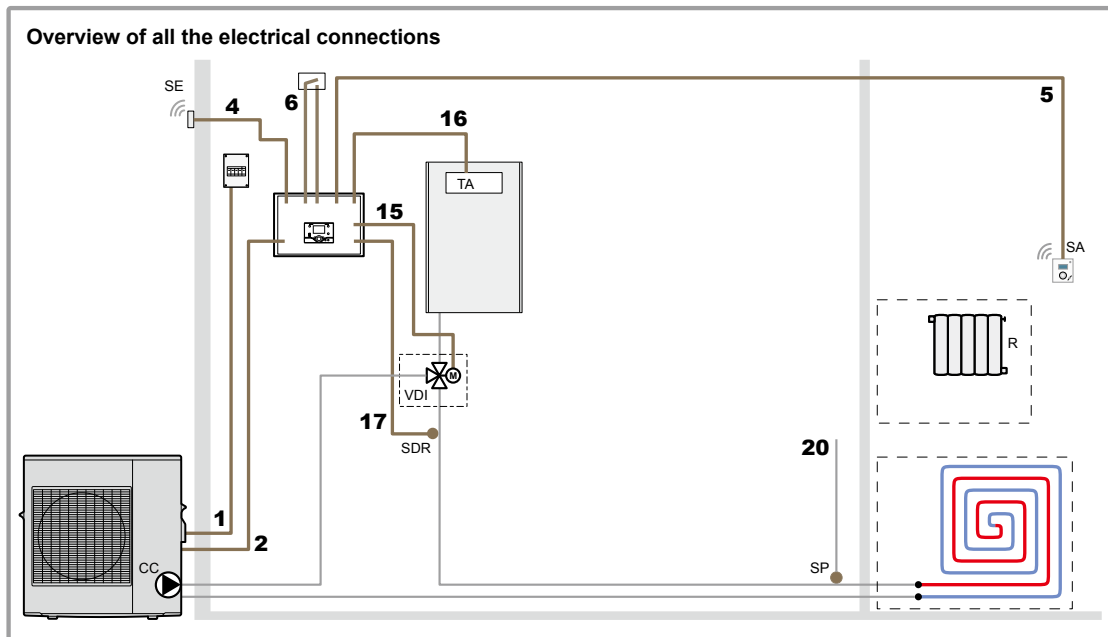
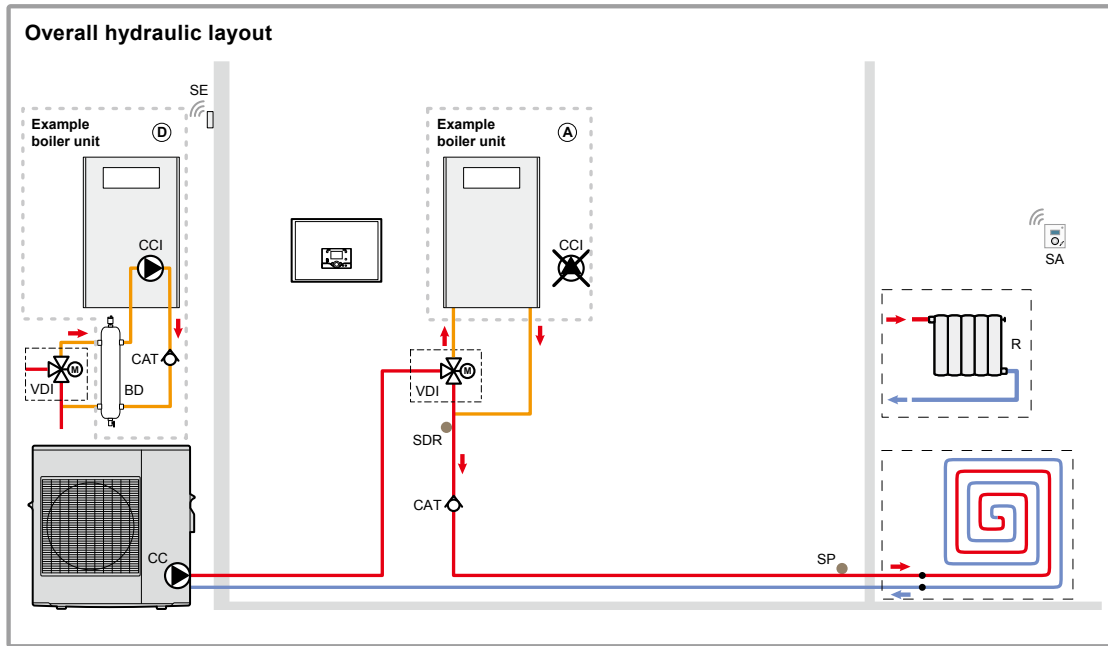
■ SPLIT TYPE (WS*G***DC6, WS*K***DC9)



Legend

- | | | |
|--|--|--|
| BD - Disconnection bottle | MH - Indoor unit | SP - Heated floor thermal safety fuse |
| CAT - Anti-gravity feed valve | R - Radiators (or fan convectors) | TA - Boiler room thermostat terminals |
| CCI - Heating system circulation pump built into the boiler | SA - Room thermostat or Roomcontrol unit (option) | VDI - Distribution valve (deviation boiler) |
| CC - Heating circulation pump | SE - Outdoor sensor | |
| KR - Boiler connection kit | SDp - 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 heat pump's regulator.
 15- Connect the distribution valve to the heat pump's regulator.
 16- Connect the boiler control to the heat pump's regulator.
 17- Flow sensor("connection"position).
 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 TYPE

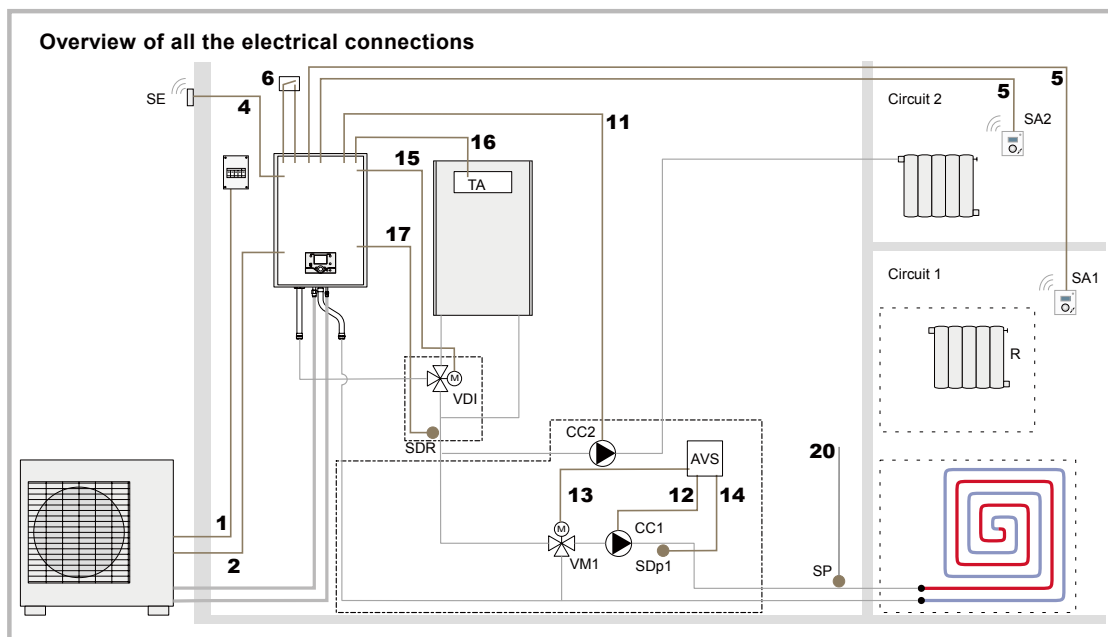
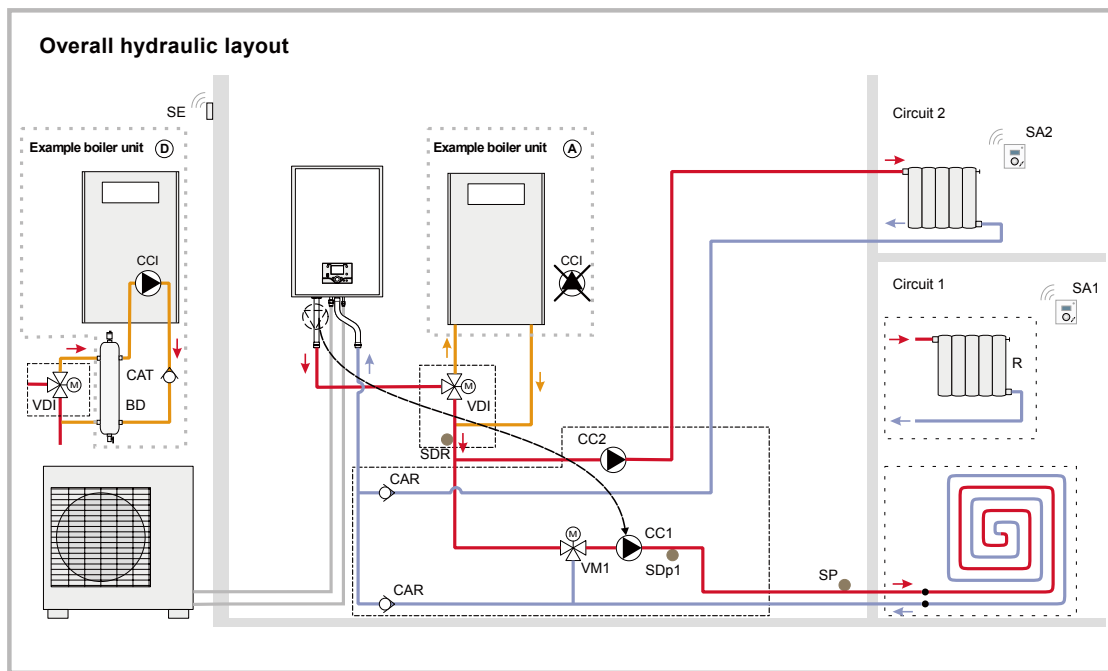


Legend

- | | | |
|--|--|--|
| BD - Disconnection bottle | SA - Room thermostat (option) | TA - Boiler room thermostat terminals |
| CAT - Anti-gravity feed valve | SE - Outdoor 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 heat pump's regulator.
 - 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 regulator.
 - 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.

2-6. BOILER CONNECTION AND 2-HEATING CIRCUITS

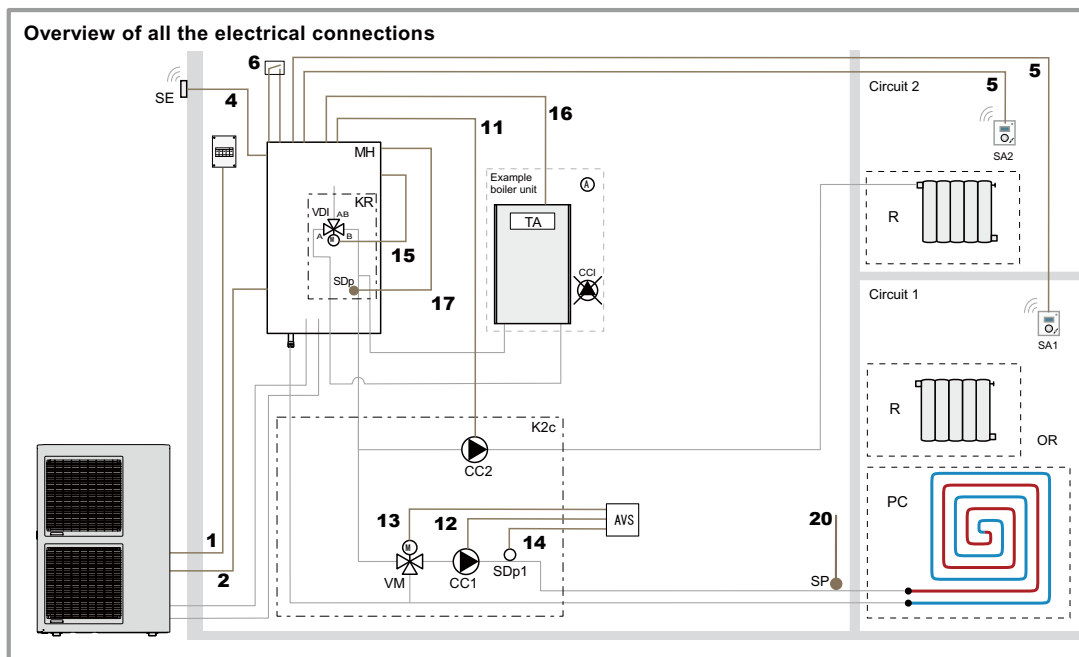
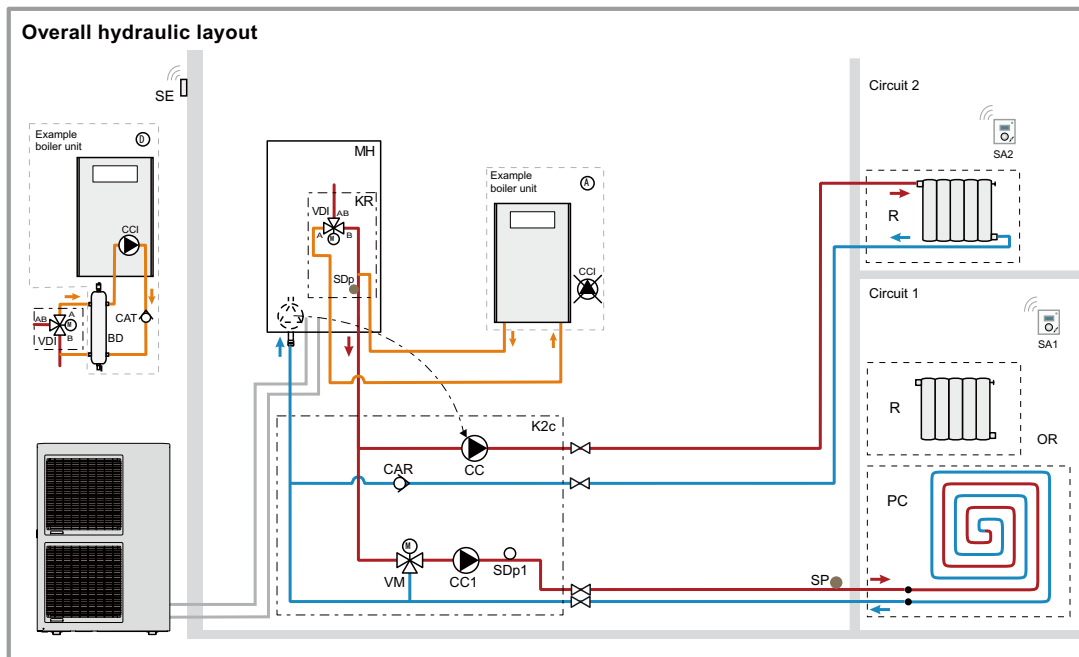
■ SPLIT TYPE (WS*A***DA, WS*G***DB6, WS*K***DA9)



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 - Outdoor 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 heat pump's regulator.
 - 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 regulator.
 - 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.

■ SPLIT TYPE (WS*G***DC6, WS*K***DC9)

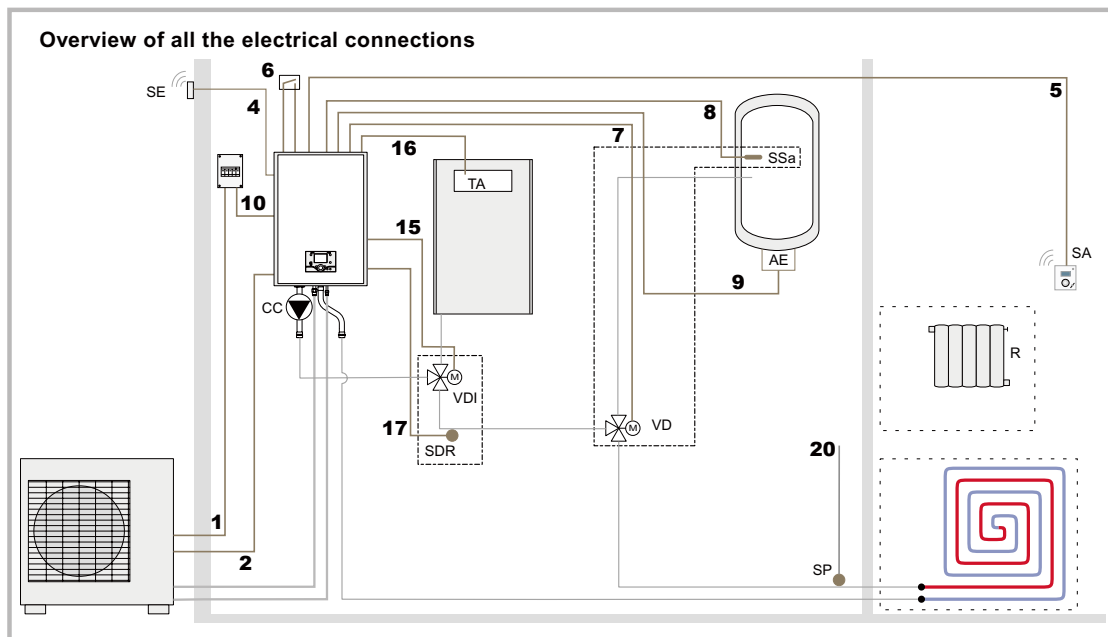
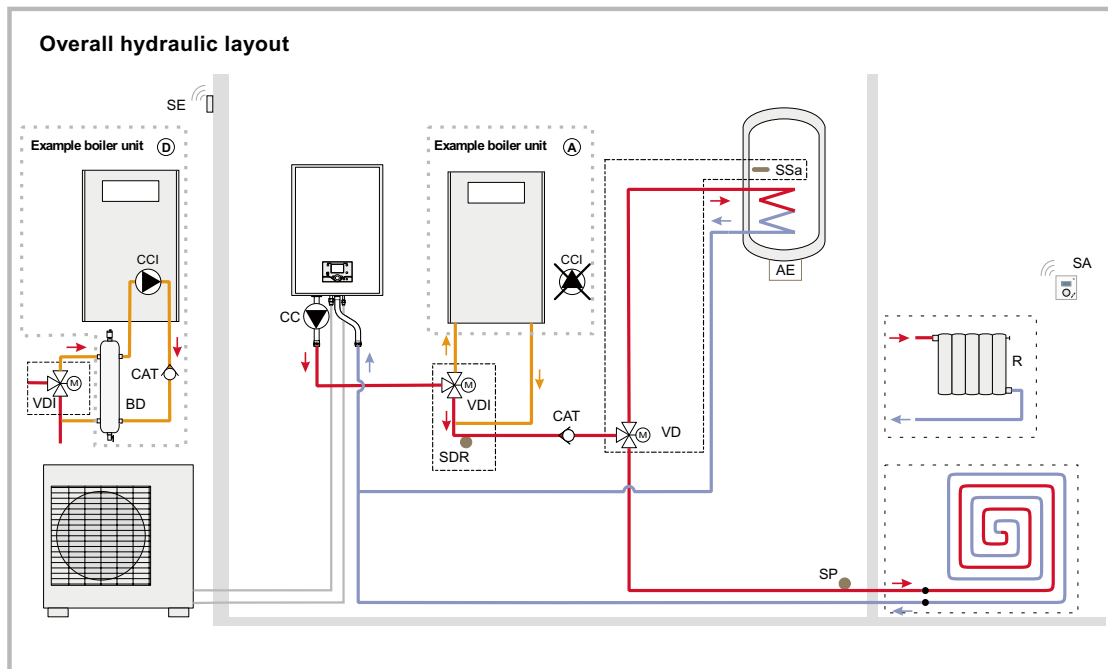


Legend

- | | | |
|--|---|--|
| AVS - Regulation extension kit | K2c - 2nd circuit kit | SDp1 - Flow sensor circuit 1 |
| BD - Disconnection bottle | KR - Boiler connection kit | SDp - Flow sensor |
| CAR - Non-return valve | MH - Indoor unit | SE - Outdoor sensor |
| CAT - Anti-gravity feed valve | PC - Floor heating system | TA - Boiler thermostat |
| CCI - Heating system circulation pump built into the boiler | R - Radiators | SP - Heated floor thermal safety fuse |
| CC1 - Heating circulation pump circuit 1 | SA1 - Room thermostat circuit 1 (option) | VDI - Distribution valve (deviation boiler) |
| CC2 - Heating circulation pump circuit 2 | SA2 - Room thermostat circuit 2 (option) | VM - Mixer 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.
 - 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 regulator.
 - 11- Circulation pump HC2
 - 12- Connect the circulation pump HC1 to the regulation extension kit.
 - 13- Connect the mixer valve to the regulation extension kit.
 - 14- Connect the flow sensor circuit1 to the regulation extension kit.
 - 15- Connect the distribution valve to the heat pump's regulator.
 - 16- Connect the boiler control to the heat pump's regulator.
 - 17- Flow sensor("connection"position).
 - 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

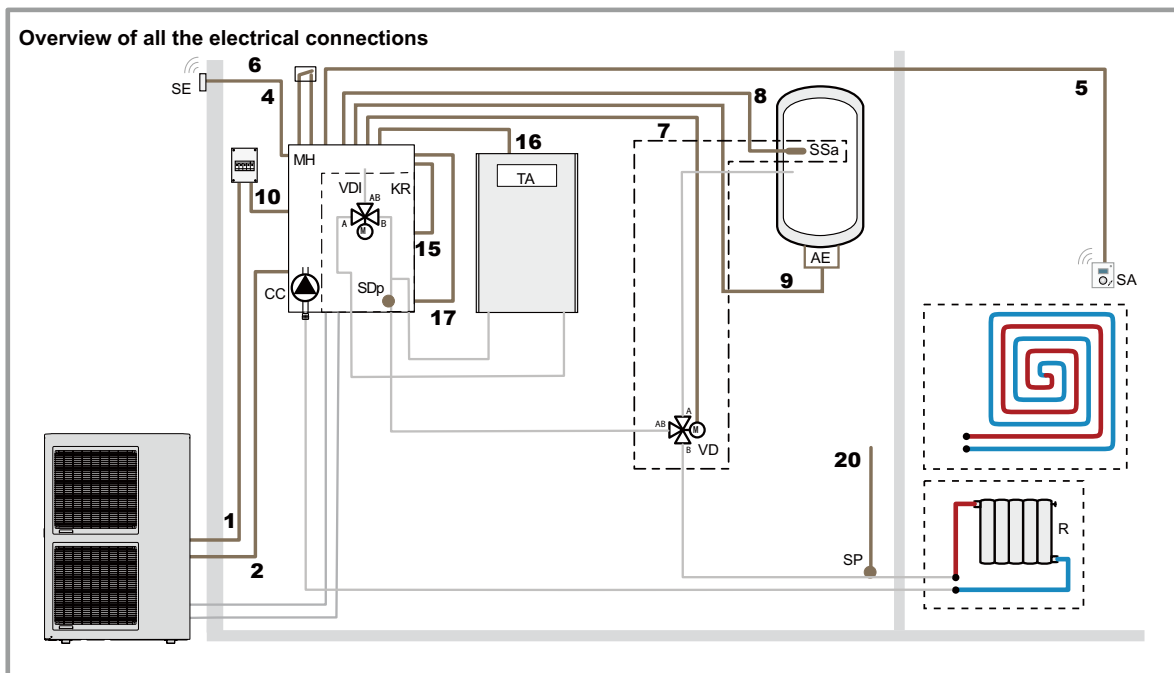
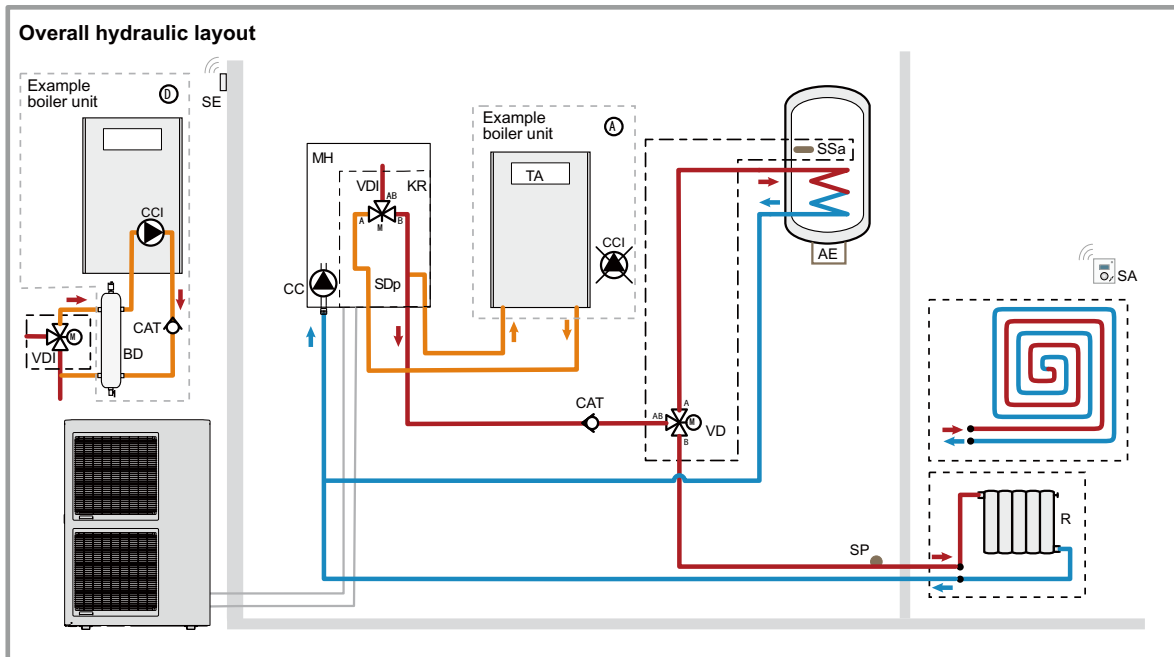
■ SPLIT TYPE (WS*A***DA, WS*G***DB6, WS*K***DA9)



Legend

- | | | |
|--|--|--|
| AE - Electric back-up | SA - Room thermostat (option) | TA - Boiler room thermostat terminals |
| BD - Disconnection bottle | SE - Outdoor 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 heat pump's regulator.
 - 7- Connect the directional valve to the heat pump's regulator.
 - 8- Connect the domestic water sensor to the heat pump's regulator.
 - 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 regulator.
 - 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.

■ SPLIT TYPE (WS*G***DC6, WS*K***DC9)

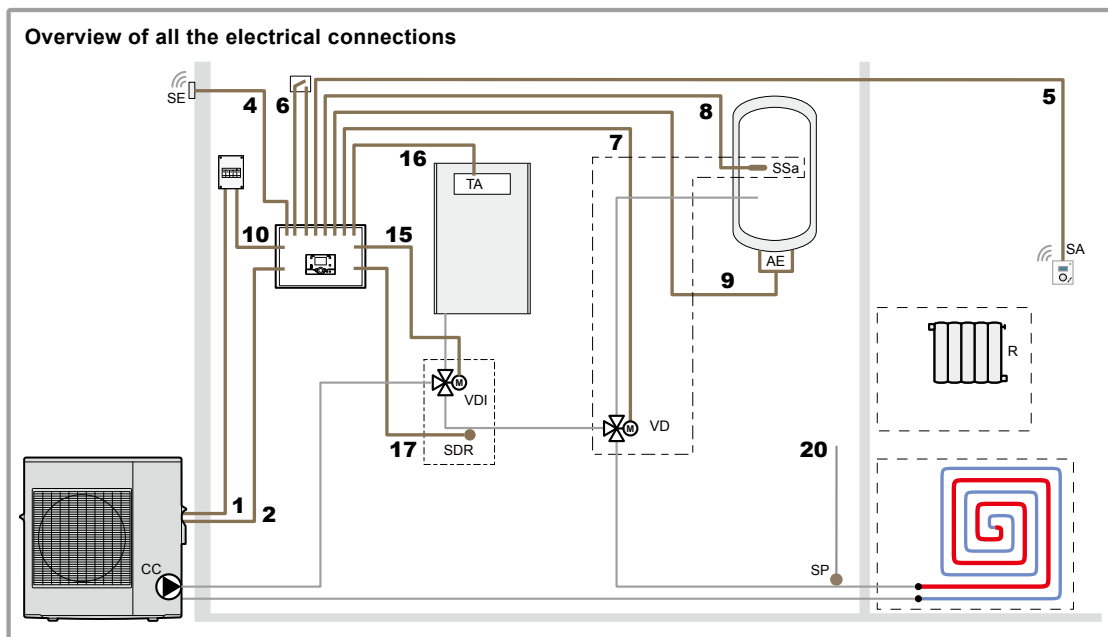
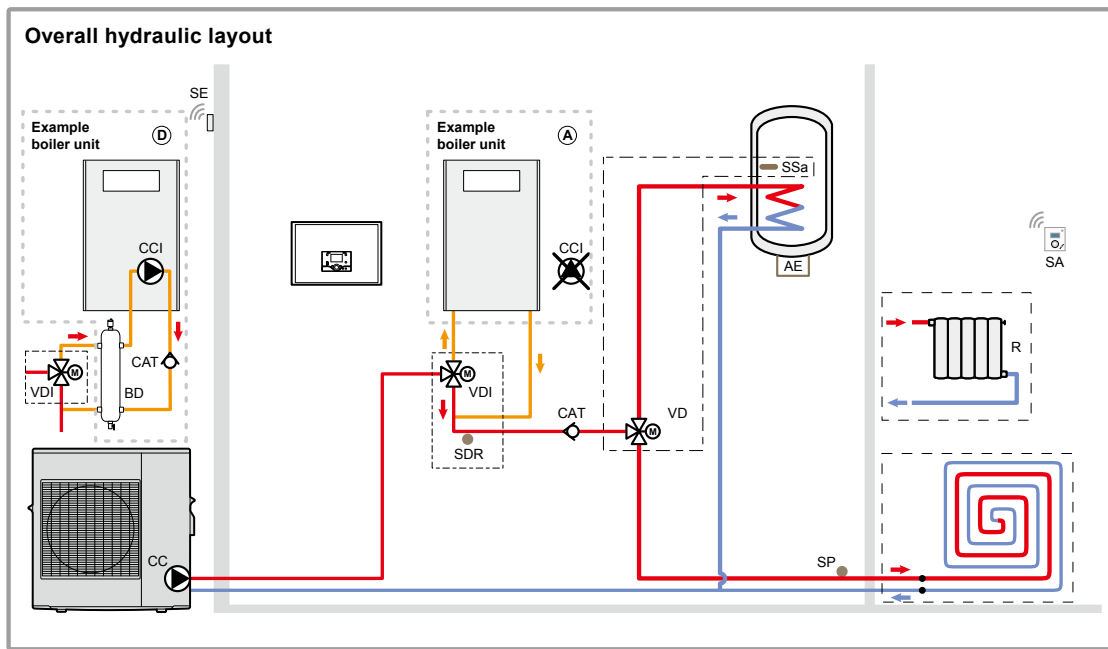


Legend

AE - Electric back-up	MH - Indoor unit	SSa - DHW sensor
BD - Disconnection bottle	R - Radiators (or fan convectors)	SP - Heated floor thermal safety fuse
CAT - Anti-gravity feed valve	SA - Room thermostat or Room control unit (option)	TA - Boiler room thermostat terminals
CCI - Heating system circulation pump built into the boiler	SE - Outdoor sensor	VD - Distribution valve
CC - Heating circulation pump	SDp - Flow sensor	VDI - Distribution valve (deviation boiler)
KR - Boiler connection 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.
- 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 regulator.
- 7- Connect the directional valve to the heat pump's regulator.
- 8- Connect the domestic water sensor to the heat pump's regulator.
- 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 heat pump's regulator.
- 16- Connect the boiler control to the heat pump's regulator.
- 17- Flow sensor("connection"position).
- 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 TYPE

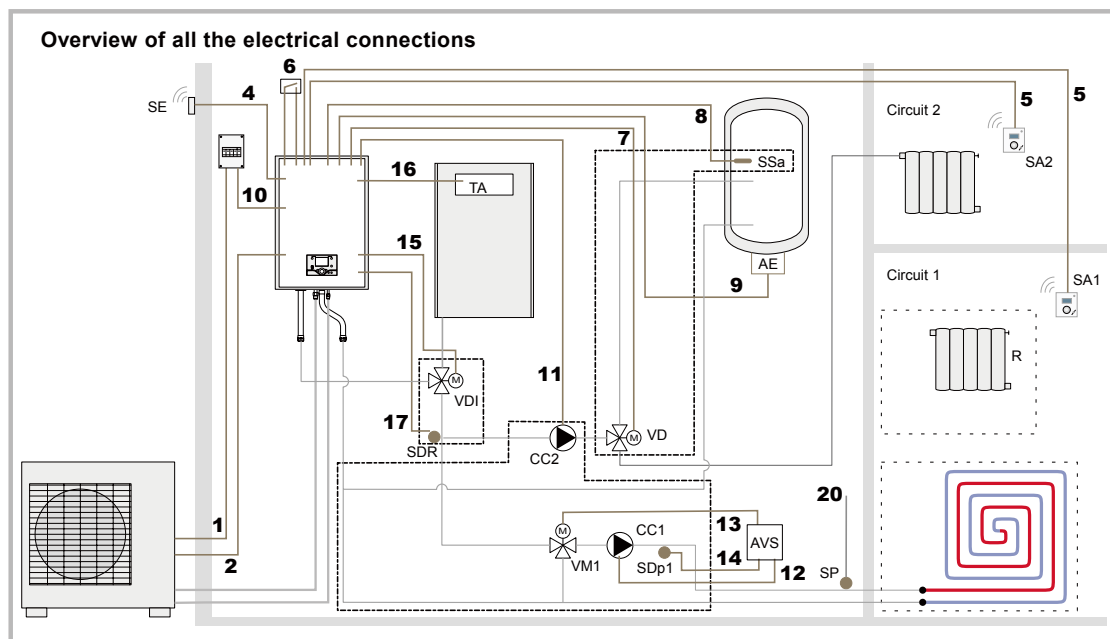
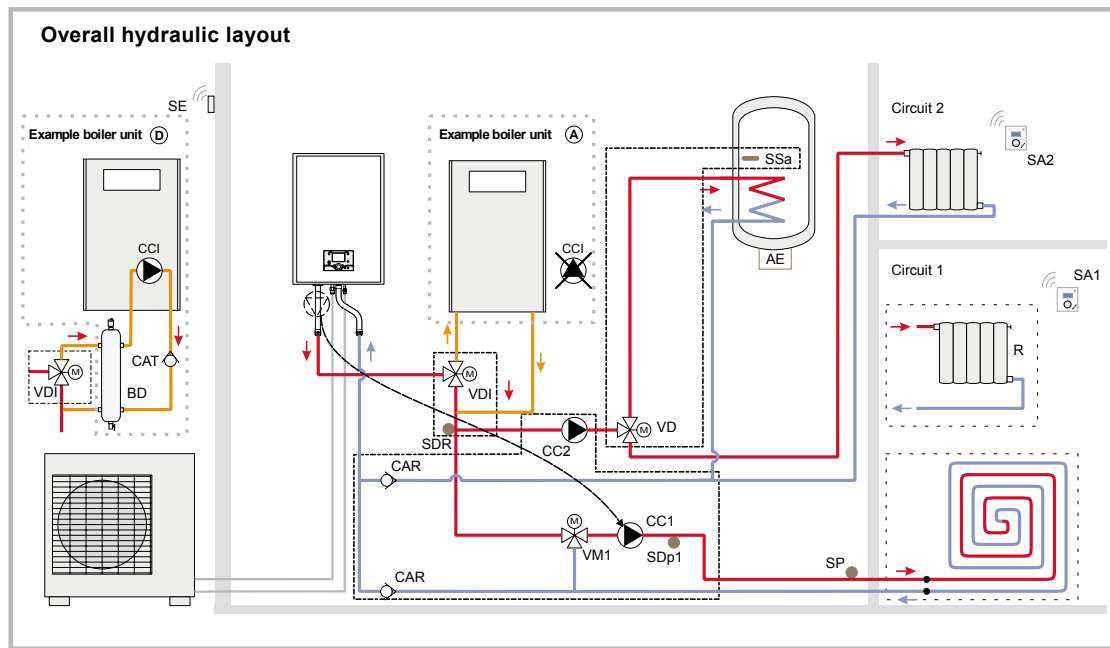


Legend

- | | | |
|--|--|--|
| AE - Electric back-up | SA - Room thermostat (option) | TA - Boiler room thermostat terminals |
| BD - Disconnection bottle | SE - Outdoor 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 heat pump's regulator.
 - 7- Connect the directional valve to the heat pump's regulator.
 - 8- Connect the domestic water sensor to the heat pump's regulator.
 - 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 regulator.
 - 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

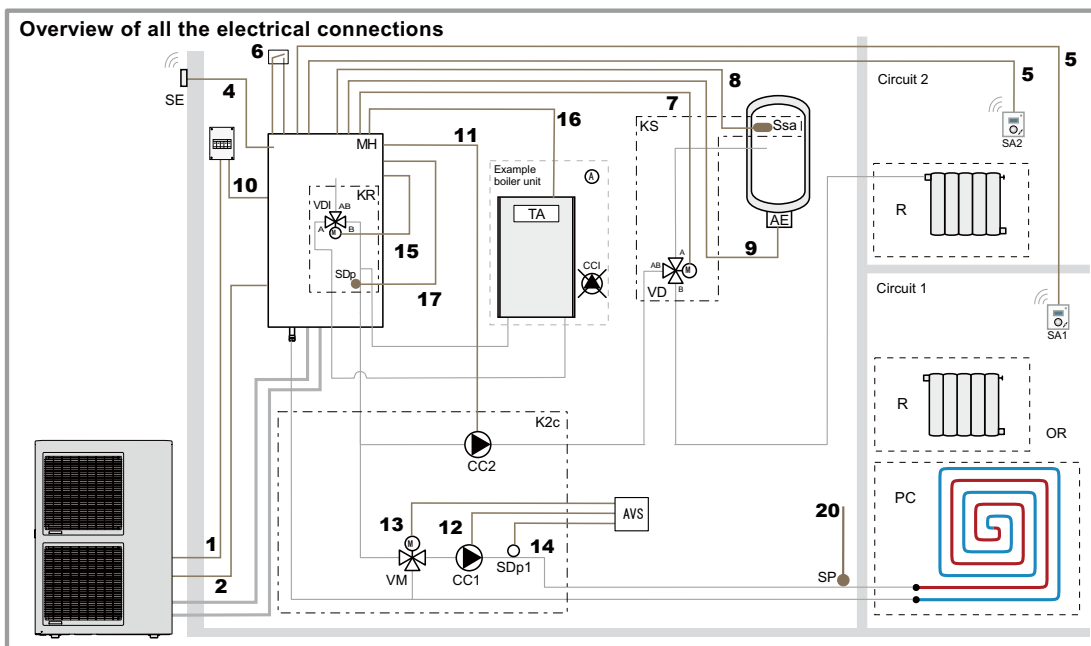
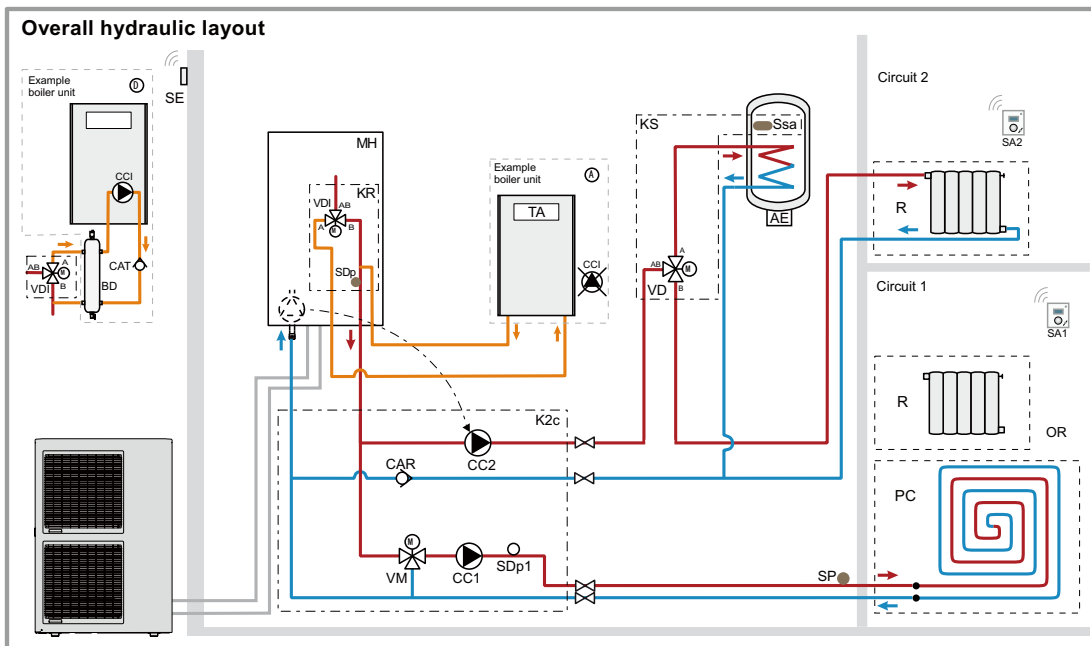
■ SPLIT TYPE (WS*A***DA, WS*G***DB6, WS*K***DA9)



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 - Outdoor 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 heat pump's regulator.
 - 7- Connect the directional valve to the heat pump's regulator.
 - 8- Connect the domestic water sensor to the heat pump's regulator.
 - 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 regulator.
 - 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.

■ SPLIT TYPE (WS*G***DC6, WS*K***DC9)



Legend

AE - Electric back-up	MH - Indoor unit	SE - Outdoor sensor
AVS - Regulation extension kit	PC - Floor heating system	SP - Heated floor thermal safety fuse
CAR - Non-return valve	R - Radiators	TA - Boiler thermostat
CC1 - Heating circulation pump circuit 1	SA1 - Room thermostat circuit 1 (option)	VD - Distribution valve
CC2 - Heating circulation pump circuit 2	SA2 - Room thermostat circuit 2 (option)	VDI - Distribution valve (deviation boiler)
K2c - 2nd circuit kit	SDp1 - Flow circuit1	VM - Mixer valve
KR - Boiler connection kit	SDp - Flow sensor	
KS - DHW kit	SSa - DHW 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 heat pump's regulator.		
7- Connect the directional valve to the heat pump's regulator.		
8- Connect the domestic water sensor to the heat pump's regulator.		
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- Connect the circulation pump HC1 to the regulation extension kit.	
13- Connect the mixer valve to the regulation extension kit.	14- Connect the flow sensor circuit1 to the regulation extension kit.	
15- Connect the distribution valve to the heat pump's regulator.	16- Connect the boiler control to the heat pump's regulator.	
17- Flow sensor("connection" position).		
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.		