



OPTIONAL PARTS

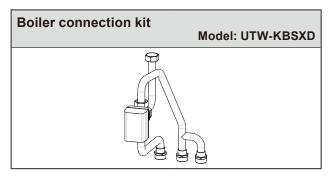
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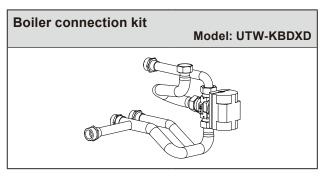
OPTIONAL PARTS

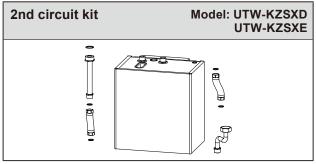
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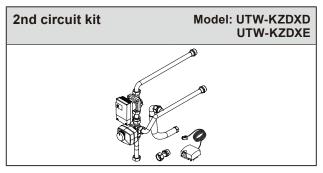
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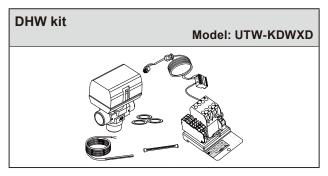
1-1. LIST

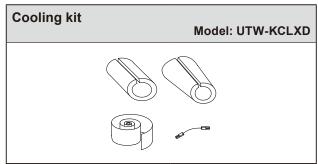


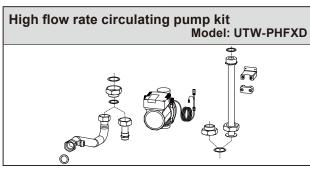


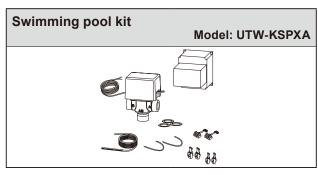


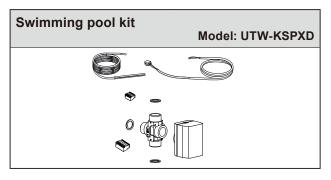




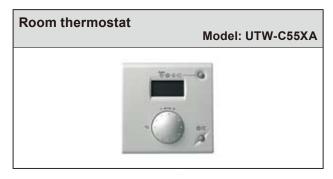


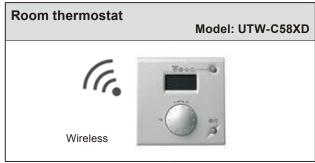






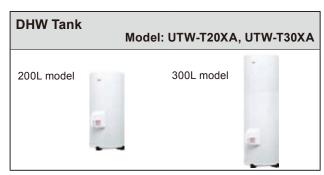


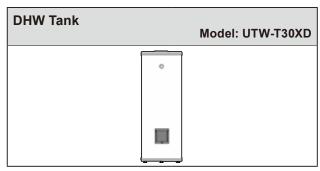


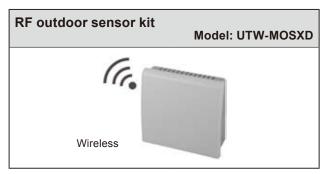




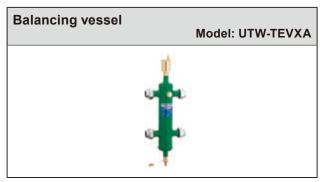


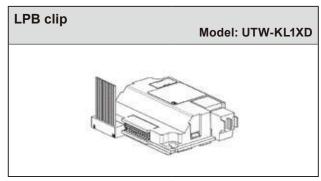


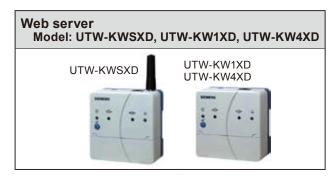


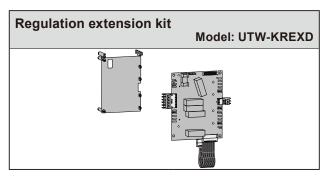


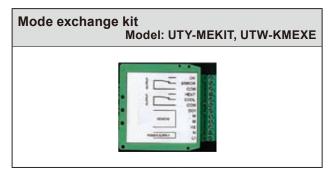




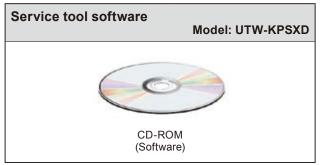


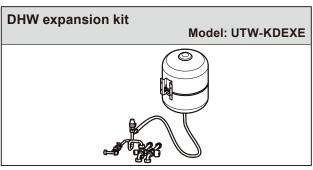


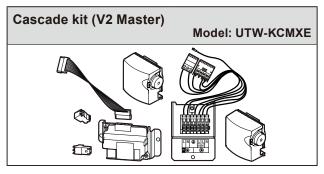


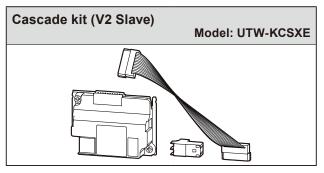


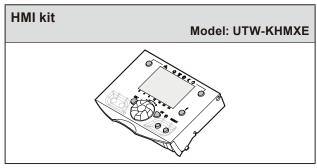


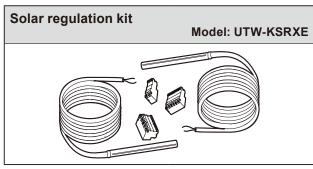


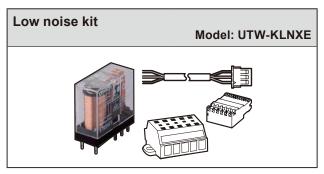


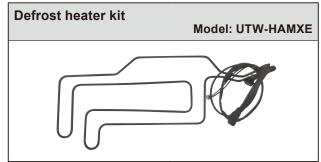


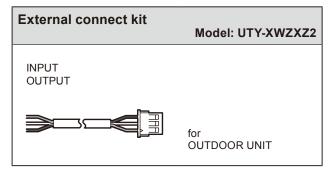












1-2. CONNECTION LIST

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

	●: Available, —: Not available, O: Standard equipment									
>	Optional parts		Split type			Monobloc type		Split integrated DHW type		
Unit category			Single phase type type		3 phase type	Single phase		Single phase type		3 phase type
	Names	Model	Comfort series High pow		er series	Comfor	t series	Comfort series	High pov	ver series
			050DD6	140DC6	160DC9	080LA	080LE	050DD6		160DD9
			100DD6	140006	1600009	100LA	100LE	100DD6	140DD6	160009
	Boiler connection kit	UTW-KBSXD	•	•	•	_	_	_	_	_
		UTW-KBDXD	_	_	_	_	_	•	•	•
	2nd circuit kit	UTW-KZSXD UTW-KZSXE	•	•	•	_	_	_	_	_
	Zila diredit kit	UTW-KZDXD UTW-KZDXE	_	_	_	_	_	•	•	•
	DHW kit	UTW-KDWXA	_	_	_	•	•	0	0	0
	Ditti tit	UTW-KDWXD	•	•	•	_	_	0	0	0
	Cooling kit	UTW-KCLXD	•	•	•	0	0	•	•	•
	High flow rate circulating pump kit	UTW-PHFXD	_	•	•	_	_	_	•	•
	Swimming pool kit	UTW-KSPXA	•	•	•	•	•	•	•	•
		UTW-KSPXD	•	•	•	_	_	•	•	•
	Heat exchanger for Swimming pool	UTW-ESPXA	•	•	•	•	•	•	•	•
	Room thermostat	UTW-C55XA	•	•	•	•	•	•	•	•
Ħ		UTW-C58XD	•	•	•	•	•	•	•	•
DRAULIC UNIT	Remote control	UTW-C75XA UTW-C75XA-E	•	•	•	•	•	•	•	•
JRAU		UTW-C78XD UTW-C78XD-E	•	•	•	•	•	•	•	•
H	DHW Tank	UTW-T20XA UTW-T30XA	•	•	•	•	•	0	0	0
		UTW-T30XD	•	•	•	•	•	0	0	0
	RF outdoor sensor kit	UTW-MOSXD	•	•	•	•	•	•	•	•
	RF module	UTW-M60XD	•	•	•	•	•	•	•	•
		UTW-MRCXD	•	•	•	•	•	•	•	•
	Balancing vessel	UTW-TEVXA	•	•	•	•	•	•	•	•
	LPB clip	UTW-KL1XD	•	•	•	_	_	•	•	•
		UTW-KWSXD	•	•	•	•	•	•	•	•
	Web server	UTW-KW1XD	•	•	•	•	•	•	•	•
		UTW-KW4XD	•	•	•	•	•	•	•	•
	Regulation extension kit	UTW-KREXD	•	•	•	_	_	•	•	•
	Mode exchange kit	UTY-MEKIT	_	_	_	•	•	_	_	_
		UTW-KMEXE	•	•	•	•	•	•	•	•

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

Unit category	Optional parts		Split type			Monobloc type		Split integrated DHW type		
	Names	Model	Single phase type		3 phase type	Single phase		Single phase type		3 phase type
it cat			Comfort series	High pow	er series	Comfort series		Comfort series High pow		ver series
n n			050DD6	140DC6	160DC9	080LA	080LE	050DD6	140DD6	160DD9
			100DD6	140000		100LA	100LE	100DD6		
	Service tool kit	UTW-KSTXD	•	•	•	•	•	•	•	•
	Service tool software	UTW-KPSXD	•	•	•	•	•	•	•	•
	DHW expansion kit	UTW-KDEXE	_	_	_	_	_	•	•	•
TIND	Cascade kit (V2 Master)	UTW-KCMXE		•	•	_	_		_	_
HYDRAULIC	Cascade kit (V2 Slave)	UTW-KCSXE		•	•	_	_		_	_
HYDR	HMI kit	UTW-KHMXE	•	•	•	ı		•	•	•
	Solar regulation kit	UTW-KSRXE	•	•	•	1		_	_	
	Low noise kit	UTW-KLNXE	_	•	•	_	_	_	•	•
	Defrost heater kit	UTZ-HAMXE	_	_	_	•	•	_	_	_

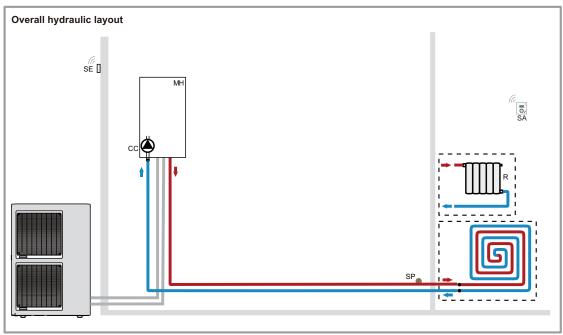
•: Available, —: Not available, O: Standard equipment

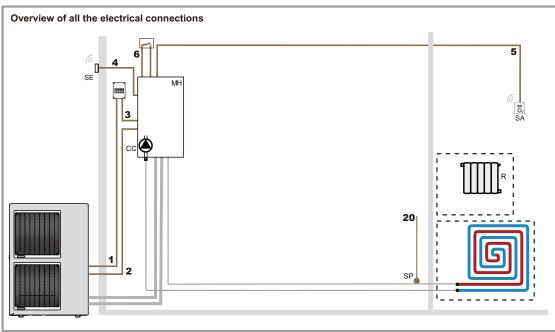
Unit category	Optional parts		Split type			Monobloc type		Split integrated DHW type		
	Names	Model	Single phase type		3 phase type	Single phase		Single phase type		3 phase type
			Comfort series	High power series		Comfort series		Comfort series	High power series	
			060LDC	112LCT	112LCT	080LA	080LE	060LDC	112LCT	112LCT
			080LDC	140LCT	140LCT	100LA	100LE	080LDC	140LCT	140LCT
			100LDT		160LCT			100LDT		160LCT
OUTDOOR UNIT	External connect kit	UTY-XWZXZ2	_	•	•	_	Ι	_	•	•

2. CONNECTION CONFIGURATION EXAMPLE

2-1. 1-HEATING CIRCUIT

■ SPLIT TYPE (WS*A***DD6, WS*G***DC6, WS*K***DC9)





Legend

CC - Heating circulation pump

R - Radiators

SE - Outdoor sensor

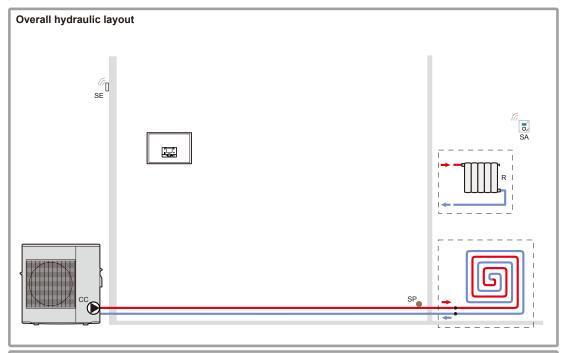
MH - Indoor uni

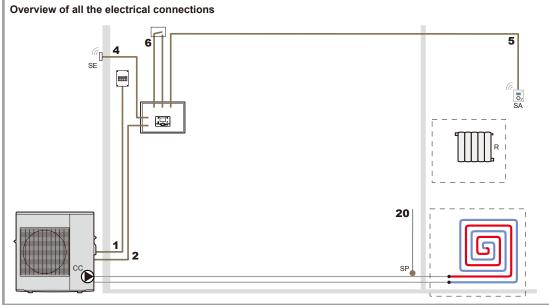
SA - Room thermostat or Room control unit (option)

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





Leaend

CC - Heating circulation pump
R - Radiators (or fan convectors)

SA - Room thermostat (option)

SE - Outdoor sensor

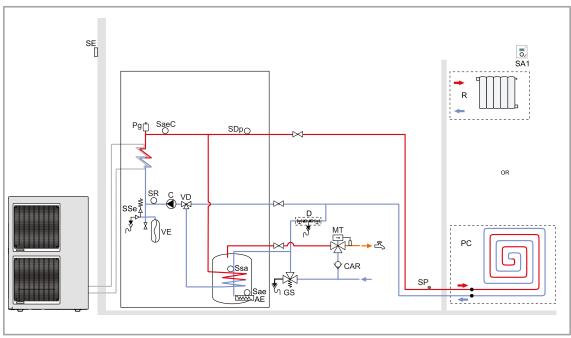
1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)

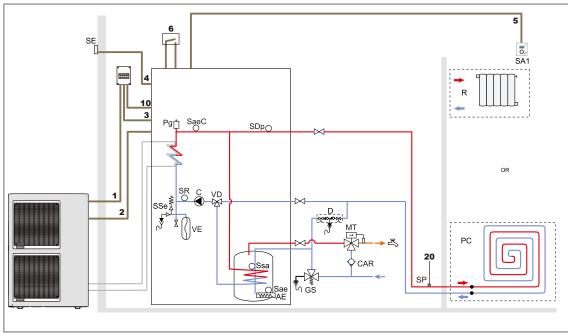
2- Inter-connection between the outdoor unit and the indoor unit.

- 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.

SP - Heated floor thermal safety fuse

■ SPLIT INTEGRATED DHW TYPE (WG*A***DD6, WG*G****DD6, WG*K***DD9)





Legend

AE - Back-up DHW

CAR - Non-return valve

C - Heating circulation pump

D - Shut-off

GS - Safety unit

MT - Thermostatic mixer valve

PC - Floor heating system

PG - Bleeder valve

R - Radiators

SA1 - Room thermostat circuit 1 (Option)

Sae - Temperature safety of domestic electrical back-up

SaeC - Temperature safety (option heating back-up option)

SDp - Flow sensor

SP - Heated floor thermal safety fuse

SR - Return sensor

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.

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 power provider: Connect the "Power Provider" contact to the heat pump's regulator.

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

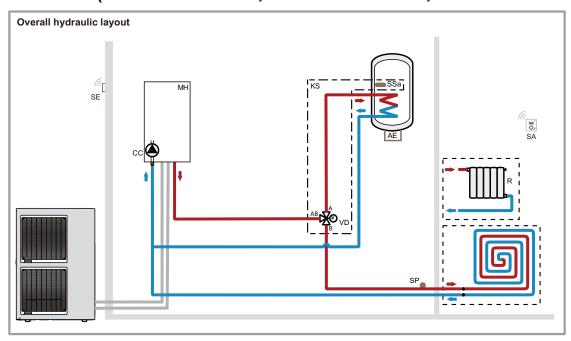
SSe - Safety valve

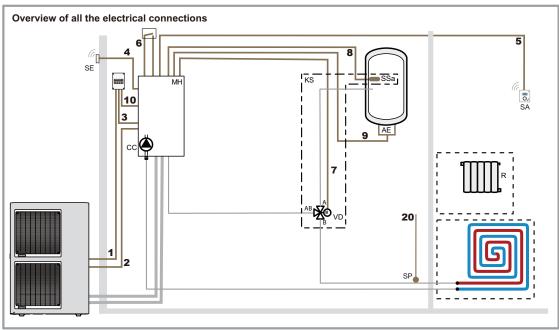
VD - Distribution valve

VE - Expansion vessel

2-2. 1-HEATING CIRCUIT AND DHW TANK

■ SPLIT TYPE (WS*A***DD6, 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

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.

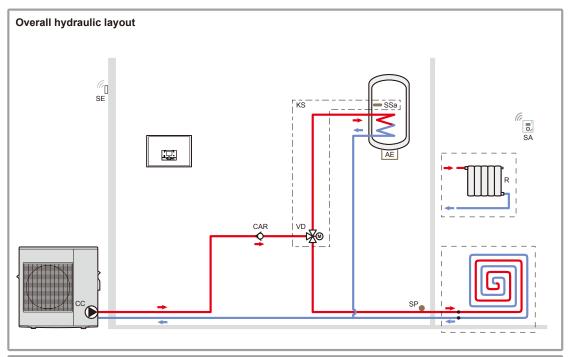
7- Connect the directional valve to the heat pump's regulator.

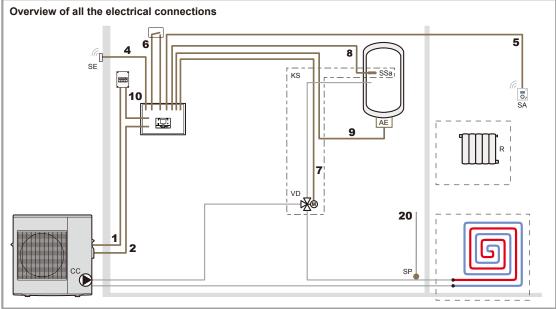
8- Connect the domestic water sensor to the heat pump's regulator.

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.

■ 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

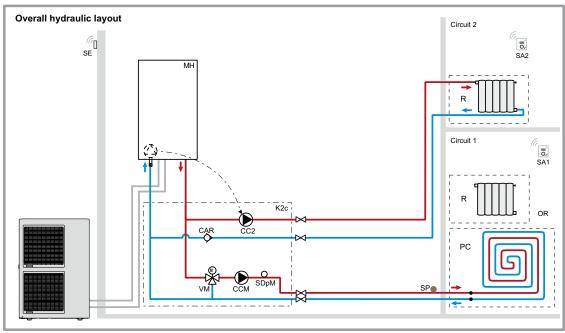
SP - Heated floor thermal safety fuse

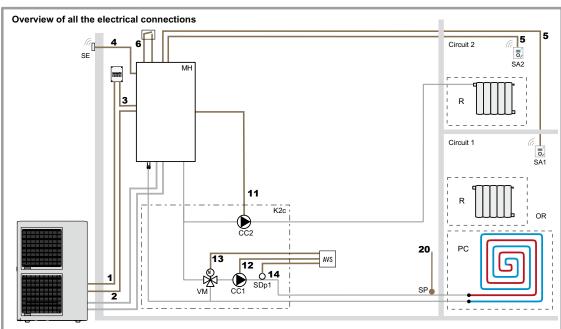
SSa - DHW sensor **VD** - Distribution valve

- 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***DD6, 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

PC - Floor heating system

R - Radiators

SA1 - Room thermostat, Circuit CC1 (option)

SE - Outdoor sensor

VM - Mixer valve

SP - Heated floor thermal safety fuse

SA2 - Room thermostat, Circuit CC2 (option)

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.

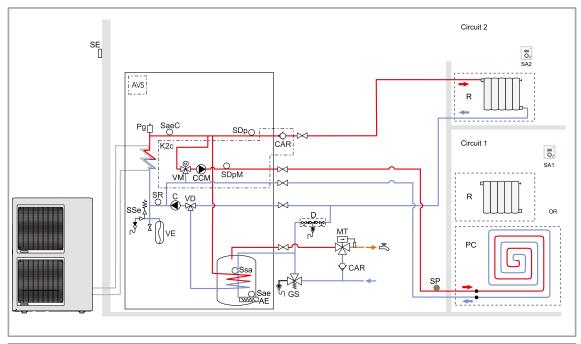
11- Circulation pump HC2

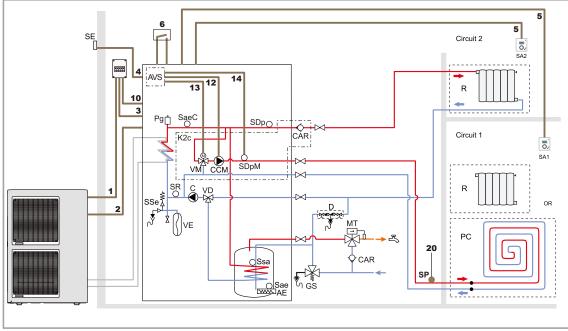
12- Connect the circulation pump HC1 to the regulation extension kit.

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

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

■ SPLIT INTEGRATED DHW TYPE (WG*A***DD6, WG*G****DD6, WG*K***DD9)





Legend

AE - Back-up DHW

AVS - Extension card, 2 circuits

CAR - Non-return valve

C - Heating circulation pump

D - Shut-off

CCM - Mixed-circuit heat pump

GS - Safety unit

K2c - 2nd circuit kit

MT - Thermostatic mixer valve

PC - Floor heating system

PG - Bleeder valve

R - Radiators

SA1 - Room thermostat circuit 1 (Option)

SA2 - Room thermostat circuit 2 (Option)

Sae - Temperature safety of domestic electrical back-up

SaeC - Temperature safety (option heating back-up option)

SDp - Flow sensor

SDpM - Mixed circuit output sensor

SE - Outdoor sensor

SP - Heated floor thermal safety fuse

SR - Return sensor

Ssa - DHW sensor

SSe - Safety valve

VD - Distribution valve

VE - Expansion vessel

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.

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 power provider: Connect the "Power Provider" contact to the heat pump's regulator.

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

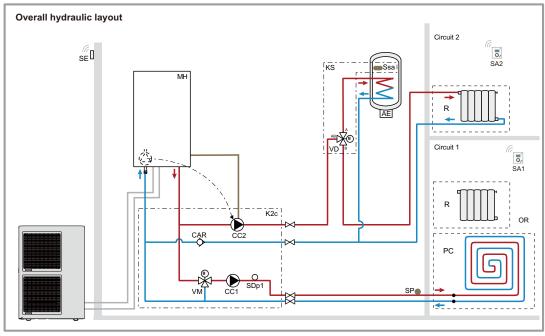
12-Connect the circulation pump CCM to the regulation extension kit.

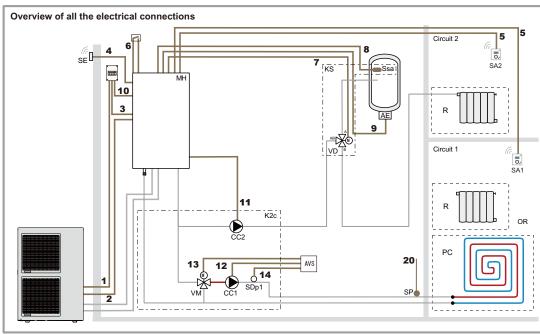
13-Connect the mixer valve to the regulation extension kit.

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

2-4.2-HEATING CIRCUITS AND DHW TANK

■ SPLIT TYPE (WS*G***DC6, WS*K***DC9)





Legend

AE - Electric back-up

AVS - Regulation extension kit

CAR - Non-return valve

CC1 - Heating circulation pump, Circuit 1

CC2 - Heating circulation pump, Circuit 2

K2c - 2nd circuit kit

KR - Boiler connection kit

KS - DHW kit

MH - Indoor unit

PC - Floor heating system

R - Radiators

SA1 - Room thermostat, Circuit 1 (option)

SA2 - Room thermostat, Circuit 2 (option)

SDp1 - Flow sensor, Circuit 1

SSa - DHW sensor

SE - Outdoor sensor TA - Boiler thermostat

SP - Heated floor thermal safety fuse

VD - Distribution valve

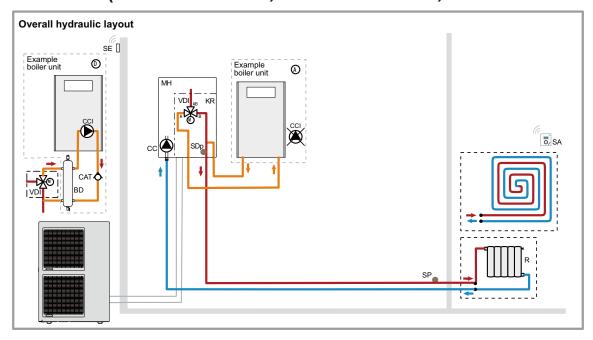
VM - Mixer valve

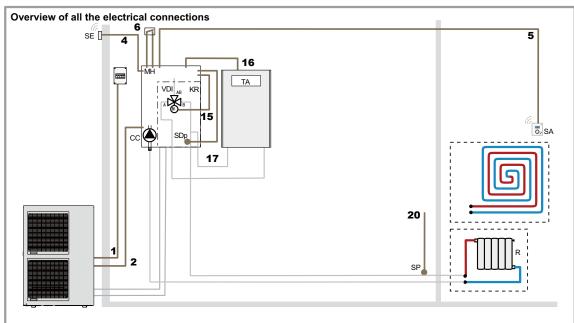
- 1- Power supply to the outdoor unit. (Electrical connections on the outdoor unit side)
- 2- Inter-connection between the outdoor unit and the indoor unit.
- 3- Power supply to the electrical back-ups: Connect the electrical supply for the back-ups to the electrical panel.
- 4- Outdoor sensor.
- 5- 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.
- 14- Connect the flow sensor circuit1 to the regulation extension kit.
- 13- Connect the mixer valve 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***DD6, WS*G***DC6, WS*K***DC9)





Legend

BD - Disconnection bottle

CAT - Anti-gravity feed valve

CCI - Heating system circulation pump built into the boiler **SA** - Room thermostat or Roomcontrol unit (option)

CC - Heating circulation pump

KR - Boiler connection kit

MH - Indoor unit

R - Radiators (or fan convectors)

SE - Outdoor sensor

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.

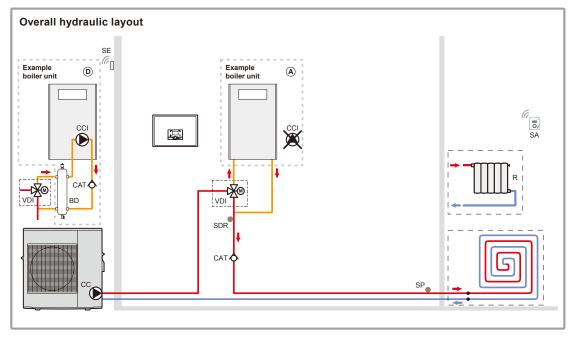
17- Flow sensor("connection"position).

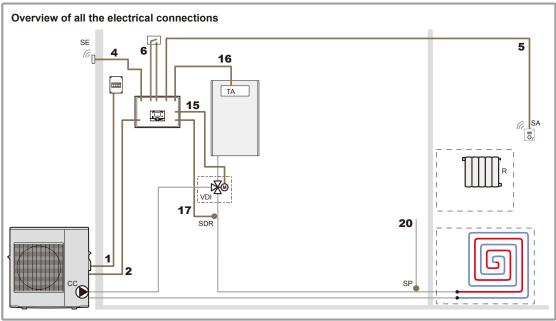
20- The installer is responsible for connecting the heated floor's safety system. Thermal safety will stop the heat pump if the temperature in the floor is too high.

SP - Heated floor thermal safety fuse

TA - Boiler room thermostat terminals VDI - Distribution valve (deviation boiler)

■ 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

SP - Heated floor thermal safety fuse

CC - Heating circulation pump

or - Heated Hoor thermal salety

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.

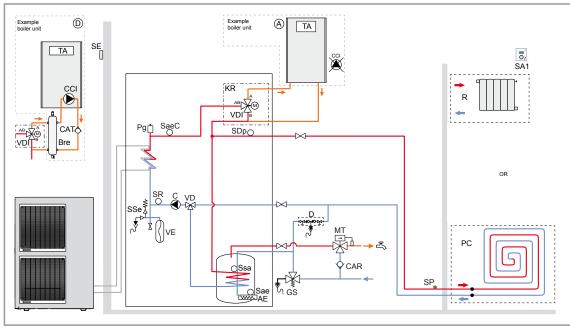
6- Contract with the power provider: Connect the "Power Provider" contact to the heat pump's regulator.

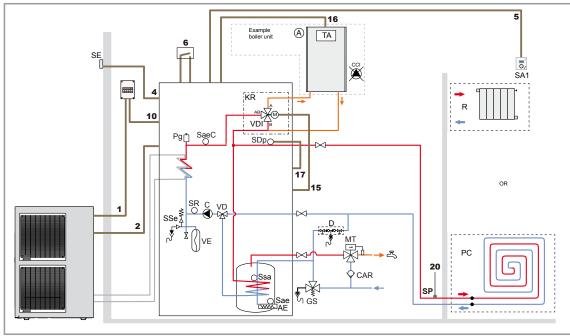
15- Connect the distribution valve to the electric panel.

16- Connect the boiler control to the electric panel.

17- Connect the boiler connection valve flow sensor to the heat pump's regulator.

■ SPLIT INTEGRATED DHW TYPE (WG*A***DD6, WG*G****DD6, WG*K***DD9)





AE - Hot water electrical back-up D - Shut-off

BD - Disconnection bottle

C - Heating circulation pump CAR - Non-return valve

CAT - Anti-gravity feed valve

CCM - Mixed-circuit heat pump

CCI - Heating system circulation pump built into the boiler

GS - Safety unit

KR - Boiler connection kit

MT - Thermostatic mixer valve

PC - Floor heating system

PG - Bleeder valve R - Radiators

SA1 - Room thermostat circuit 1 (Option)

Sae - Temperature safety of domestic electrical back-up

SaeC - Temperature safety (option heating back-up option)

SDp - Flow sensor

SE - Outdoor sensor

SP - Heated floor thermal safety fuse

SR - Return sensor

Ssa - DHW sensor

TA - Boiler room thermostat

terminals

VD - Distribution valve

VDI - Distribution valve (deviation boiler)

VE - Expansion vessel

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 power provider: Connect the "Power Provider" contact to the heat pump's regulator.

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

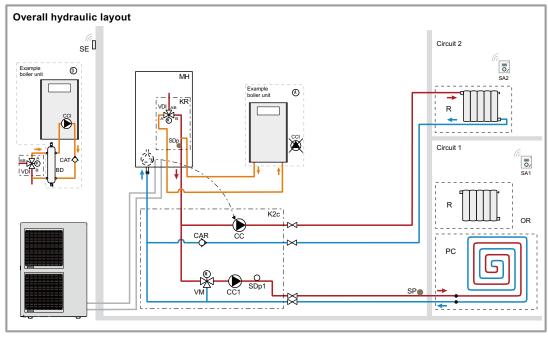
15-Connect the distribution valve to the heat pump's regulator.

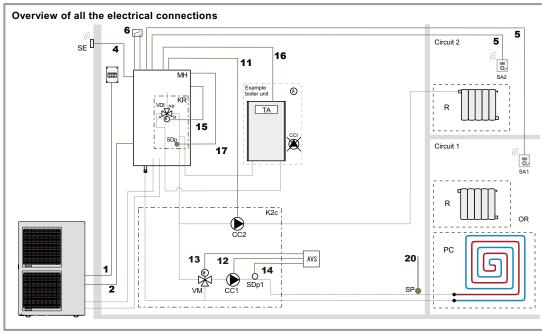
16-Connect the boiler control to the heat pump's regulator.

17-Flow sensor ("connection" position).

2-6. BOILER CONNECTION AND 2-HEATING CIRCUITS

■ SPLIT TYPE (WS*A***DD6, WS*G***DC6, WS*K***DC9)





K2c - 2nd circuit kit

MH - Indoor unit

KR - Boiler connection kit

PC - Floor heating system

SA1 - Room thermostat circuit 1 (option)

SA2 - Room thermostat circuit 2 (option)

Legend

AVS - Regulation extension kit

BD - Disconnection bottle

CAR - Non-return valve

CAT - Anti-gravity feed valve

CCI - Heating system circulation pump built into the boiler **R** - Radiators

CC1 - Heating circulation pump circuit 1

CC2 - Heating circulation pump circuit 2

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.

SDp1 - Flow sensor circuit 1

SDp - Flow sensor

SE - Outdoor sensor

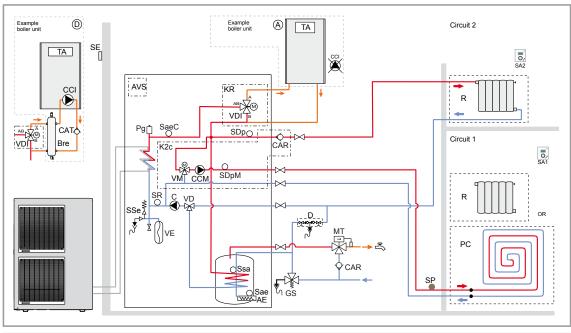
TA - Boiler thermostat

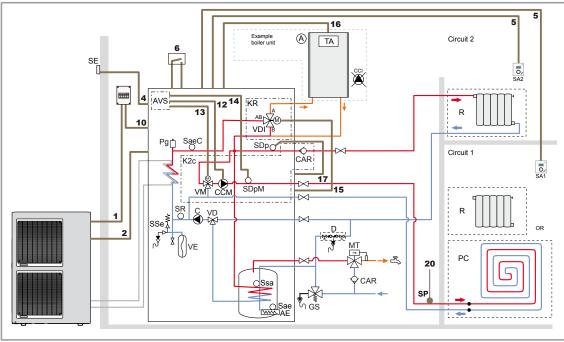
SP - Heated floor thermal safety fuse

VDI - Distribution valve (deviation boiler)

VM - Mixer valve

■ SPLIT INTEGRATED DHW TYPE (WG*A***DD6, WG*G****DD6, WG*K***DD9)





AE - Hot water electrical back-up D - Shut-off

AVS - Extension board, 2 circuits GS - Safety unit

BD - Disconnection bottle

C - Heating circulation pump CAR - Non-return valve

CAT - Anti-gravity feed valve

CCI - Heating system circulation pump built into the boiler

CCM - Mixed-circuit heat pump

K2c - 2nd circuit kit

KR - Boiler connection kit

MT - Thermostatic mixer valve

PC - Floor heating system

PG - Bleeder valve

R - Radiators

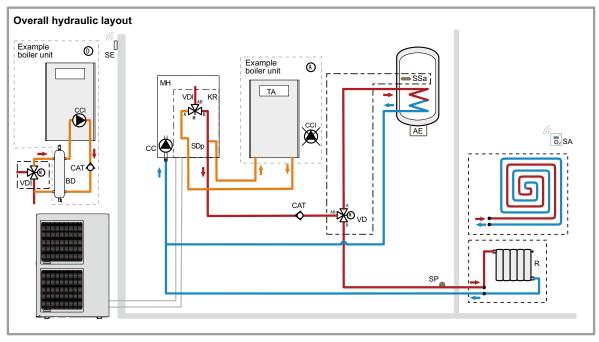
SA1 - Room thermostat circuit 1 (Option)

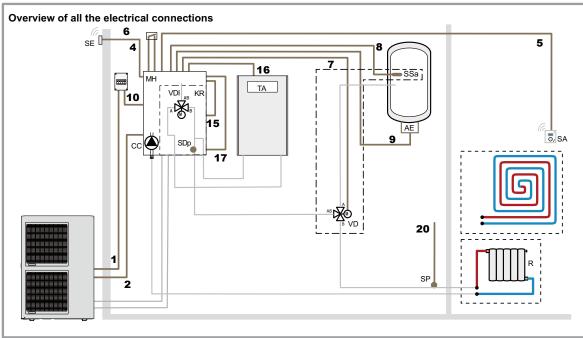
- 1- Power supply to the outdoor unit. (Electrical connections on the outdoor
- 2- Inter connection between the outdoor unit and the indoor unit.
- 5- Room thermostat and/or remote controller.
- 6- Contract with power provider: Connect the "Power Provider" contact to the heat pump's regulator.
- 10-Connect the electrical power supply for the domestic water back-up to the electric panel

- SA2 Room thermostat circuit 2 (Option)
- Sae Temperature safety of domestic electrical back-up
- SaeC Temperature safety (option heating back-up option)
- SDp Flow sensor
- SDpM Mixed-circuit initial sensor
- SE Outdoor sensor
- SP Heated floor thermal safety fuse
- SR Return sensor
- Ssa DHW sensor TA - Boiler room thermostat
- terminals
- VD Distribution valve
- **VDI** Distribution valve (deviation boiler)
- VE Expansion vesse
- VM Mixer valve
- 12-Connect the circulation pump CCM 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***DD6, WS*G***DC6, WS*K***DC9)





MH - Indoor unit

SDp - Flow sensor

R - Radiators (or fan convectors)

SA - Room thermostat or Room control unit (option)

Legend

- AE Electric back-up
- BD Disconnection bottle
- CAT Anti-gravity feed valve
- CCI Heating system circulation pump built into the boiler SE Outdoor sensor
- CC Heating circulation pump
- 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.

SSa - DHW sensor

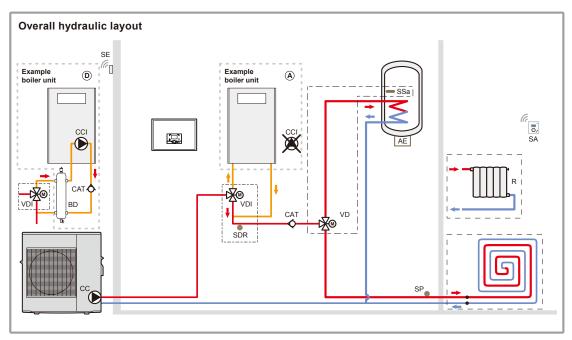
SP - Heated floor thermal safety fuse

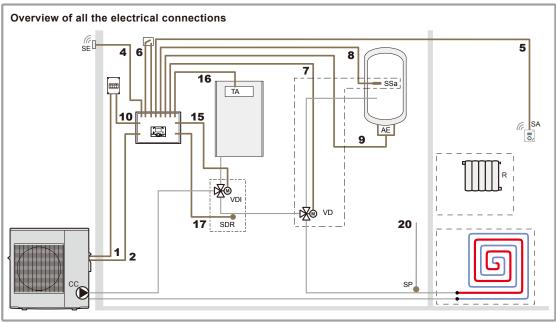
TA - Boiler room thermostat terminals

VD - Distribution valve

VDI - Distribution valve (deviation boiler)

■ MONOBLOC TYPE





SA - Room thermostat (option)

SDR - Boiler connection valve flow sensor

SP - Heated floor thermal safety fuse

SE - Outdoor sensor

Legend

AE - Electric back-up

BD - Disconnection bottle

CAT - Anti-gravity feed valve

CCI - Heating system circulation pump built into the boiler SSa - DHW sensor

CC - Heating circulation pump

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.

Optional parts

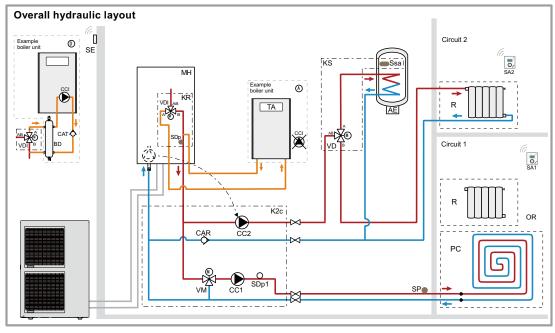
TA - Boiler room thermostat terminals

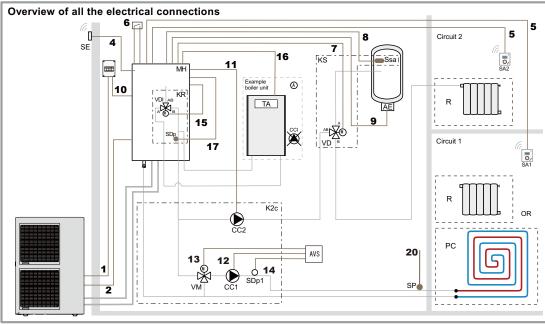
VDI - Distribution valve (deviation boiler)

VD - Distribution valve

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

■ SPLIT TYPE (WS*A***DD6, WS*G***DC6, WS*K***DC9)





Legend

AE - Electric back-up

AVS - Regulation extesion kit

CAR - Non-return valve

CC1 - Heating circulation pump circuit 1

CC2 - Heating circulation pump circuit 2

K2c - 2nd circuit kit

KR - Boiler connection kit

MH - Indoor unit

PC - Floor heating system

R - Radiators

SA1 - Room thermostat circuit 1 (option)

SA2 - Room thermostat circuit 2 (option)

SDp1 - Flow circuit1

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.

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.

SE - Outdoor sensor

TA - Boiler thermostat

VD - Distribution valve

VM - Mixer valve

SP - Heated floor thermal safety fuse

VDI - Distribution valve (deviation boiler)

13- Connect the mixer valve to the regulation extension kit. 15- Connect the distribution valve to the heat pump's regulator. 14- Connect the flow sensor circuit1 to the regulation extension kit. 16- Connect the boiler control to the heat pump's regulator.

17- Flow sensor("connection" position).