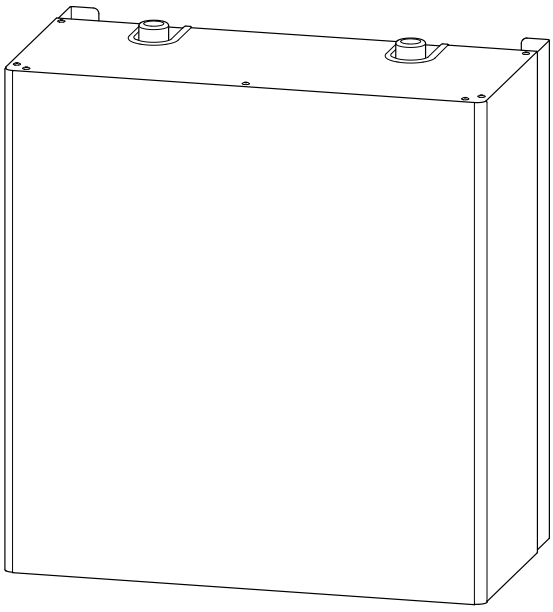
Document No. 1671-8 ~ 07/02/2019

FR NL DE **EN** PL

2-area kit reference 076311

for heat pumps



☞ **This manual primarily concerns the installation and connection of the 2-area kit.**
To install and configure the heat pump, please refer to the heat pump's technical instructions manual.

Installation manual
for professionals

to be kept by the user
for future reference

Société Industrielle de Chauffage
BP 64 - 59660 MERVILLE - FRANCE

1 Description of the equipment

1.1 Packaging

• **1 package**: 2-area kit.

On reception, before you fit anything, it is essential that you check the parts received and search for any damage caused during transport.

1.2 Scope

The management of 2 heating areas requires the installation of the 2-area kit.

1.3 Expansion vessel

Reminder: The volume of the expansion vessel must be calculated according to the total volume of the installation. You may therefore need to add an additional expansion vessel.

1.4 Specifications

Power absorbed	95 W
Maximum operating pressure	3 bar
Supply voltage	230V - 50Hz
Outgoing/return flow Ø (male)	26x34 mm

Servomotor:

- Stroke: 90°.
- Operating time for completely opening or closing the valve: 4 min.

3-way mixing valve:

- Nominal diameter: 26x34 mm.
- KV type: 6.

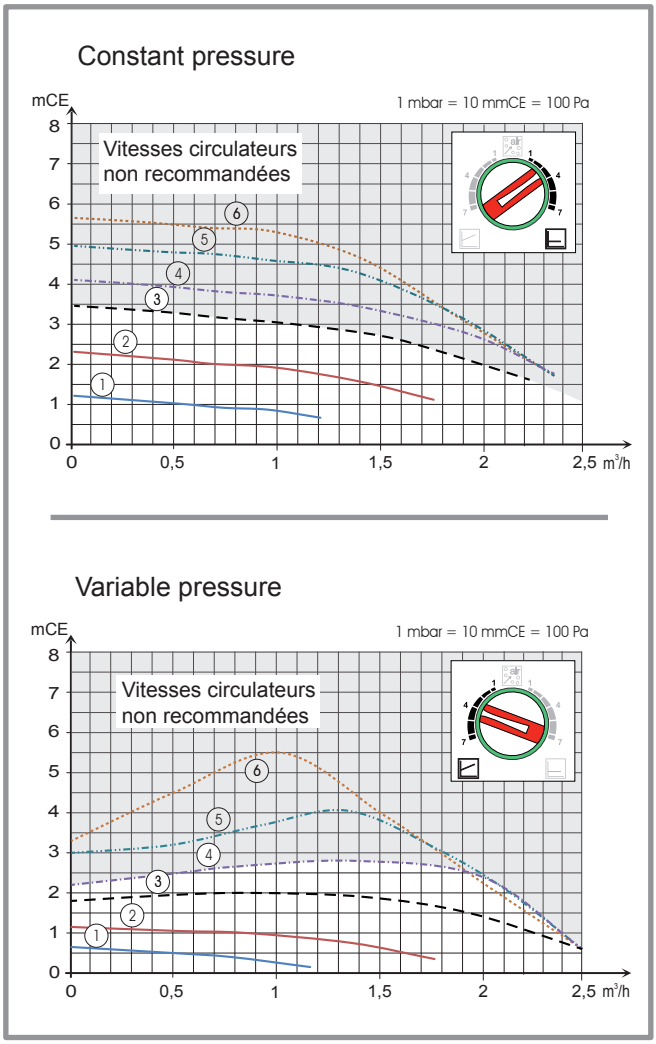


figure 1 - Hydraulic pressures and flow rates available (HP + 2-area kit)

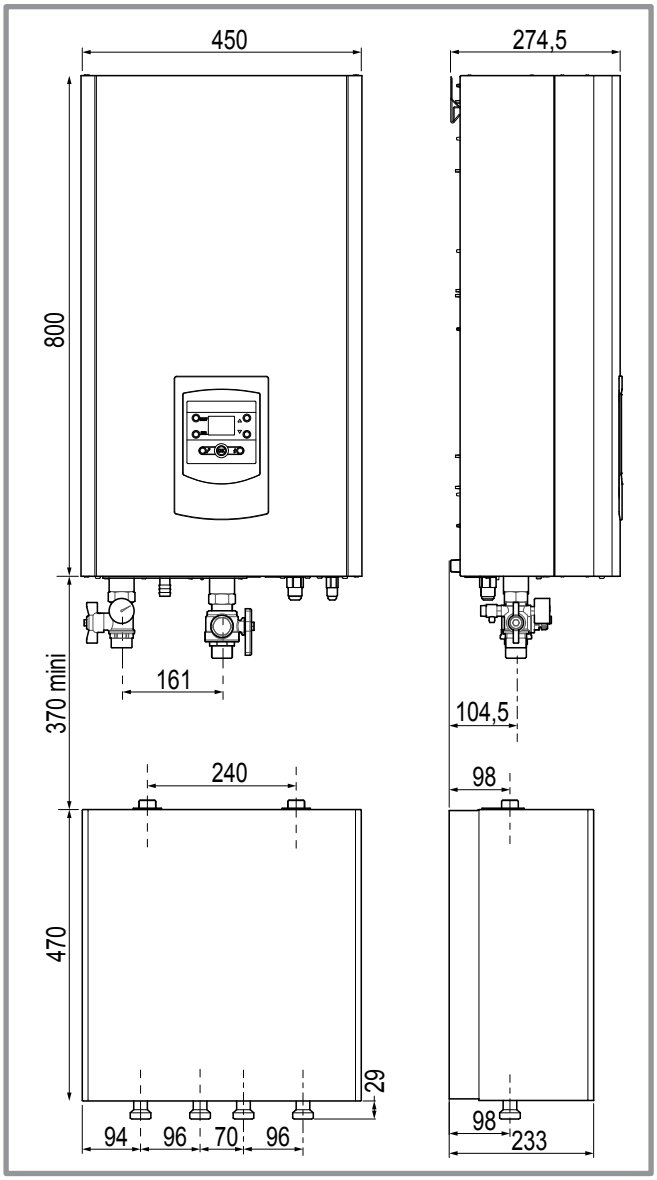
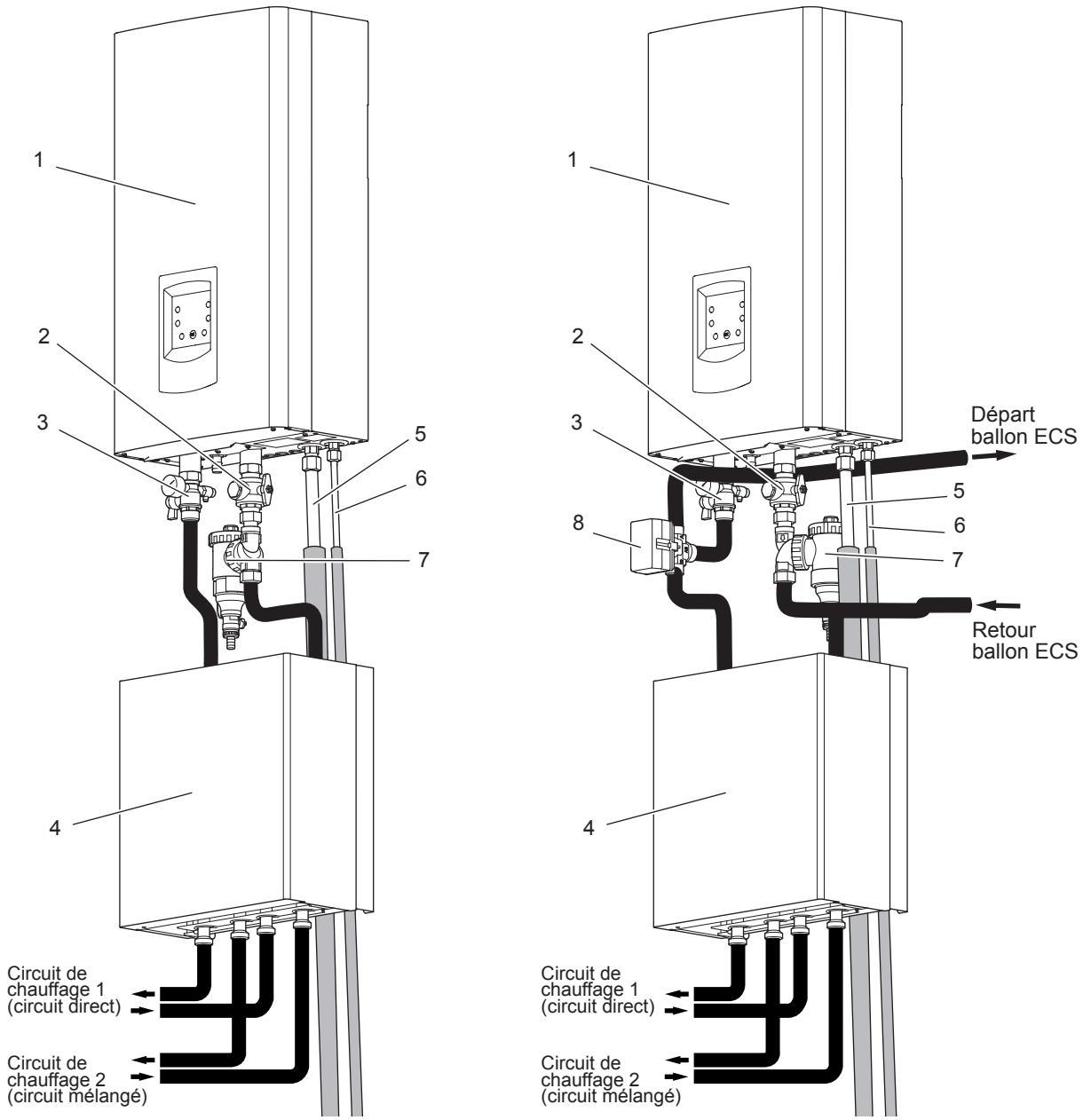


figure 2 - Dimensions in mm (HP + 2-area kit)



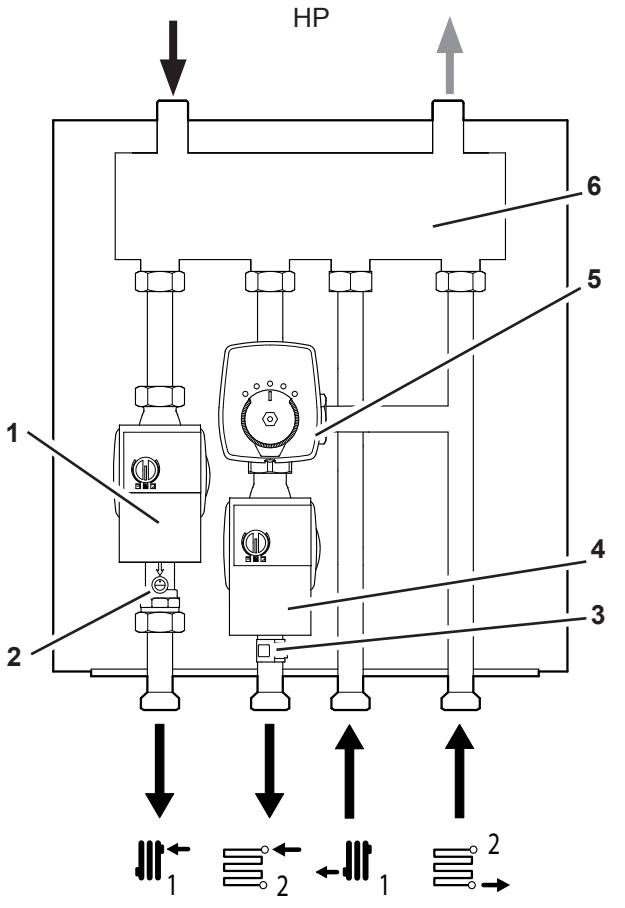
1. Heat pump.
2. Filter valve (provided with the HP, not pre-assembled).
3. Valve (provided with the HP, not pre-assembled) Pressure gauge / Bleed tap.
4. 2-area kit.
5. “Gas” refrigerant connection.
6. "Liquid" refrigerant connection.
7. Sediment trap (Optional).
8. DHW distribution valve (Optional).

figure 3 - HP + 2-Area Kit Connections

2 Instructions intended for the installer

2.1 Attaching the 2-area kit

- Secure the support to a flat, sturdy wall (not a light-weight partition) ensuring that it is correctly levelled.



Key

1. Circulation pump for direct heating circuit [HC1] (CC)
2. Check valve (CAR)
3. Outgoing flow sensor (SDpM)
4. Circulation pump for mixed heating circuit [HC2] (CCM)
5. Mixing valve (VM)
6. Decoupling cylinder (Bd)

figure 4 - Components

2.2 Hydraulically connecting the heating circuit

The connection must comply with good engineering practices according to the regulations in force.

Tightening torque: 15 to 35 Nm.

The appliance must be connected to the installation with union connectors and shut-off valves to facilitate its removal.

Reminder: Make the assembly seals according to good engineering practices in force for plumbing work:

- Use suitable seals or gaskets (fibre seals, O rings).
- Use Teflon or hemp tape.
- Use sealant (synthetic as required).

• Create the outgoing/return links between the heat pump and the 2-area kit.

• When installing a sediment trap (not provided), place the trap on the return flow line between the heat pump and the 2-area kit (figure 5) or on each of the heating return lines of the 2-area kit.

• Make the hydraulic connections for the heating circuits (see figure 4).

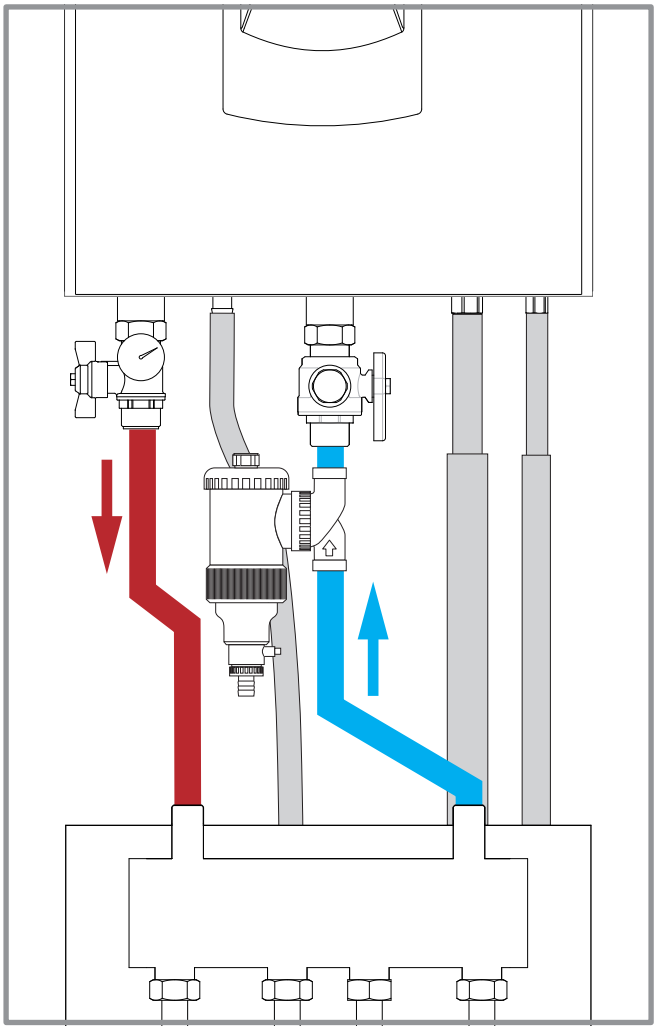
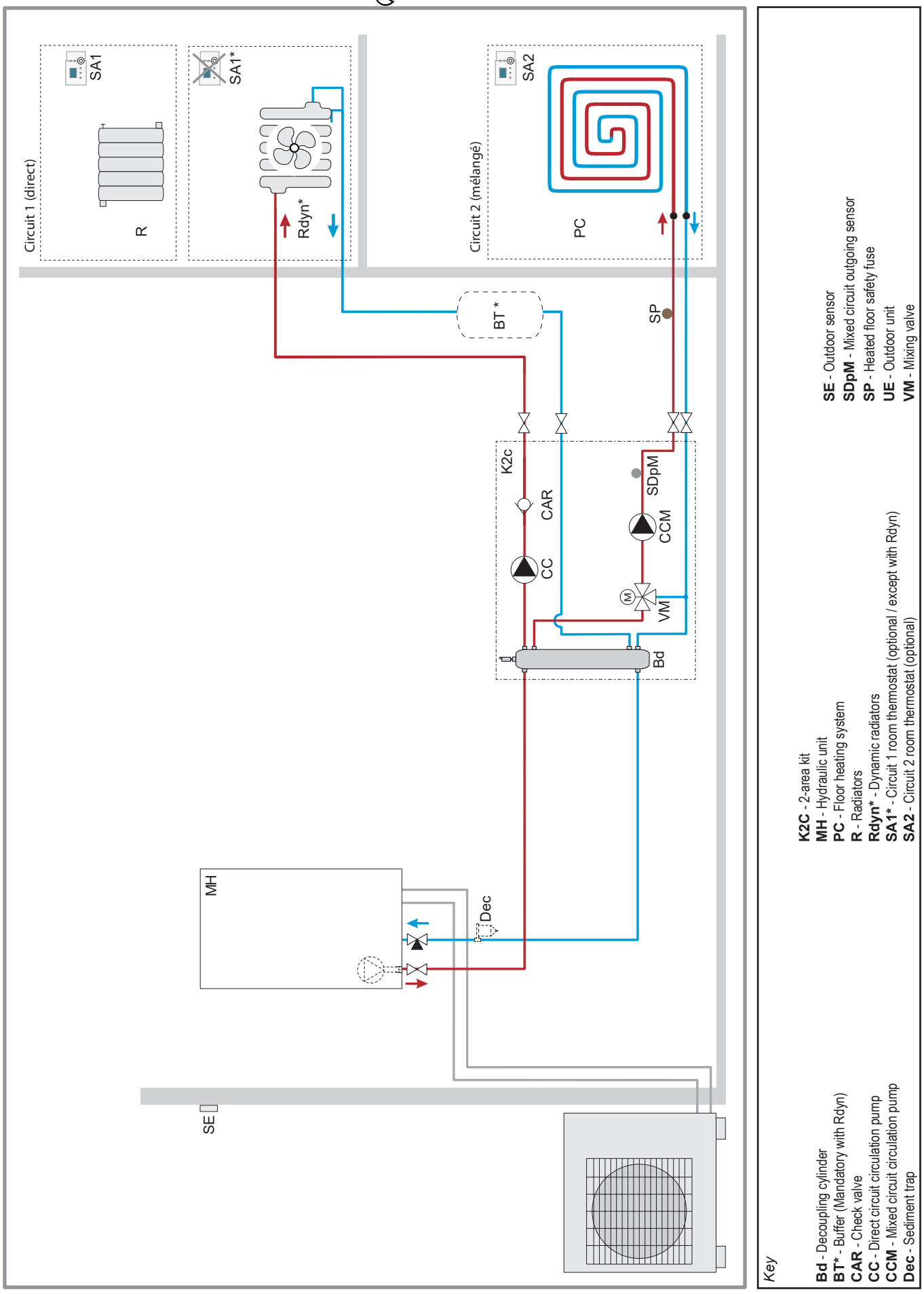


figure 5 - Installing a sediment trap

2.3 Overall hydraulic layout

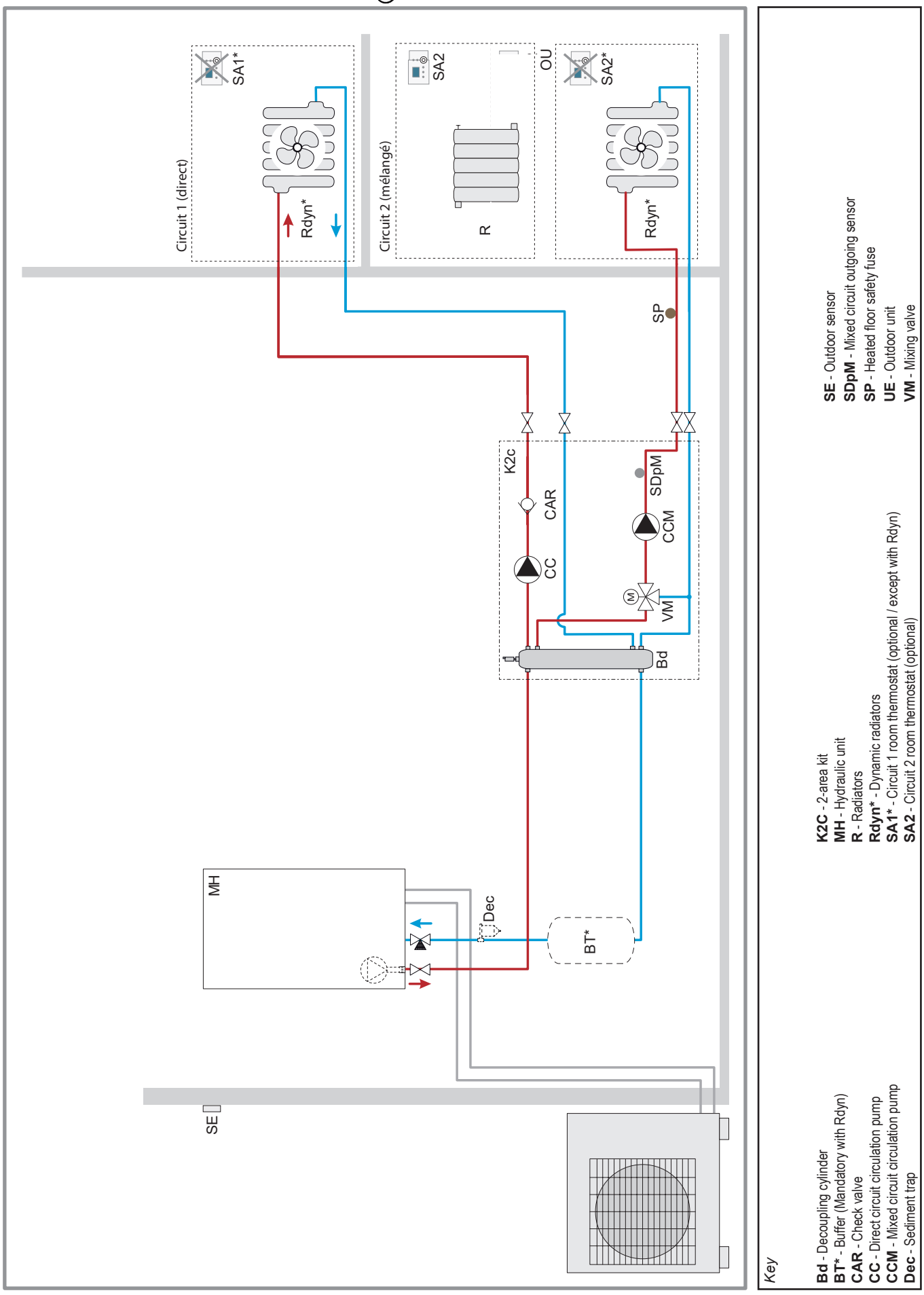
• Configuration 3: 2 heating circuits.

Installation configuration see parameter **3** (software V26) / **4** (software V27) ... (Setting parameters - Installation manual).



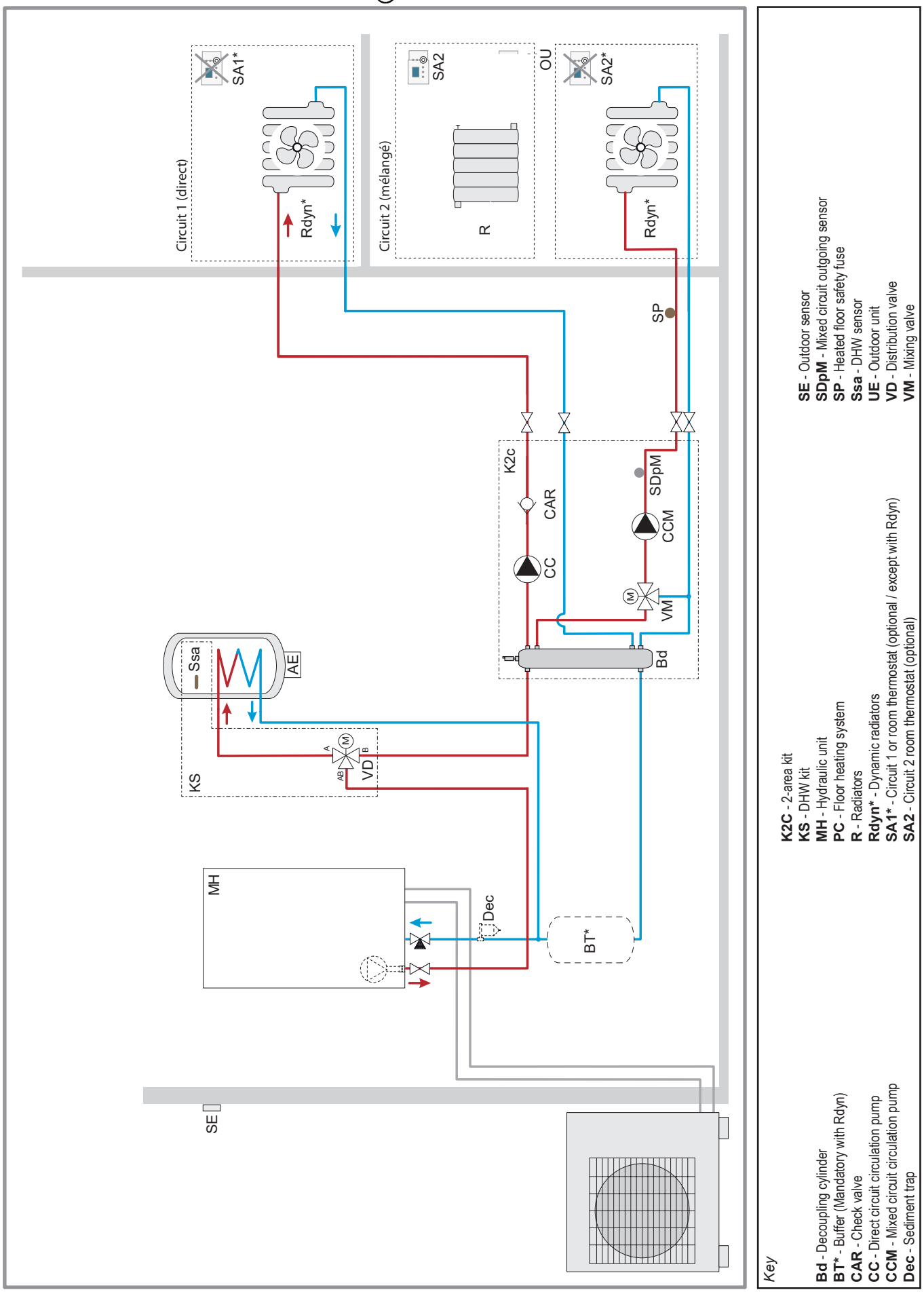
• Configuration 3: 2 heating circuits (Rdyn - Rdyn/R)

Installation configuration see parameter **3** (software V26) / **4** (software V27) ... (Setting parameters - Installation manual).



• Configuration 3: 2 heating circuits (Rdyn - Rdyn/R) + DHW

Installation configuration see parameter **3** (software V26) / **4** (software V27) ... (Setting parameters - Installation manual).



2.4 Electrical connections

Always check that the electric power supply is switched off before works.

The electrical installation must be conducted in accordance with the prevailing regulations.

The electrical connections must only be made when all the other fitting operations have been completed (fixing, assembly, hydraulic connections, etc.).

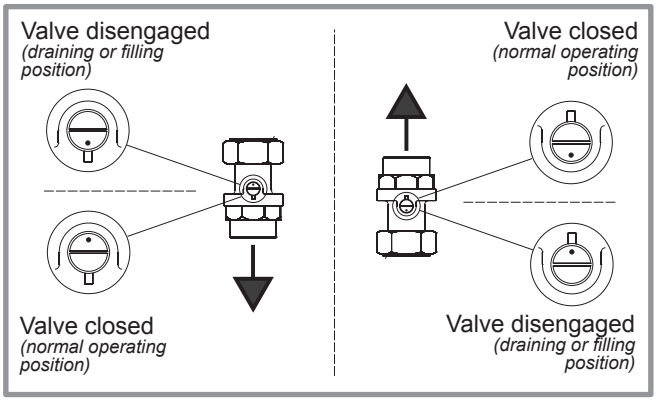


figure 6 - Check valves

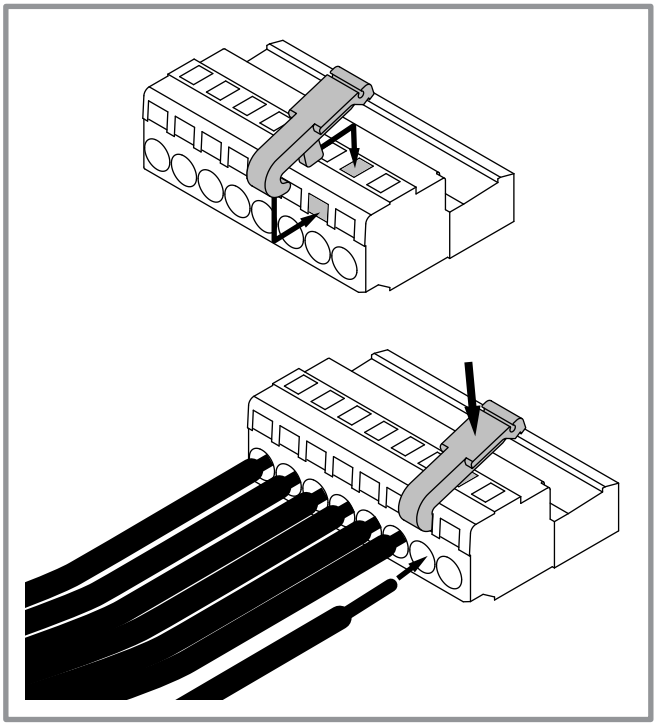


figure 7 - Connector

• Run the cables from the 2-area kit to the electric box of the heat pump.

• Make the connections as shown in figure 8.

1 - Connect the outgoing sensor (SDpM / Mixed circuit) to terminals **3** and **4** of the sensor terminal block.

2 - Connect the cable from the mixing valve (VM) to terminals **1** (BN), **2** (BU), **3** (BK) of the connector provided.

3 - Connect the cable from the direct circuit circulation pump (CC) [HC1] to terminals **4** (BU), **5** (BN), **6** (GN) of the connector provided.

4 - Connect the cable from the mixed circuit circulation pump (CCM) [HC2] to terminals **6** (GN), **7** (BU), **8** (BN) of the connector provided.

• Insert the female connector in the 2-area male connector.

2.5 Configuration

• Set parameter according to the software version :

Parameters until software Version 26	Parameters from software Version 27
3 - Pre-setting... to : - **3** (2 heating circuits with decoupling cylinder) Or - **6** (2 heating circuits with decoupling cylinder + DHW).	**4 - Two heating circuits option... to :** - **3** (2 heating circuits with decoupling cylinder)

• Set the heating times:

- Circuit 1: parameters **11** to **17**.
- Circuit 2: parameters **18** to **24**.

2.6 Checks and commissioning

- Please refer to the manual provided with the heat pump.

☞ **The pump of the direct heating circuit CC is always in operation when there is demand on the mixed heating circuit CCM.**

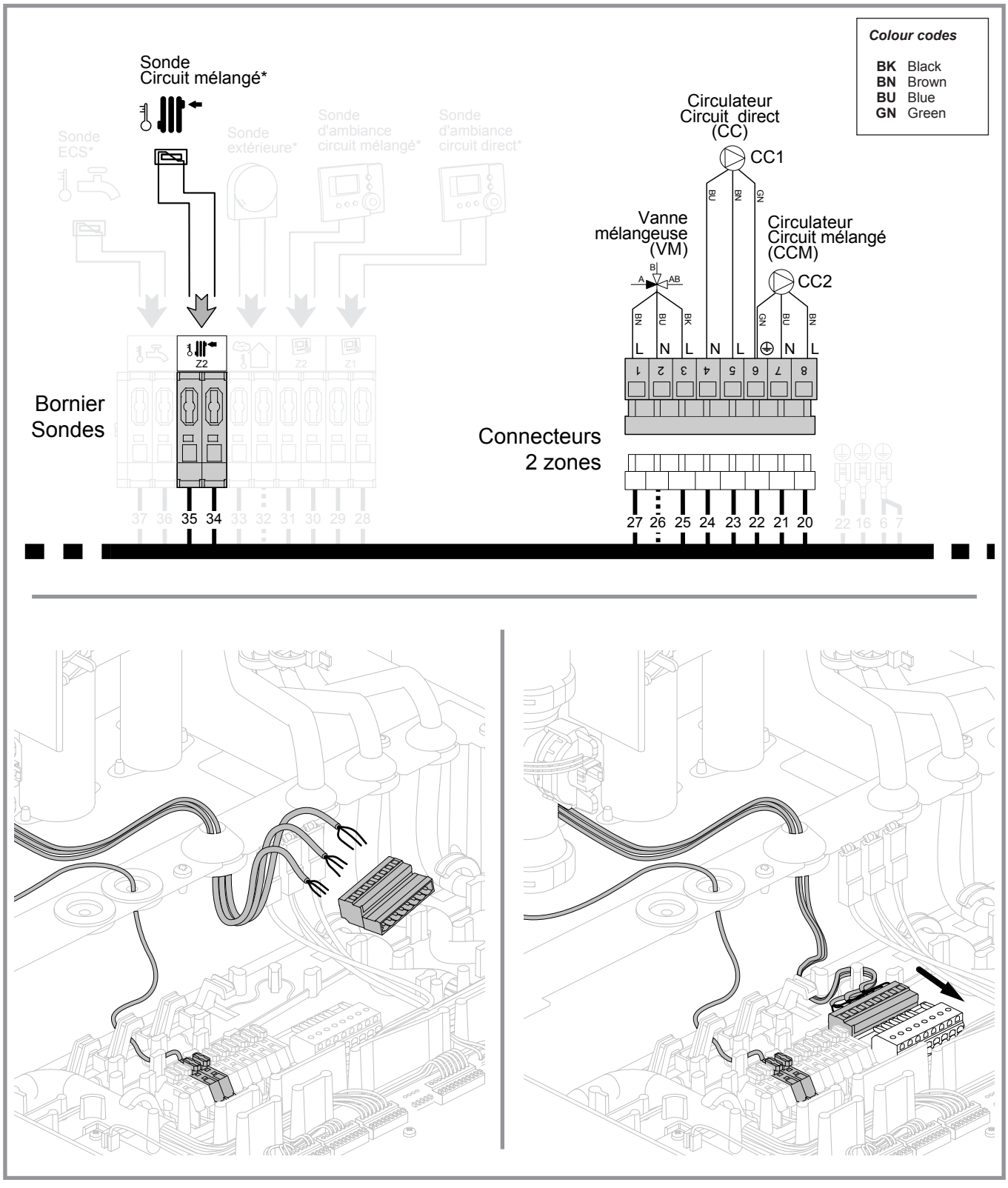


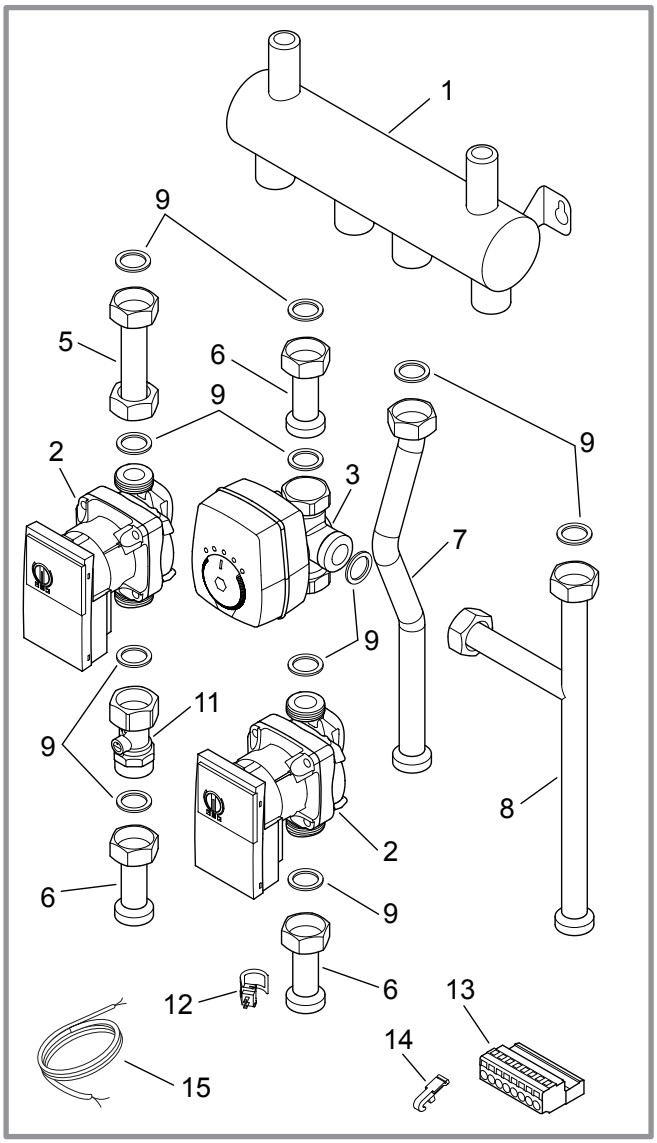
figure 8 - Electrical connections

3 Spare parts

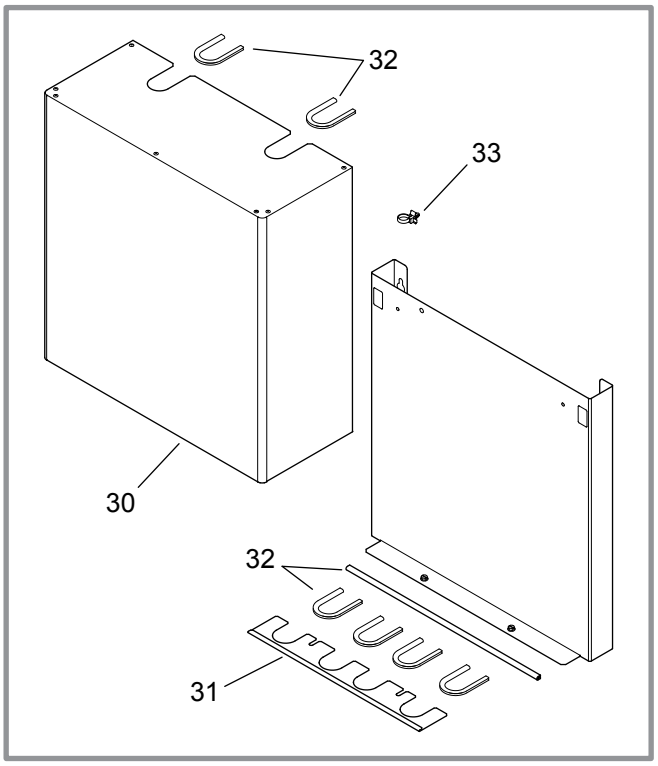
When ordering spare parts, give the appliance type and reference as well as the name and reference of the part.

Qty = Total quantity per appliance.

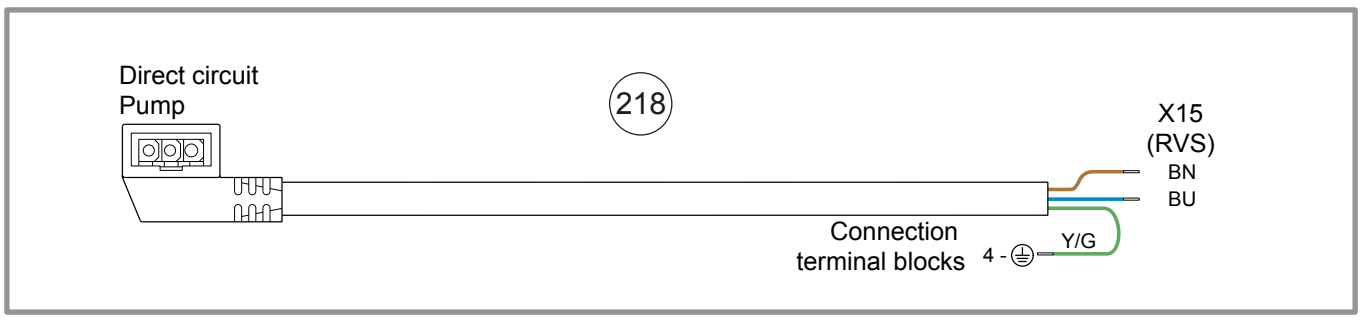
No.	Ref.	Name	Type	Qty
1	965838	Decoupling cylinder		01
2	109973	Circulation pump		02
3	188293	Valve		01
5	184166	Pipe		01
6	184167	Pipe		03
7	184184	Pipe		01
8	184185	Piping		01
9	142735	Gasket	26x34	11
11	110047	Valve		01
12	909205	Outgoing flow sensor		01
13	110774	Connector		01
14	154807	Connecting tool		01
15	109740	Bundle		01



No.	Ref.	Name	Type	Qty
30	912380	Front plate		01
31	205836	Fork		01
32	159200	Profile		1 m
33	174213	Cable clamp		01



No.	Ref.	Name	Type	Qty
218	133218	Pump bundle		02



This appliance complies with:
- the low voltage directive 2014/35/EU under standard NF EN 60335-1 et NF EN 60335-2-102,
- the electromagnetic compatibility directive 2014/30/EU

This unit is identified by this symbol. It means that all electrical and electronic products must not be included in household waste.
A specific recycling system for this type of product has been set up in European Union countries (*), Norway, Iceland and Liechtenstein.
Do not try to dismantle this product yourself. It may have damaging effects on your health or on the environment.
Reprocessing of the refrigerant, lubricant and other parts may be performed by a qualified installer in compliance with the local and national legislation in force.
This unit must be recycled by a specialised service and in no case may it be thrown away with household waste, rubble or in a landfill.
Please contact your installer or local representative for more information.

* Depending on the national regulations of each member state.

Date of commissioning:

Address of your heating installer or customer service.

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