QUICK START GUIDE

ARISTON

EN **WARNING!**
This document summarises the information contained in the manual TECHNICAL INSTRUCTIONS FOR INSTALLATION AND MAINTENANCE.
We refer to this manual, which must be read carefully before proceeding with the installation, for the relevant Safety information.

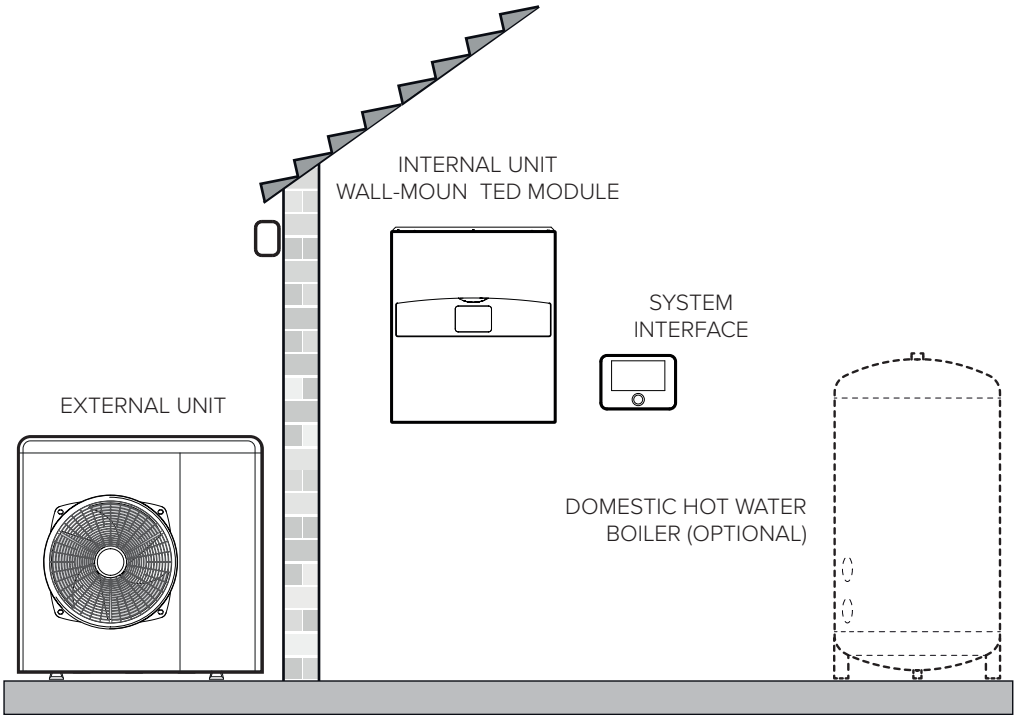
SYSTEM DESCRIPTION

To install...

✔ HEATING AND COOLING SOLUTION WALL-MOUNTED MODULE

Material supplied together with the units:
Technical documentation (Installer manual, User manual, this Quick Start Guide, Technical data, Energy labels, Circuit diagrams, Warnings sheet), cable ties;
Material for mounting the system interface (mounting plate, screws and plugs);
Material for mounting the wall-mounted module (horizontal mounting plate, template, screws and plugs);
Material for the safety valve (discharge hose, hose connection).

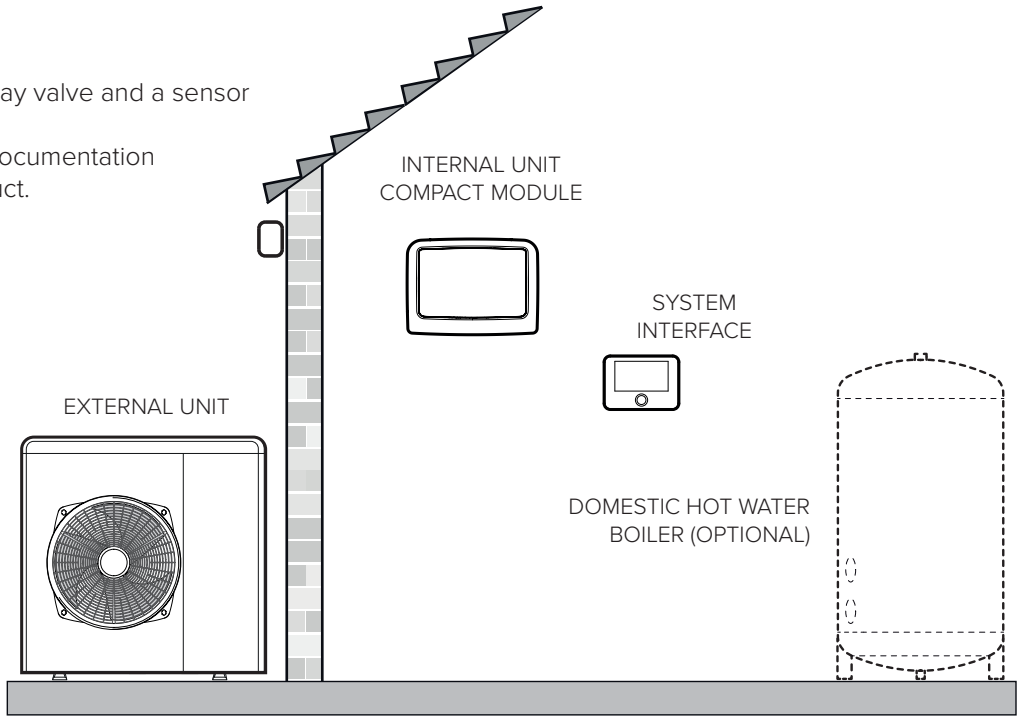
To add a boiler...
You will need a three-way valve and a sensor for the boiler.
Refer to the technical documentation included with the product.



✔ HEATING AND COOLING SOLUTION COMPACT MODULE

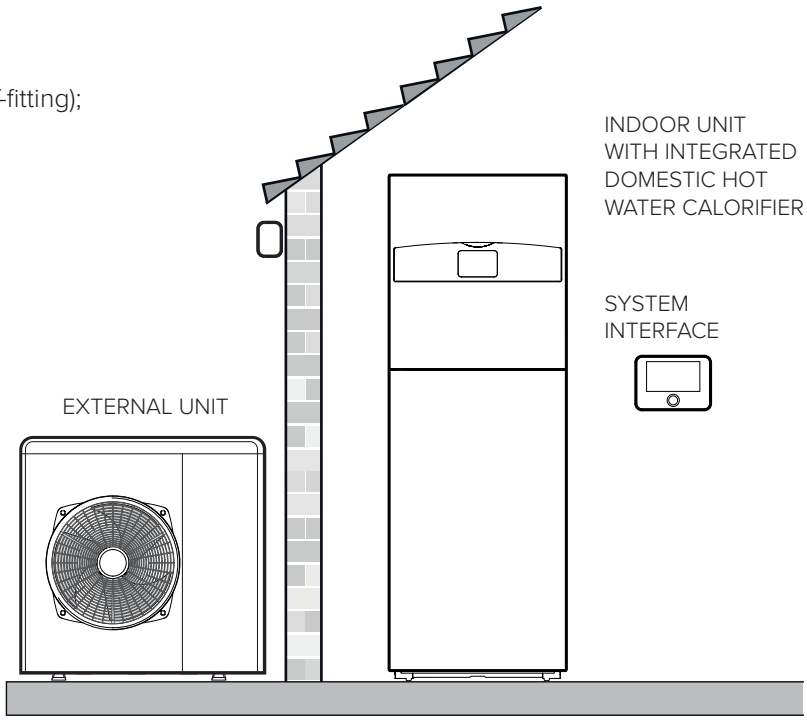
Material supplied together with the units:
Technical documentation (Installer manual, User manual, this Quick Start Guide, Technical data, Energy labels, Circuit diagrams, Warnings sheet);
Material for mounting the system interface (mounting plate, screws and plugs);
Material for mounting the internal module (mounting plate, screws and plugs) on the wall;

To add a boiler...
You will need a three-way valve and a sensor for the boiler.
Refer to the technical documentation included with the product.



✔ ALL-IN-ONE SOLUTION FOR HEATING, COOLING AND DOMESTIC HOT WATER PRODUCTION

Material supplied together with the units:
Technical documentation (Installer manual, User manual, this Quick Start Guide, Technical data, Energy labels, Circuit diagrams, Warnings sheet),
cable ties;
Material for mounting the system interface
(mounting plate, screws and plugs);
Material for the discharge valve (flush hoses, Y-fitting);
Material for the safety valve
(discharge hose, hose connection).

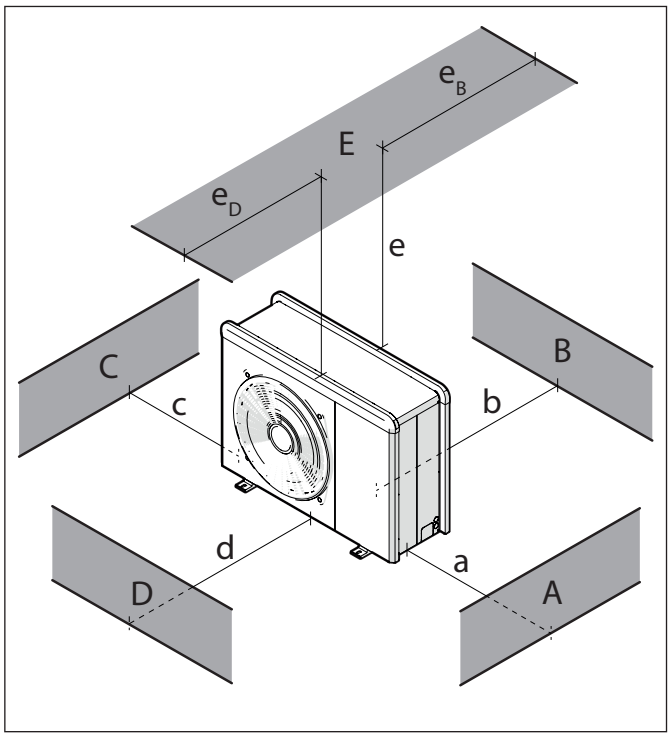


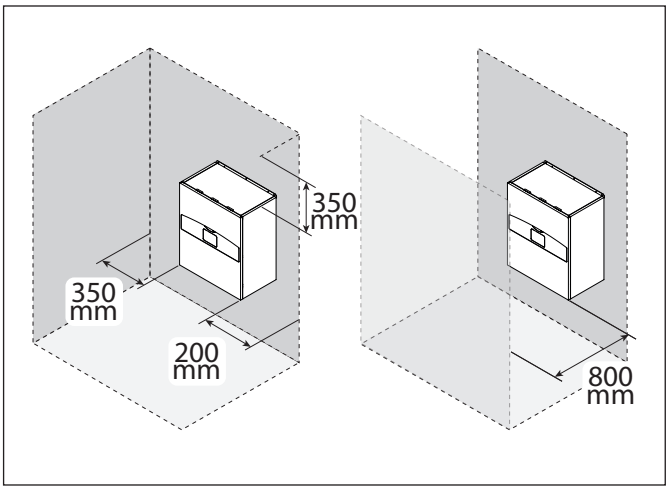
CHECKLIST (1/3)

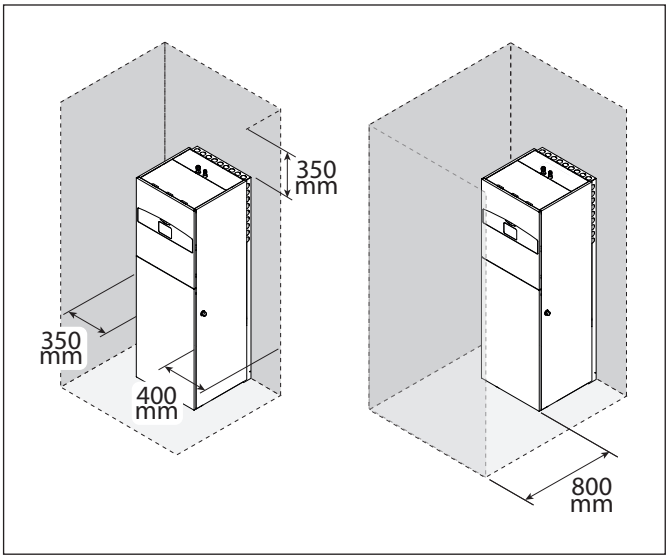
The external and internal units must be installed by a qualified technician. For detailed instructions, refer to the installation manual.

PRELIMINARY CHECKS

Have you cleaned the system and the boiler (if present)?	❑
Have you checked the water quality?	❑
Where are you installing the units? Make sure that: • The external unit is installed with the specified clearances from the walls, ceiling and floor. • The internal unit is installed with the specified clearances from the walls and ceiling. • The system interface is at least 1.5 m off the floor and not close to sources of heat, draughts and openings to outdoors. • The external sensor is mounted on a north facing wall at least 2.5 m off the ground.	❑







	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	eD [mm]	eB [mm]
ABC	≥300	≥150	≥150				
B		≥150					
D				≥500			
BE		≥150			≥500		≥150
BD		≥150		≥1000			
DE				≥1000	≥1000	≥1000	

CHECKLIST (2/3)

The external and internal units must be installed by a qualified technician. For detailed instructions, refer to the installation manual.

EXTERNAL UNIT

Did I position the unit outside?	❑
Did I mount the vibration damper?	❑
Have you positioned the unit on a strong, level base, with easy access for maintenance?	❑
Have you installed a shield to protect the unit against draughts?	❑
Are you sure the flow of air is unobstructed?	❑
Are you sure the supporting structure can bear the weight of the external unit?	❑
Does it snow heavily in the installation area? If it does, have you installed the external unit at least 200 mm above the usual level reached by the snow?	❑
Is the condensate drain present?	❑

INTERNAL UNIT

Have you installed the unit in an enclosed space, with easy access for maintenance?	❑
Have you secured the unit to the wall or ground?	❑
Did I install the condensate tray and connect the drain?	❑

GAS CONNECTIONS

This procedure must be done by a qualified technician, in compliance with the requirements of the F-Gas regulations.

Have you avoided too sharp bends and the risk of oil being trapped in the tubes running between the internal and external units?	❑
Have you observed the minimum and maximum tube length specifications? And the height difference?	❑
Have you done the flaring with suitable equipment?	❑
Have you purged the air from the circuit with a vacuum pump and held the vacuum for at least 5 minutes?	❑
Have you re-opened the valves to charge the circuit?	❑
Have you charged an additional amount of refrigerant gas if the tubes running between the internal and external units are longer than 20 m?	❑
If the total charge is > 1.84 kg, did I check whether the installation room has a minimum opening for natural ventilation as shown in the installation manual?	❑
Have you fitted the caps on the valves?	❑
If you intend to complete the installation at a later date, have you closed the tubes?	❑
Have you re-opened the valves to charge the circuit?	❑

CHECKLIST (3/3)

⚠ **The external and internal units must be installed by a qualified technician. For detailed instructions, refer to the installation manual.**

PLUMBING CONNECTIONS

Have you checked that the water circuit pressure never exceeds 5 bar, or installed a pressure reducer at the system's intake if it does?	❑
Have you filled the system to less than 3 bar (recommended pressure = 1.2 bar)?	❑
Have you checked the tightness of the system?	❑
Have you connected the circuit filling tubes and tubes running to the heating/cooling and domestic hot water systems (where present)? (direction, tightness of gaskets, no water leaks, etc.)	❑
Is the provided expansion vessel big enough for the system? Is it pre-charged to 1 bar?	❑
Have you connected the safety and discharge valves with the provided silicone hoses?	❑
If you are installing the system at ground level, have you fitted the heating delivery circuit with a safety device?	❑
Is the safety unit fitted on the calorifier?	❑
Is there a differential by-pass valve?	❑
Is there a utility valve on the highest point of the system?	❑

ELECTRICAL HOOKUP

Have you checked that the electrical connections match the diagrams in the installer manual and that they are correctly made?	❑
Do the mains power supply voltage and frequency match the ratings on the unit's nameplate?	❑
If the system properly sized for the power draw of the installed units (see nameplate)?	❑
Has the mains power connection been made with a fixed mount and does it include a two-pole switch?	❑
Have you first installed the earth connection?	❑
Have you installed the overcurrent protection, differential circuit breakers and thermal cutouts on the outputs of the power enclosure for the internal and external units, as required by local legislation? Have you rated the differential cutouts and safety switches properly (refer to the manual for details)?	❑

If and only if you have answered all the above questions with "yes", can you start up the external and internal units, and proceed with the:

INITIAL START UP

This procedure must be done by a qualified technician, in compliance with the requirements of the F-Gas regulations.

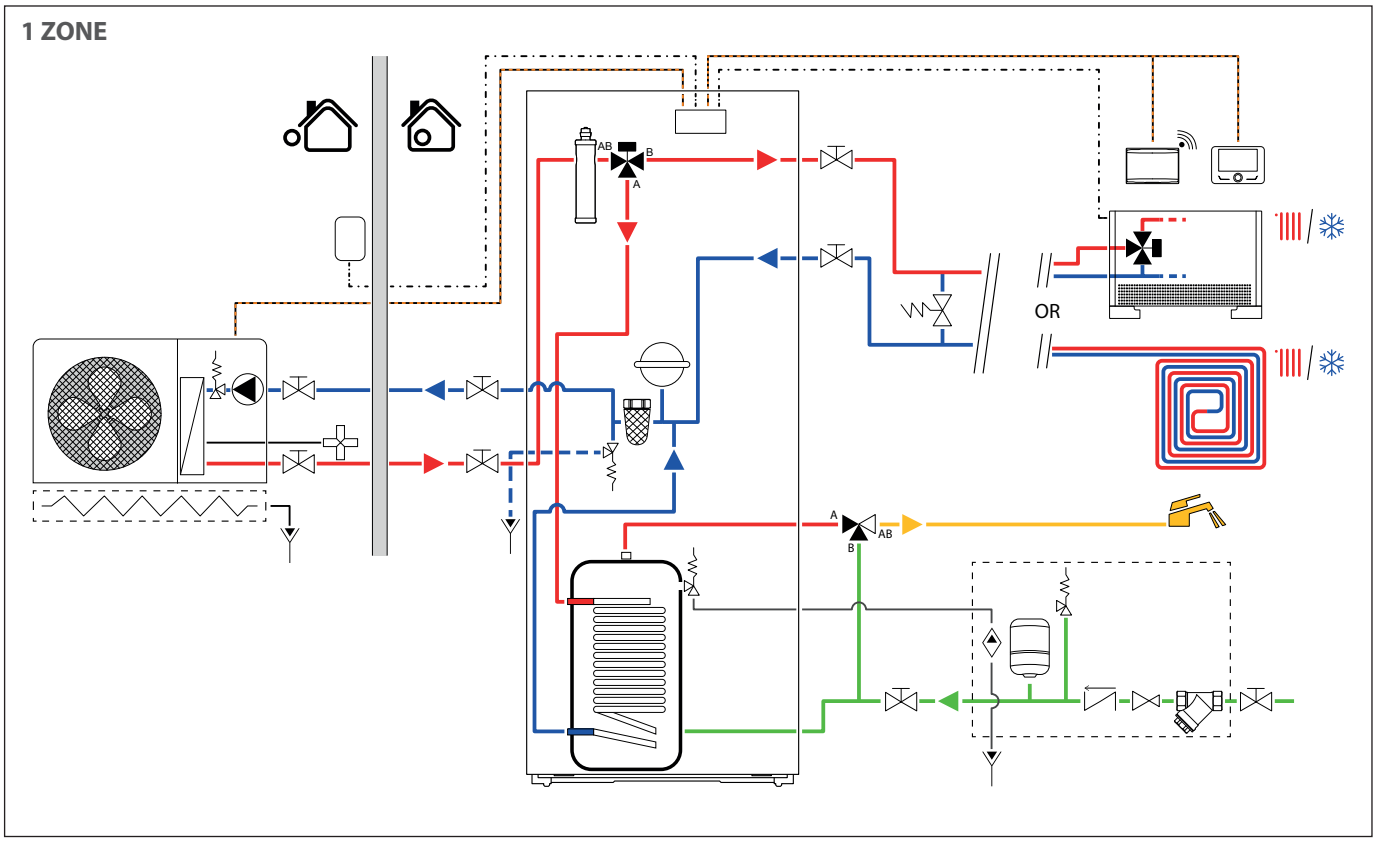
Have you checked that the BUS connection between the internal and external units and the system interface is installed properly?	❑
Have you followed the configuration procedure on the interface step by step?	❑
Has the system reported any errors or behaved in an anomalous manner?	❑
Have you checked that the default settings in the Technical Area match the specifications of your system? Have you paid special attention to setting the temperature range correctly for the various zones (refer to the installer manual for details about these settings)?	❑
After setting all the parameters, did you purge the circuit (parameter 1.12.0)?	❑
Have you checked that the system is operating properly? (Test its operation in heating and, as applicable, in cooling and domestic hot water production.)	❑
Have you checked the operation of the system's refrigerant gas section?	❑
Have you checked that the internal and external units do not run too noisily and that the compressor is running as it should?	❑
Have you checked for vibration and noise coming from the structure itself (loose connections, vibration transmitted to the ground, etc.)?	❑

BASIC SCHEMES - EXAMPLES

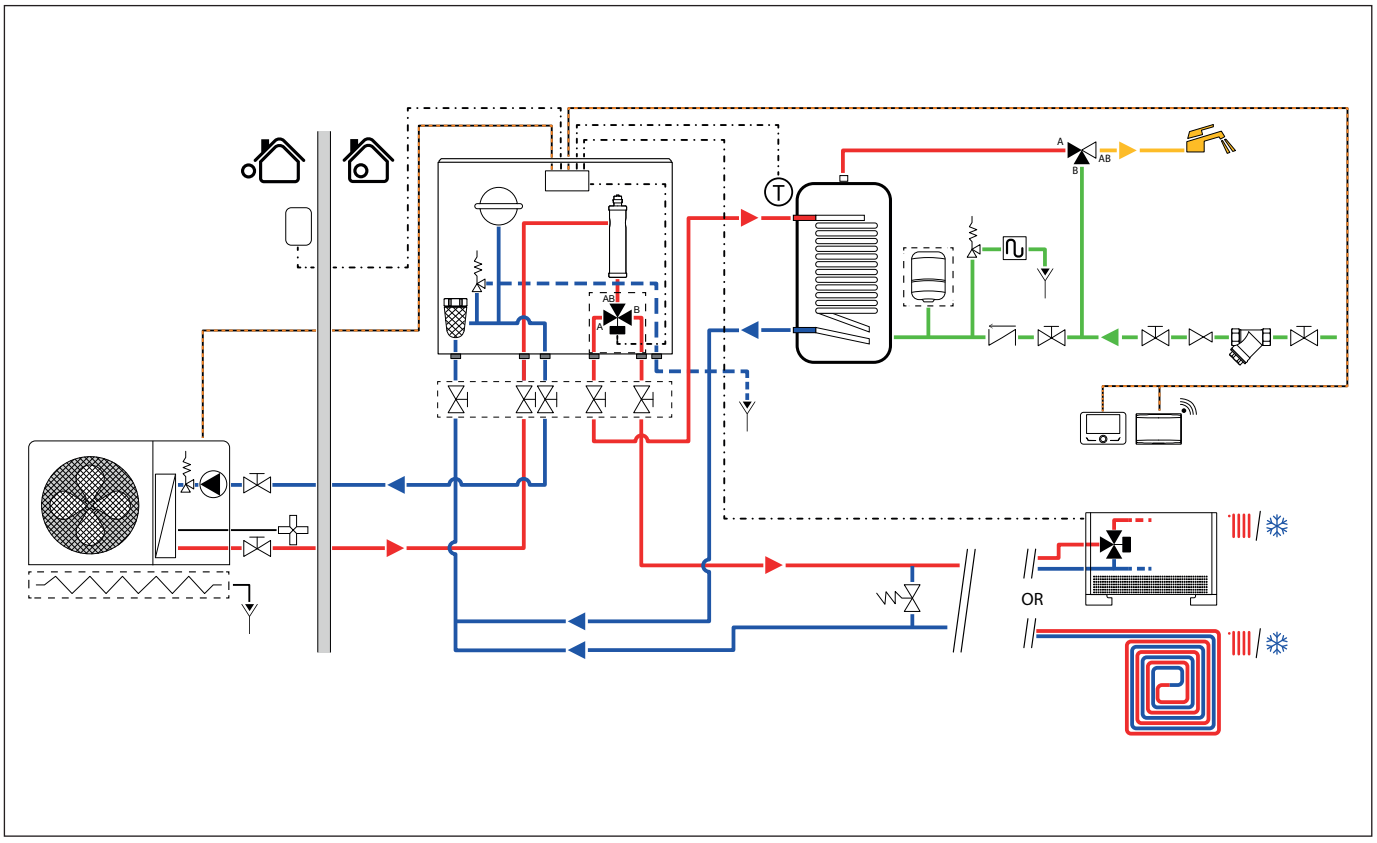
MONO

FLOOR STANDING

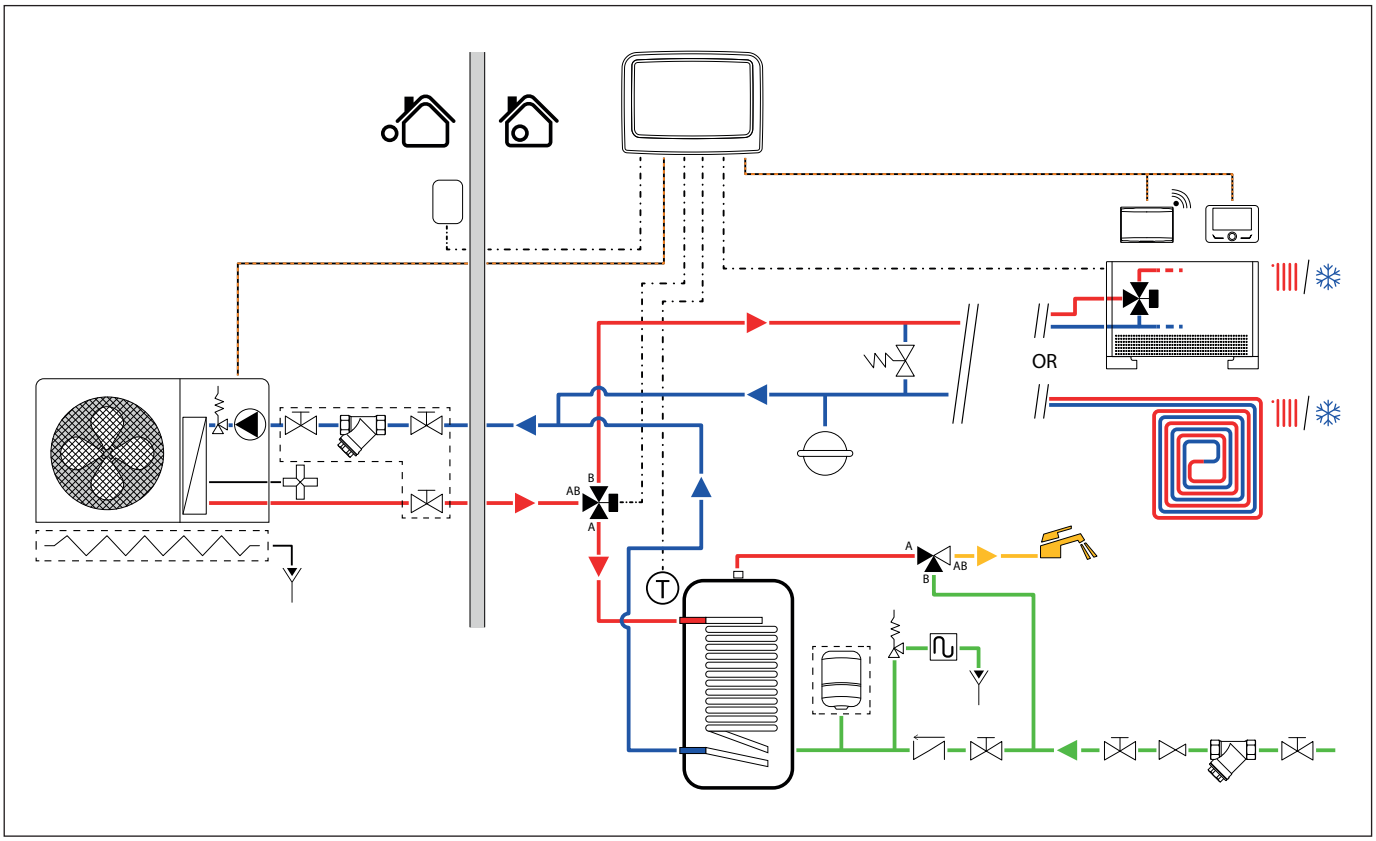
1 ZONE



WALL HUNG



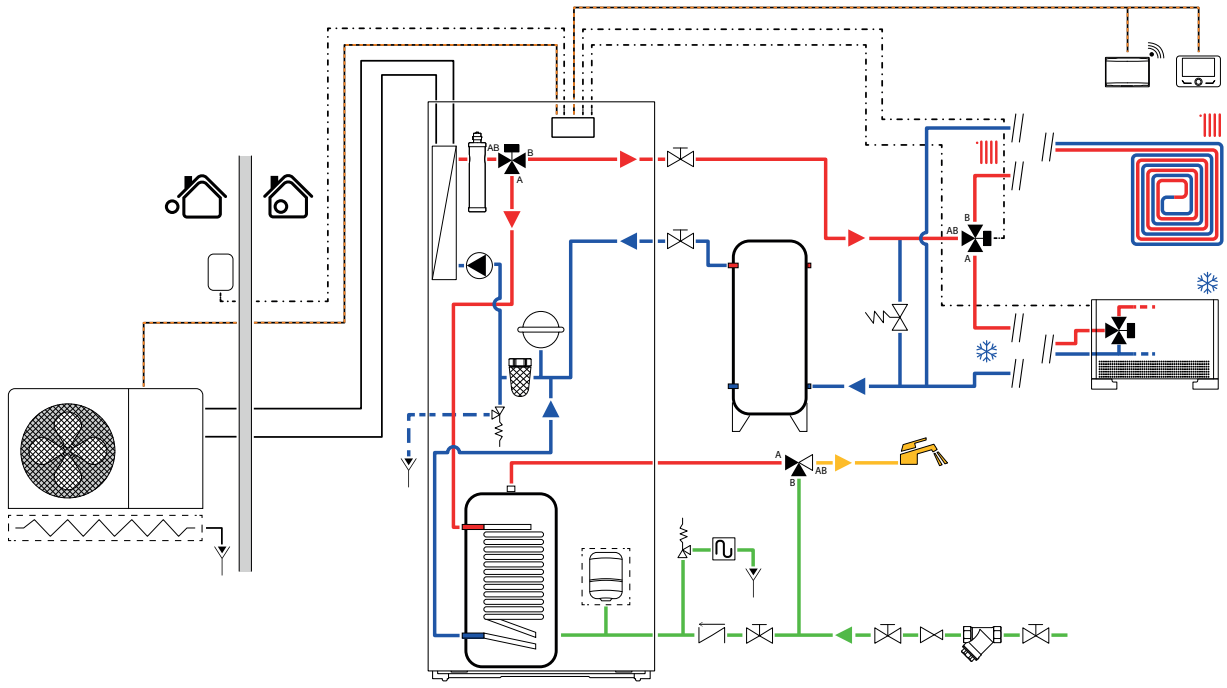
LIGHT BOX



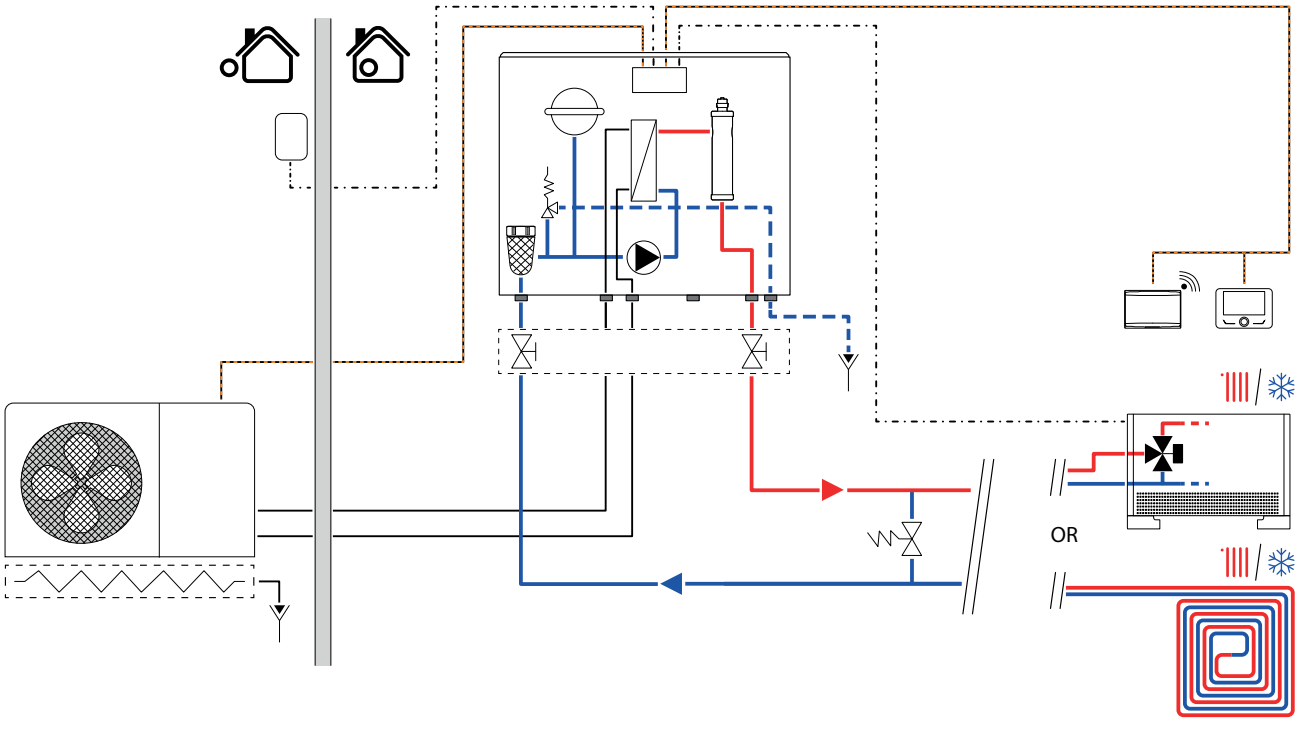
SPLIT

FLOOR STANDING

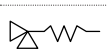
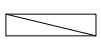
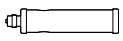
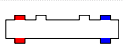
1 ZONE

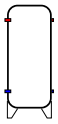
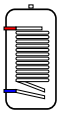
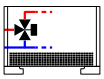
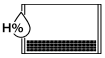


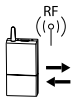
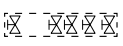
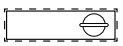
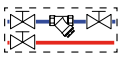
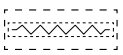
WALL HUNG



Key

Symbol	Description
	System flow
	System return
	Communication connection
	Electrical connection
	Domestic cold water inlet
	Domestic hot water outlet
	Refrigerant circuit
	Gas supply
	Circulation pump
	Shutter valve
	Diverter valve
	DHW 3-way mixing valve
	System 3-way mixing valve
	Safety valve
	Differential bypass valve
	Non-return valve
	DIRT SEPARATOR
	Y-shaped filter
	Discharge outlet
	Syphon
	Plate heat exchanger
	Manifold
	Hydraulic circuit-breaker

Symbol	Description
	Buffer tank
	Storage active
	DHW expansion vessel
	System expansion vessel
	NTC
	Low-temperature heating zone
	Radiator
	Fan coil unit
	Dehumidifier
	Outdoor Sensor
	RF external sensor
	Gateway
	Sensys NET HD
	CUBE S NET
	CUBE RF
	CUBE

Symbol	Description
	Timer-controlled thermostat
	Lightbox
	Zone manager
	2-zone wired control module
	2-zone wireless control module
	RF receiver
	Heating only
	Cooling only
	Heating / Cooling
	Living room
	Sleeping area
	Delivery temperature sensor
	Return temperature sensor
	Anti-freeze kit
	Kit barrette
	CKZ puffer kit
	Y-shaped filter kit
	Space heating supplementary heating element kit

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