QUICK START GUIDE

ARISTON

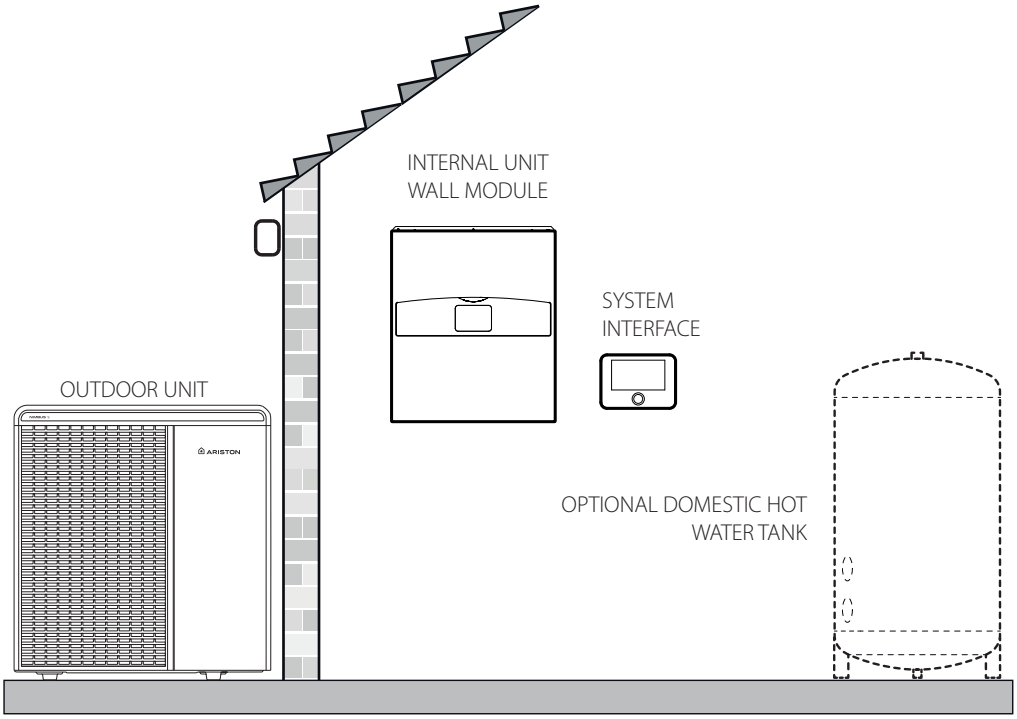
EN **WARNING!**
This document provides a general commissioning check-list that can be used as a guide but note that it is only a summary of the information provided in the TECHNICAL INSTRUCTIONS FOR INSTALLATION AND MAINTENANCE manual.
Please refer to this manual for safety information and read it carefully before carrying out installation.



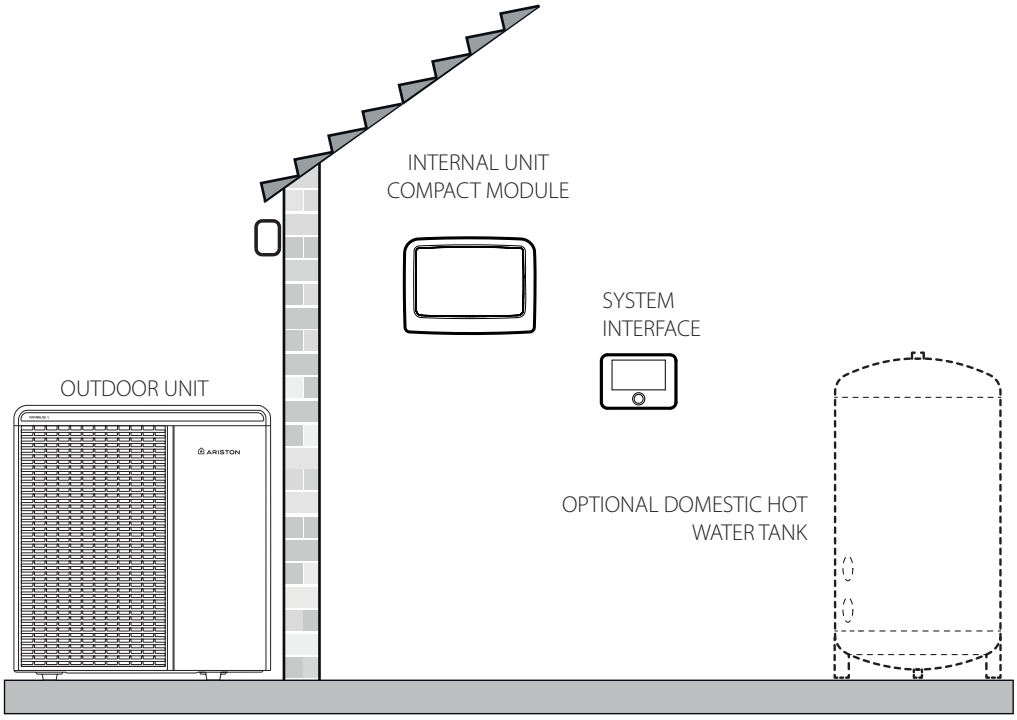
SYSTEM DESCRIPTION

If I am installing....

✔ WALL MODULE HEATING AND COOLING SOLUTION

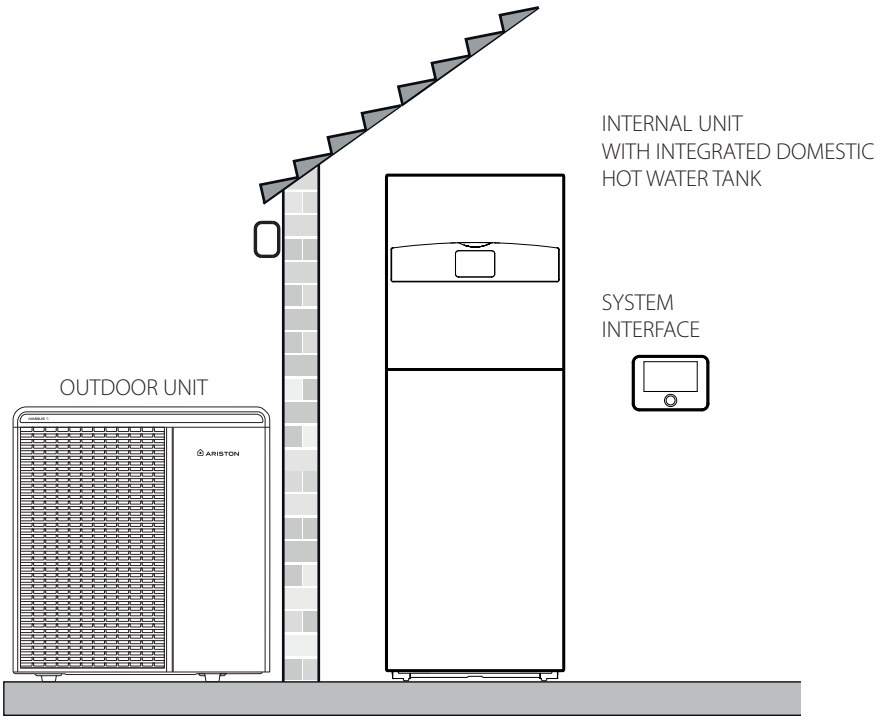


✔ COMPACT MODULE HEATING AND COOLING SOLUTION

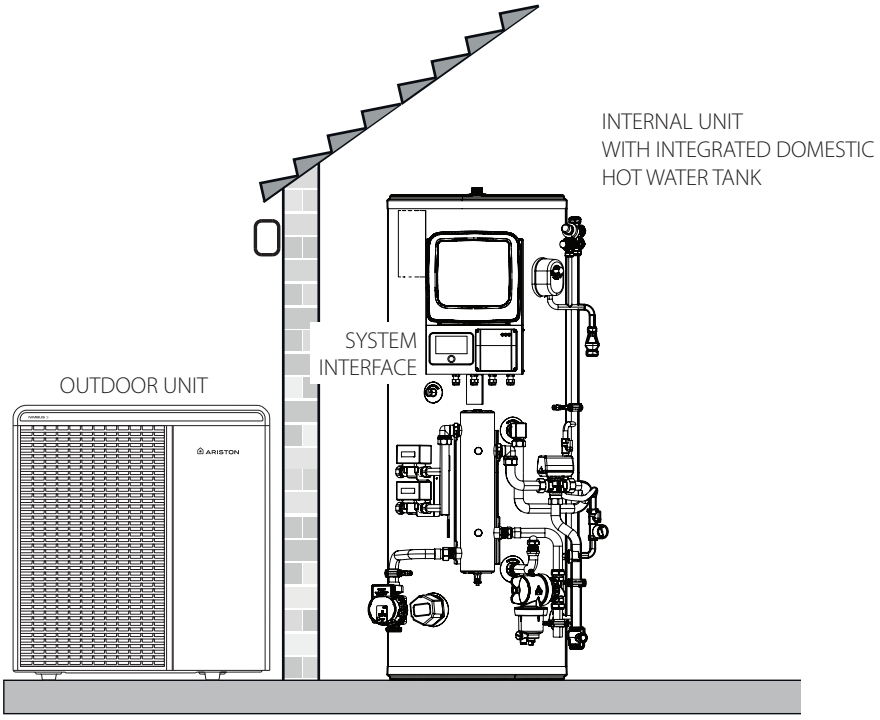


Should I add a domestic hot water tank?
I need a three-way valve and a domestic hot water tank sensor.
Please refer to the technical documentation supplied with the product.

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



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

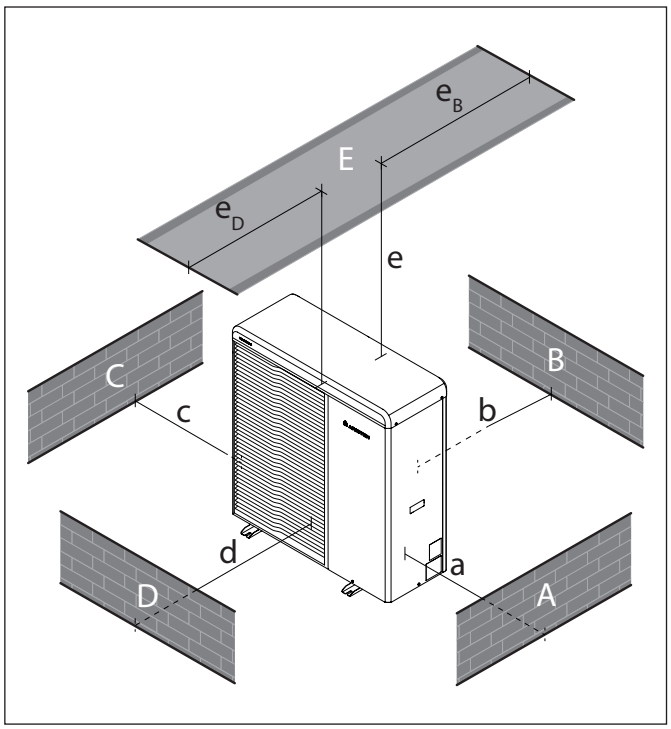


CHECKLIST (1/3)

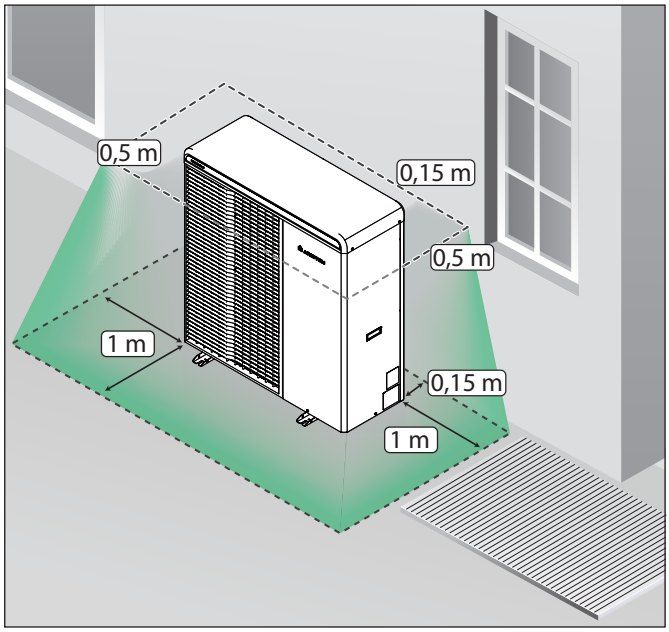
The indoor and outdoor units must always be installed by a qualified engineer. For details of the individual stages, consult the installation manual.

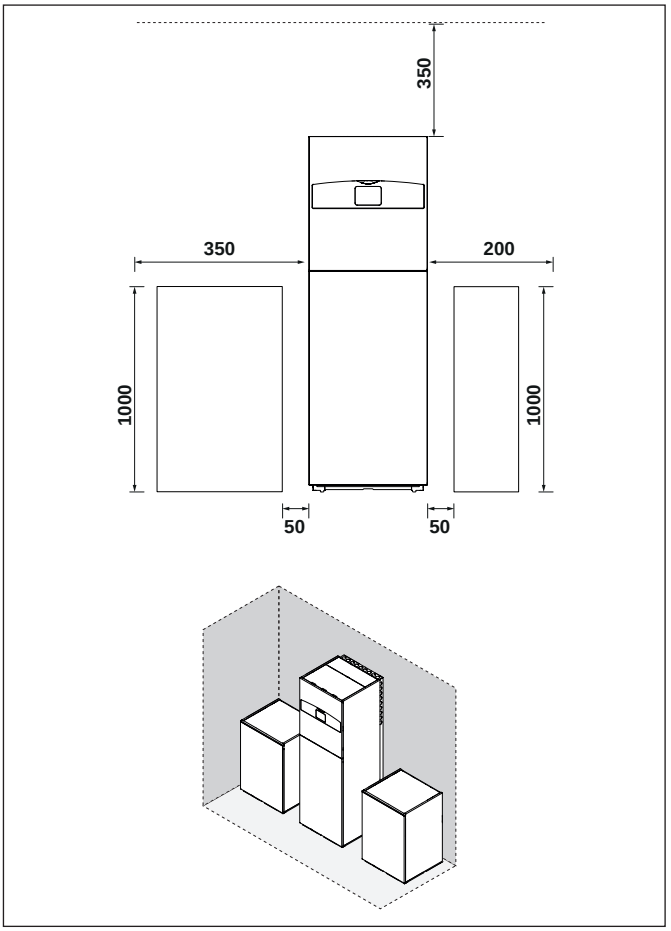
PRELIMINARY CHECKS

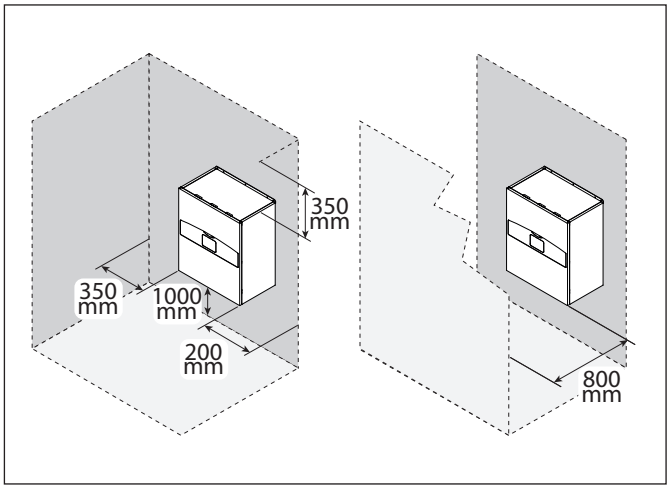
Have I cleaned the system and the domestic hot water tank (where present)?	❑
Have I checked the suitability of the water quality?	❑
Where am I installing the unit? I need to check that: • The outdoor unit complies with the minimum wall, ceiling and floor distances. • The outdoor unit complies with the required safety area • The indoor unit complies with the minimum wall and ceiling distances. • The system interface is the correct distance from the floor (1.5 m), heat sources, draughts, and external openings. • The outdoor sensor is on the north wall at the correct distance above the ground (2.5 m).	❑

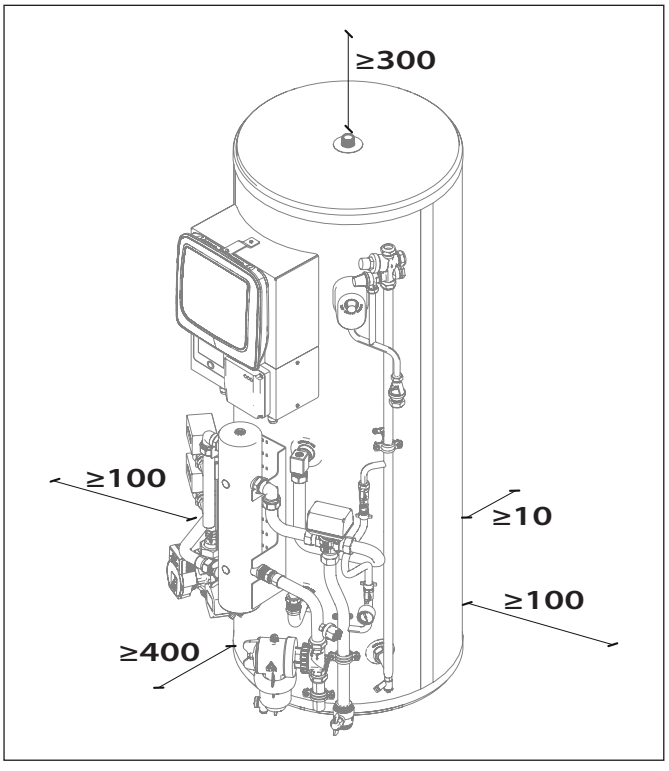


	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	e_D [mm]	e_B [mm]
A	≥300						
B		≥150					
C			≥150				
D				≥500			
E					≥150		
AB	≥300	≥150					
AC	≥300		≥150				
AD	≥300			≥1000			
AE	≥300				≥500		
BC		≥150	≥150				
BD		≥150		≥1000			
BE		≥150			≥500		≥150
CD			≥150	≥1000			
CE			≥150		≥500		
DE				≥1000	≥1000	≥1000	
ABC	≥300	≥150	≥150				
ABD	≥300	≥150		≥1000			
ABE	≥300	≥150			≥500		≥150
ACD	≥300		≥150	≥1000			
ACE	≥300		≥150		≥500		
ADE	≥300			≥1000	≥1000	≥1000	
BCD		≥150	≥150	≥1000			
BCE		≥150	≥150		≥500		≥150
BDE		≥150		≥1000	≥1000	≥1000	≥150
CDE			≥150	≥1000	≥1000	≥1000	
ABCD	not allowed						
ABCE	≥300	≥150	≥150		≥500		≥150
ABDE	≥300	≥150		≥1000	≥1000	≥1000	≥150
ACDE	≥300		≥150	≥1000	≥1000	≥1000	
BCDE		≥150	≥150	≥1000	≥1000	≥1000	≥150


0,5 m
0,15 m
0,5 m
1 m
0,15 m
1 m


350
350
200
1000
1000
50
50


350
mm
350
mm
1000
mm
200
mm
800
mm


≥300
≥100
≥10
≥100
≥400

CHECKLIST (2/3)

The indoor and outdoor units must always be installed by a qualified engineer. For details of the individual stages, consult the installation manual.

OUTDOOR UNIT

Have I placed the unit outside?	❑
Have I installed an additional separator filter on the return pipe to the outdoor unit inlet?	❑
Have I fitted the vibration dampers?	❑
Have I placed the unit on a strong and perfectly horizontal base, and in an easily accessible position for subsequent maintenance tasks?	❑
Have I fitted a screen in case of significant draughts?	❑
Am I sure that there is no obstacle limiting the flow of air?	❑
Am I sure that the supporting structure is strong enough for the weight of the outdoor unit?	❑
Does it snow a lot in the installation location? If yes, have I positioned the outdoor unit at least 200 mm above the unusual snowfall level?	❑

INTERNAL UNIT

Have I placed the unit in a closed room and in an easily accessible position for facilitating subsequent maintenance tasks?	❑
Have I fixed the unit properly to the wall or floor?	❑
Have I installed a condensate tray and connected the discharge outlet?	❑

HYDRAULIC CIRCUIT AND SAFETY REQUIREMENTS

Have I installed an additional separator filter on the return pipe to the outdoor unit inlet?	❑
Have I used the minimum number of air vent valves necessary for proper venting during system filling and first start-up?	❑
- If automatic air vent valves are installed, are they vented outdoors?	❑
- If manual air vent valves are used, are they closed after system filling to avoid any unintended refrigerant release?	❑
Have I avoided installing additional safety valves on the hydraulic circuit? (The circuit is already protected by the 2.5 bar safety valve on the outdoor unit.)	❑
- If an additional safety valve is installed and cannot be removed:	
- is the safety valve vented outdoors?	❑
- If outdoor venting is not possible, have I selected a pressure setting that considers the height difference between the ODU and the hydraulic circuit, ensuring that the ODU valve opens first in case of over-pressure?	❑

WARNING!

Height guidelines for safety valve setting:

- If the ODU is installed at the same level or up to 3 m above the hydraulic circuit: a 3 bar setting for the indoor safety valve is acceptable.
- If the ODU is installed more than 3 m above the hydraulic circuit: select a higher setting for the indoor valve to ensure the ODU valve opens first.

CHECKLIST (3/3)

The indoor and outdoor units must always be installed by a qualified engineer. For details of the individual stages, consult the installation manual.

PLUMBING CONNECTIONS

Have I checked that the pressure of the water supply is not higher than 5 bar, and if it is, have I fitted a pressure reducer at the system's intake?	❑
Have I filled the system at a pressure of less than 2.5 bar (recommended pressure = 1.2 bar)?	❑
Have I checked that the system is sealed?	❑
Have I correctly connected the system filling tubes and the tubes connecting to the heating/cooling and domestic hot water systems (where present?) (direction, seal of the gaskets, no water leaks, etc.)	❑
Is the expansion vessel supplied sufficient for the system? Is it precharged to 1 bar?	❑
Have I checked that the air relief valve inside the unit on the water return branch is open?	❑
Have I checked that the volume of the system complies with the minimum water volume requirement specified in the manual?	❑
Have I checked that the minimum operating flow is guaranteed? If not, have I installed an additional circulator pump?	❑
Have I checked that a differential by-pass is fitted?	❑
Have I checked that an air vent valve is fitted at the highest point of the system?	❑

ELECTRICAL CONNECTIONS

Have I checked that the electrical connections match the diagrams in the installation manual and have they been correctly connected?	❑
Does the mains power voltage and frequency match the data stated on the identification plate?	❑
Is the system correctly sized to support the power consumption of the units installed (see identification plate)?	❑
Has the electrical mains connection been made with a fixed support and fitted with a two-pole switch?	❑
Have I first and correctly made the earthing connection?	❑
Have I correctly installed the surge protection devices, residual-current devices, safety switches, and output circuit breakers on the electrical panel which supplies the indoor and outdoor units, in accordance with all legal requirements? Have I correctly sized the residual current devices and safety switches (see instructions in the manual)?	❑

If, and only if, I have answered "yes" to the above questions, I can start the outdoor and indoor units and proceed with the:

FIRST IGNITION

This procedure must be carried out by qualified personnel, in line with the requirements of the F-Gas legislation.

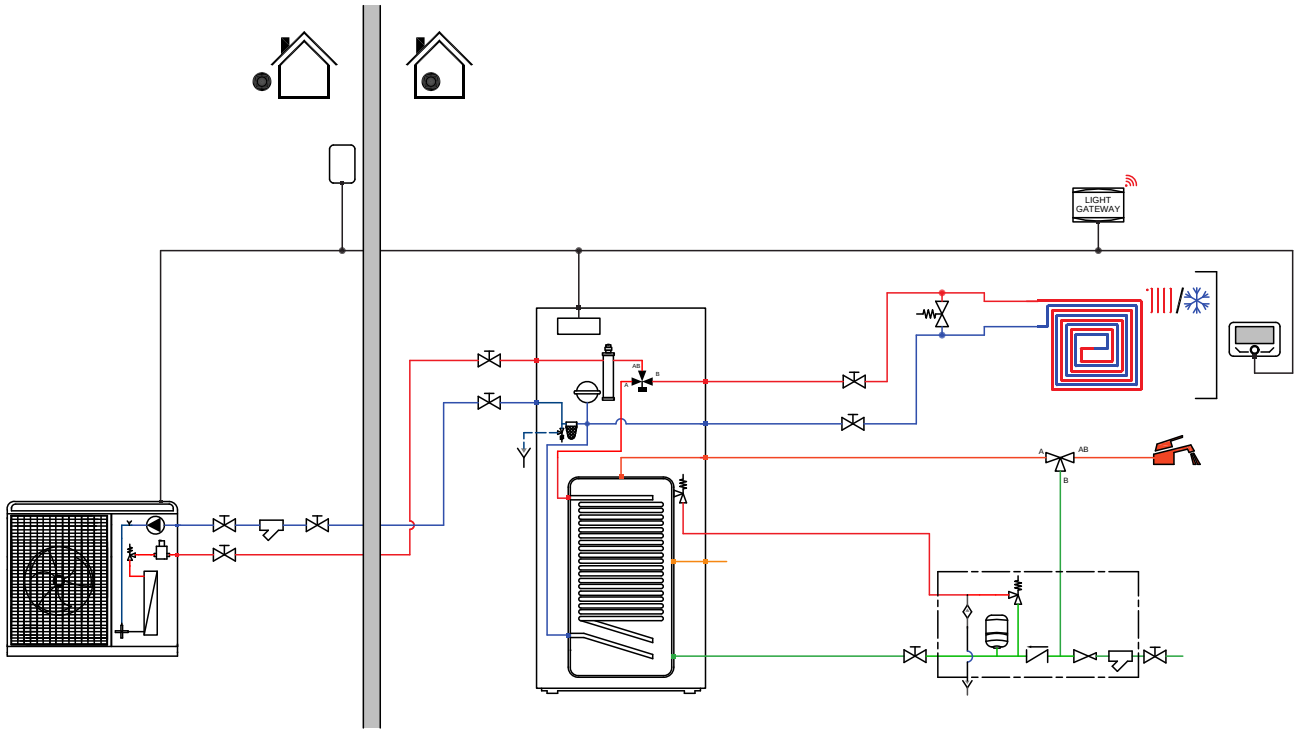
Have I checked that the ATG TDM connection between the indoor unit, outdoor unit and the system interface has been made correctly?	❑
Have I carefully followed the parameters configuration procedure shown step-by-step on the interface?	❑
Have I checked that no errors or faults have been reported?	❑
Have I checked the default parameter settings in the Technical Area, to ensure that they match the characteristics of my installation? Have I paid particular attention to the selection of the correct temperature range for the different zones (refer to the relevant parameters in the installation manual)?	❑
After having configured all of the other parameters, have I vented the system (parameter 1.12.0)?	❑
Have I tested the correct operation of the system? (Test the operation of the heating and, where applicable, the cooling and generation of domestic hot water).	❑
Have I checked that the outdoor and indoor units are not excessively noisy and that the compressor is working correctly?	❑
Have I checked that there are no vibrations and consequent noise relating to the structure (flexible connections, ground-transmitted vibrations, etc.)?	❑

BASIC DIAGRAMS - EXAMPLES

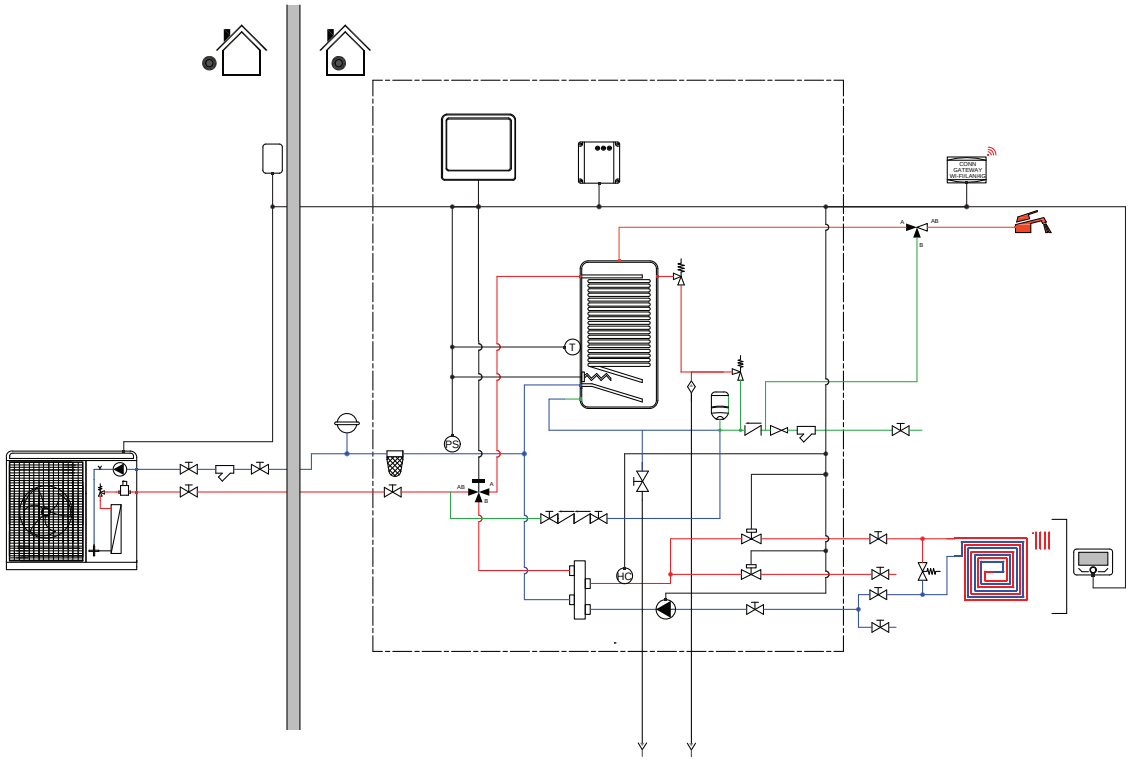
MONO

FLOOR STANDING

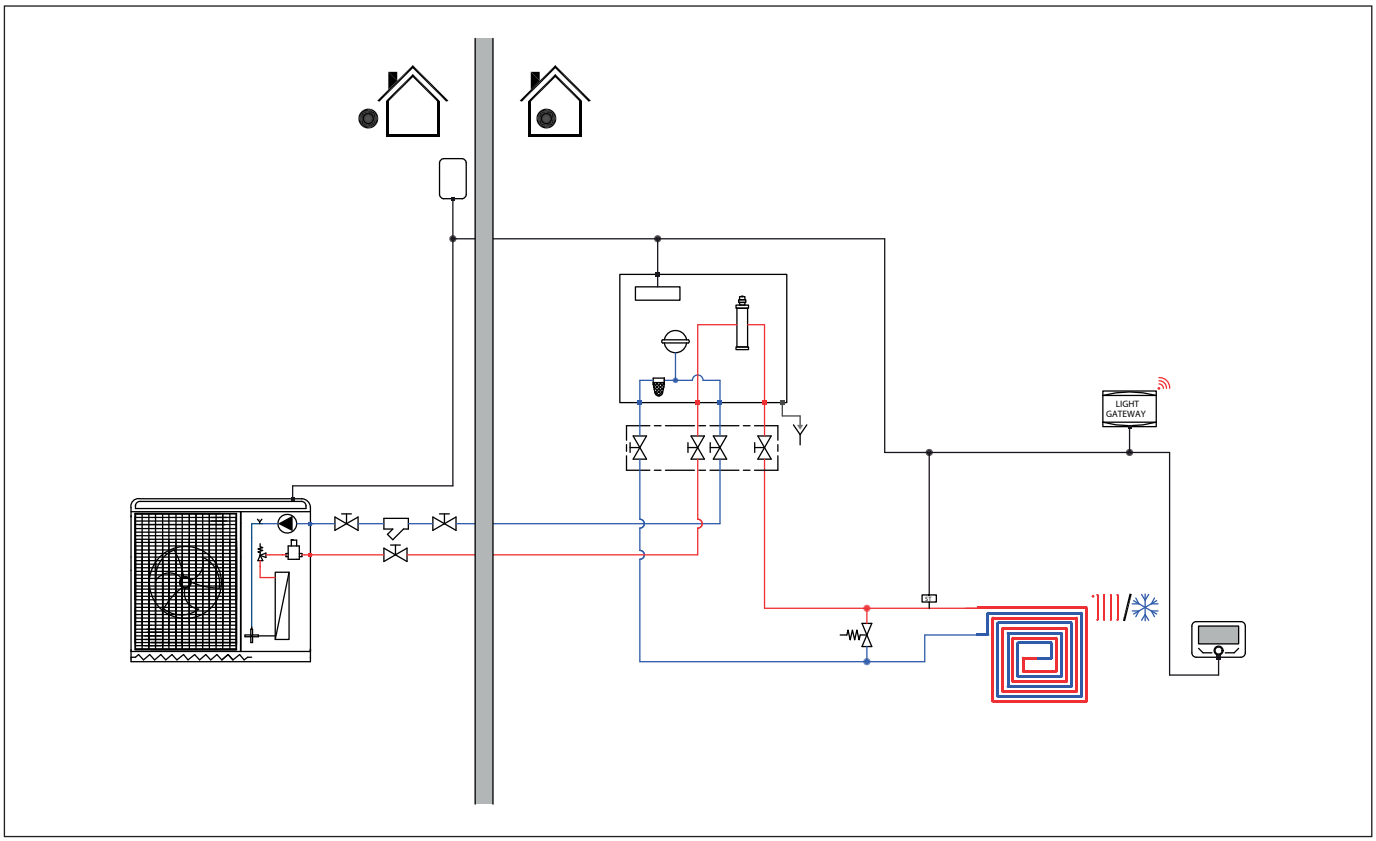
1 ZONE



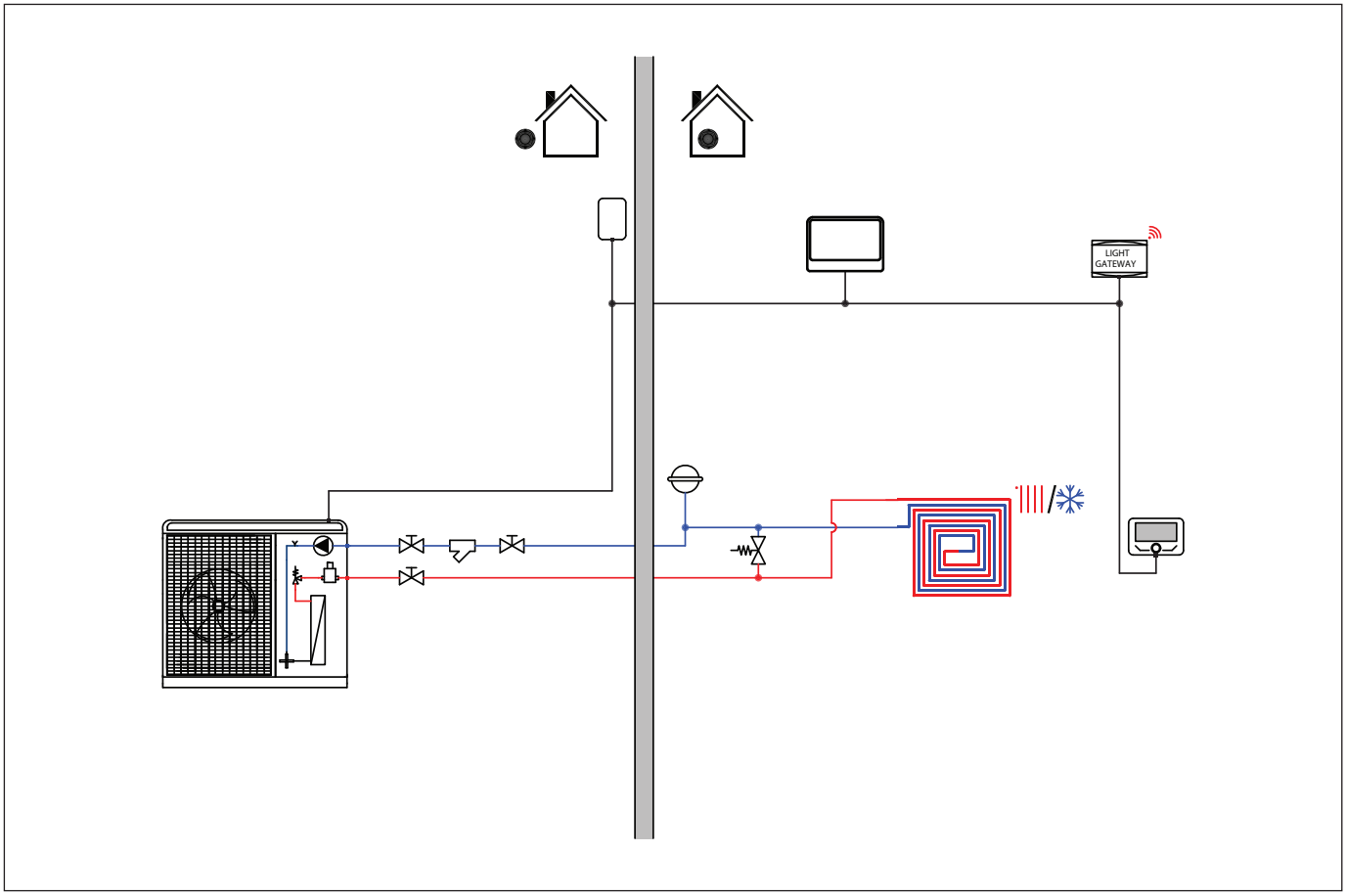
PREPLUMBED



WALL HUNG



LIGHT BOX



Key

Symbol	Description
	System flow
	System return
	Communication connection
	Electrical connection
	Domestic cold water inlet
	Domestic hot water outlet
	Domestic mixed water
	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
	Sludge filter
	Y-shaped filter
	Discharge outlet
	Syphon
	Plate heat exchanger
	Manifold
	Thundish

Symbol	Description
	Hydraulic Kit
	Hydraulic circuit-breaker
	Buffer
	Domestic hot water tank
	DHW expansion vessel
	System expansion vessel
	NTC
	Low-temperature heating zone
	Radiator
	Fan coil unit
	Dehumidifier
	Outdoor sensor
	RF outdoor sensor
	Gateway
	Sensys HD 2
	CUBE S NET
	CUBE RF

Symbol	Description
	CUBE
	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
	Drain Pan supplementary heating element

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