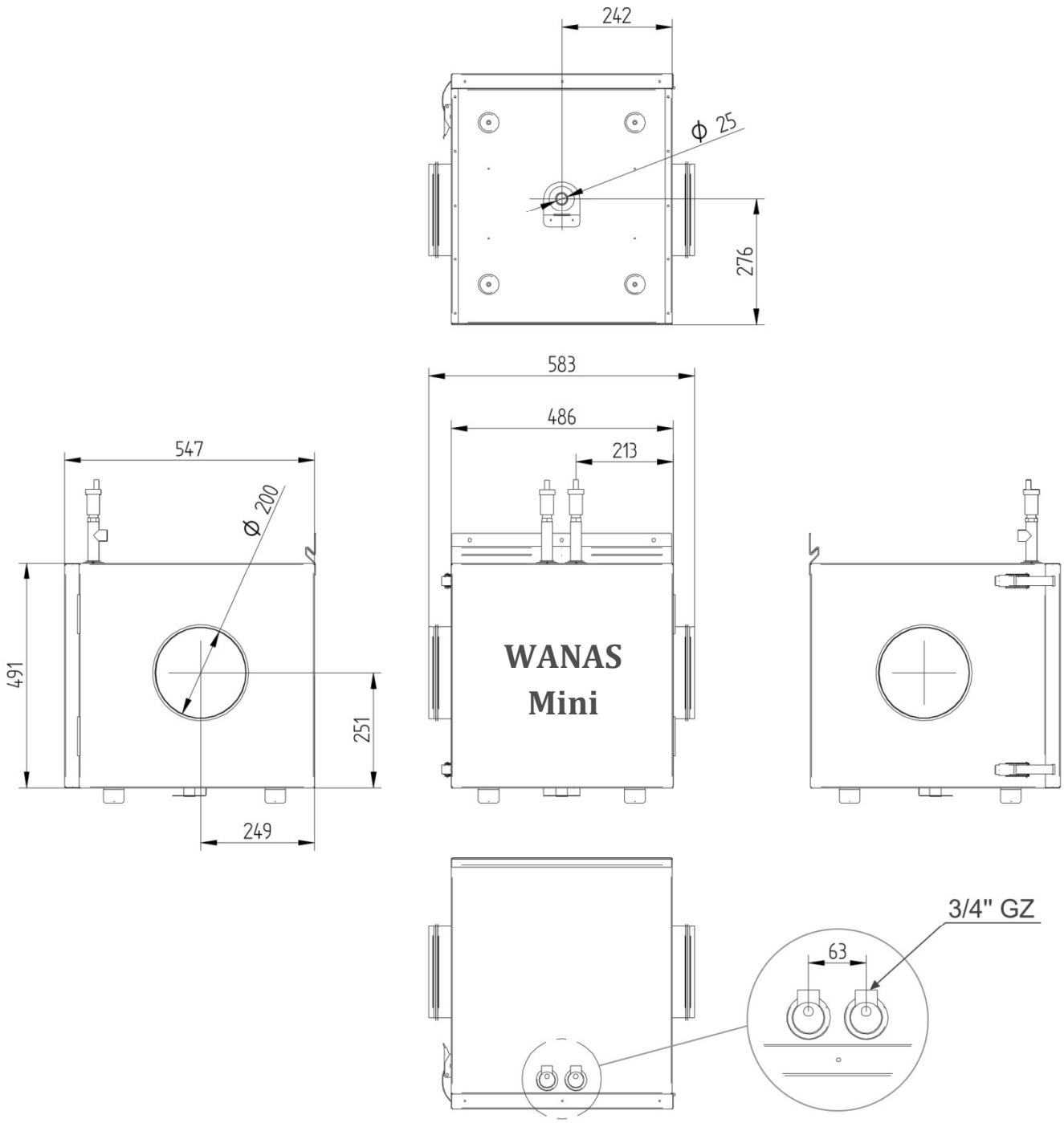
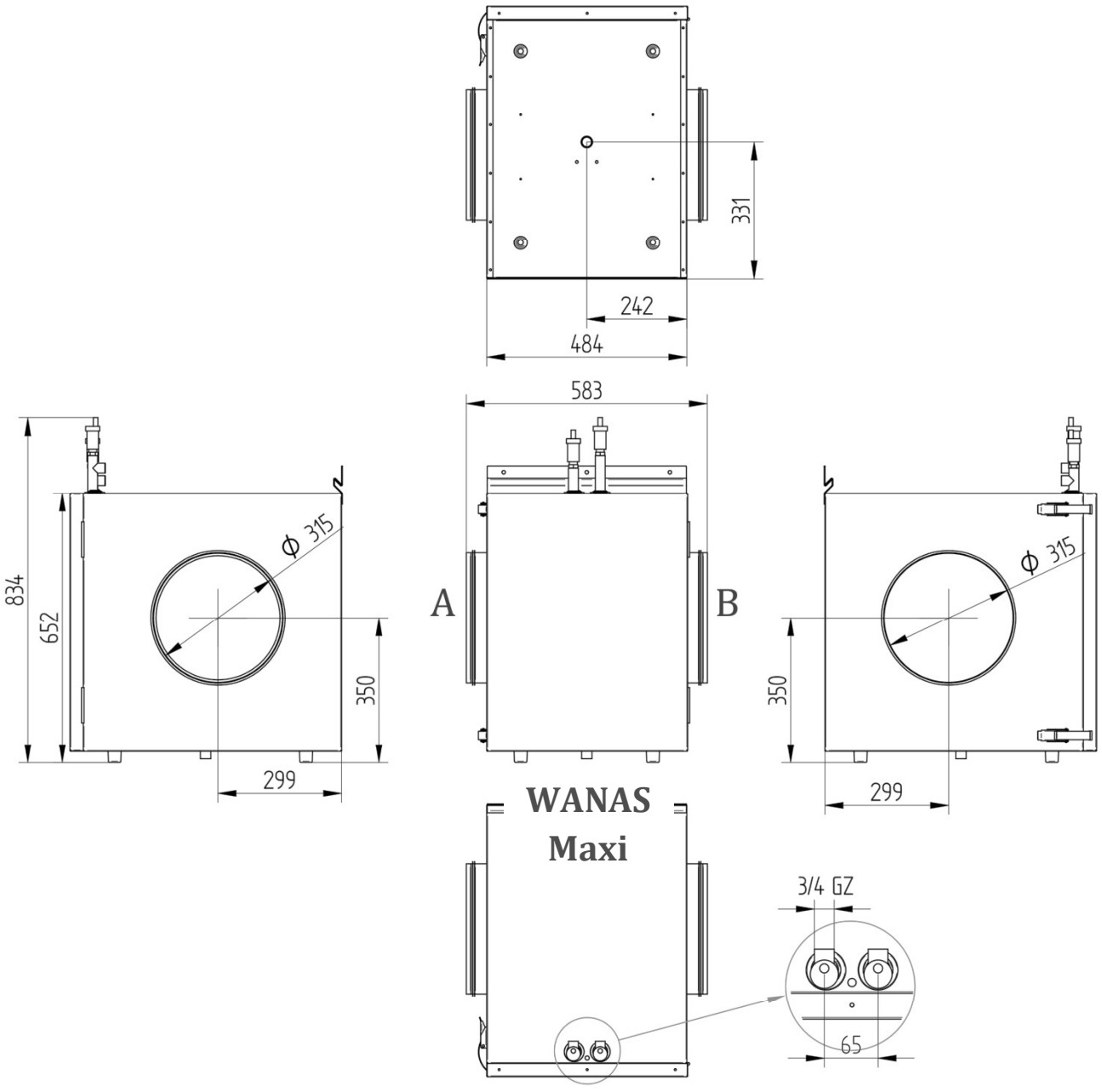
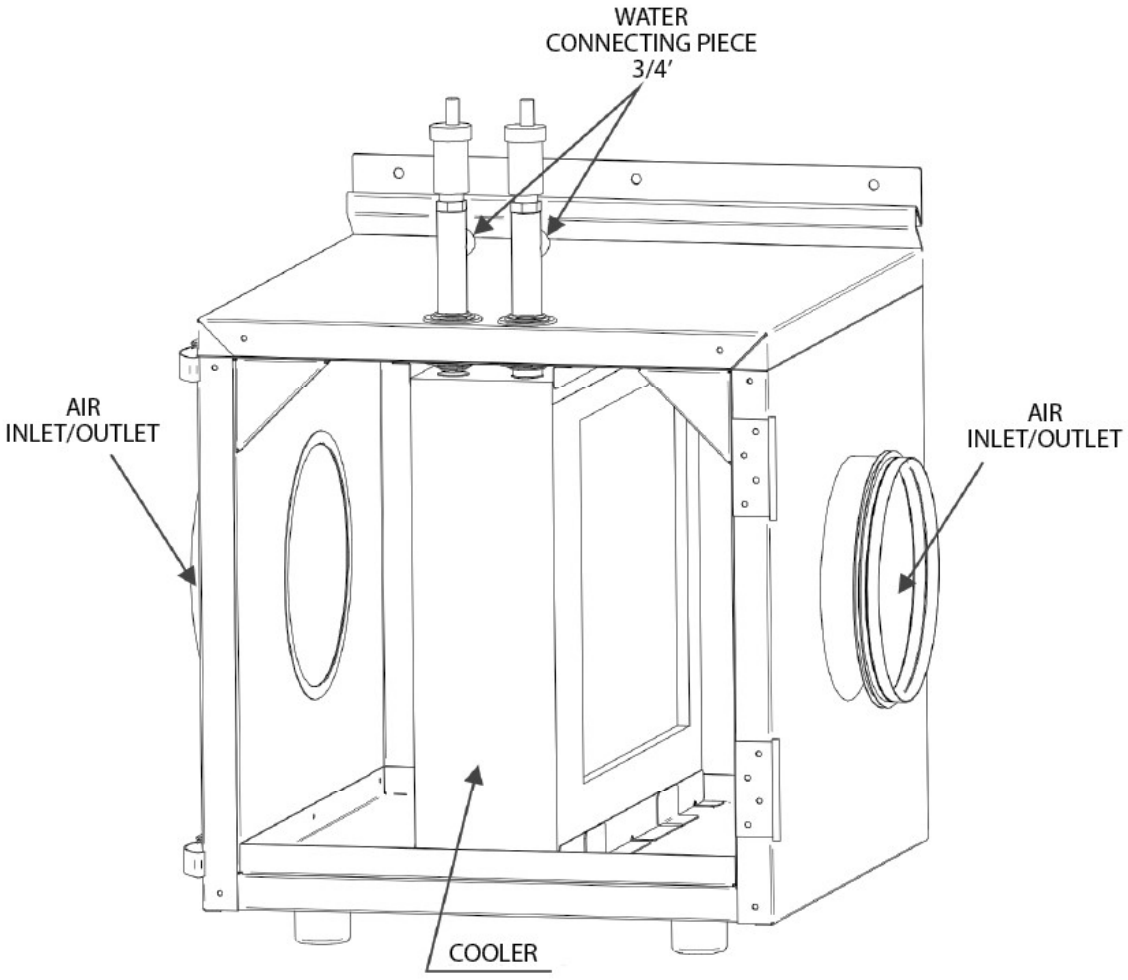
2. DIMENSIONS AND CONSTRUCTION OF THE COOLER




331
242
484
583
834
652
Ø 315
350
299
A
B
Ø 315
350
299
WANAS
Maxi
3/4 GZ
65


WATER
CONNECTING PIECE
3/4'
AIR
INLET/OUTLET
AIR
INLET/OUTLET
COOLER

3. PARAMETERS

Recommended flow rate	m^3/h	600	1300
Efficiency to	kW	3,10	7,3
Energy consumption	W	-	-
Weight	kg	29,5	45,5
Connector arrangement	-	universal	

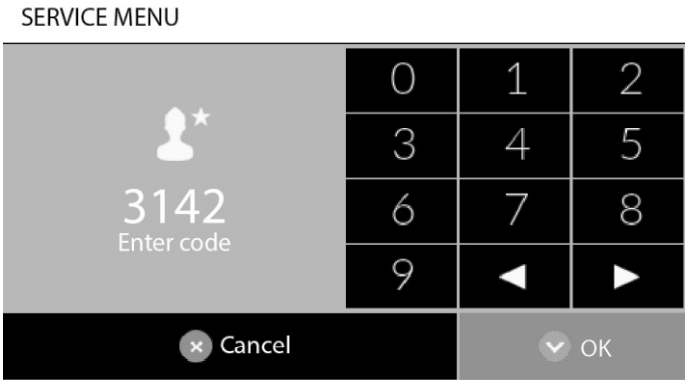
Specification of Wanas Mini Cooler										
Ethylene Glycol 40%, 6/12°C										
Air		Inlet Air Temp.	Inlet Air Humidity	Outlet Air Temp.	Outlet Air Humidity	Power	Active power	Water Flow	Water Pressure Drop	Air Pressure Drop
m^3/h	m/s	°C	%	°C	%	kW	kW	m^3/h	kPa	Pa
200	1,5	32	45	15,5	86,9	1,7	1,0	0,28	2,42	29,2
		30	45	15,2	85,7	1,4	1,0	0,23	2,02	28,5
		25	50	14,2	84,8	0,9	0,7	0,15	1,33	27,7
400	1,5	32	45	19,1	80,5	2,4	1,6	0,40	4,00	63,2
		30	45	18,3	79,3	2,0	1,5	0,33	2,86	60,5
		25	50	15,7	83,8	1,4	1,2	0,23	2,03	57,6
600	2,2	32	45	21	77,4	2,8	2,1	0,47	5,21	100,4
		30	45	19,6	78,1	2,4	2	0,40	3,95	95,4
		25	50	16,4	83,0	1,8	1,7	0,3	2,56	90,2
800	2,9	32	45	22,1	75,3	3,1	2,5	0,52	6,3	154,3
		30	45	20,2	78,1	2,8	2,5	0,47	5,2	166,6
		25	50	17,2	79,8	2,1	2,0	0,34	3,0	159,9

Specification of WANAS Maxi Cooler										
Ethylene Glycol 40%, 6/12°C										
Air		Inlet Air Temp.	Inlet Air Humidity	Outlet Air Temp.	Outlet Air Humidity	Power	Active power	Water Flow	Water Pressure Drop	Air Pressure Drop
m^3/h	m/s	°C	%	°C	%	kW	kW	m^3/h	kPa	Pa
300	0,42	32	45	11,6	99,9	3,29	2,08	0,52	1	4,3
		30	45	11,5	100	2,76	1,89	0,44	0,8	4,1
		25	50	11,0	100	1,87	1,42	0,3	0,5	3,9
600	0,84	32	45	14,6	99,9	5,07	3,56	0,81	1,79	13,2
		30	45	14,2	98,5	4,25	3,22	0,68	1,41	12,8
		25	50	13,5	93,3	2,82	2,34	0,45	0,84	11,3
		32	45	16,9	92,3	6,33	4,62	1,02	2,44	25,6

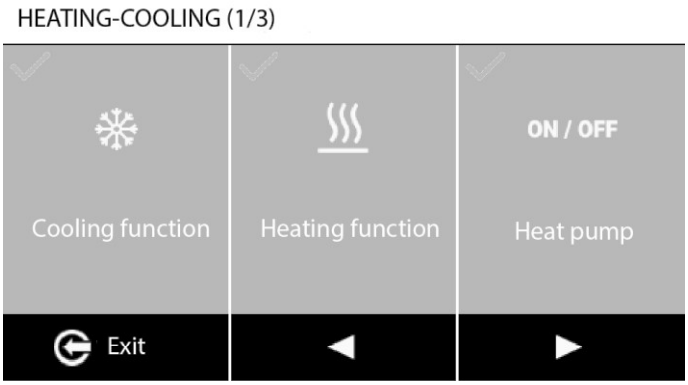
900	1,26	30	45	16,6	88	5,31	4,11	0,86	1,93	24,6
		25	50	15,4	84,5	3,47	2,93	0,56	1,1	21,3
1200	1,68	32	45	18,8	84,7	7,33	5,41	1,18	3,04	41
		30	45	18,3	80,8	6,09	4,76	0,97	2,31	38,6
		25	50	16,7	78,6	3,95	3,36	0,63	1,28	33,5

4. FUNCTION ACTIVATION

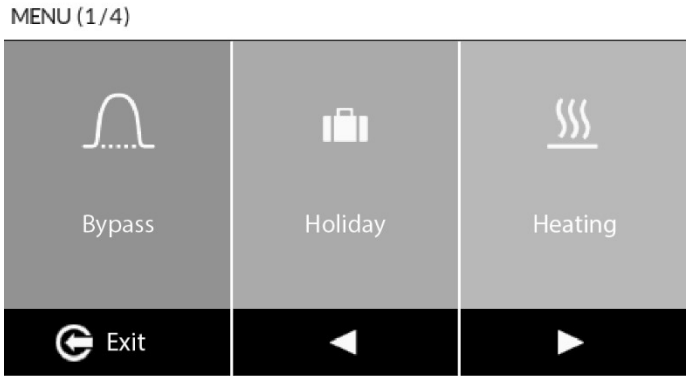
4.1. Heating and cooling

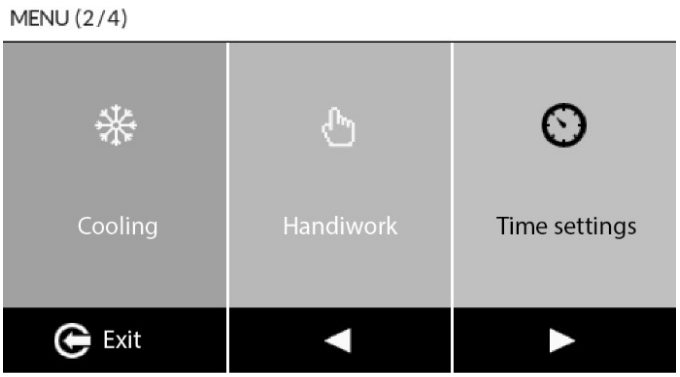


The heating and/or cooling function is activated in the Service Menu.

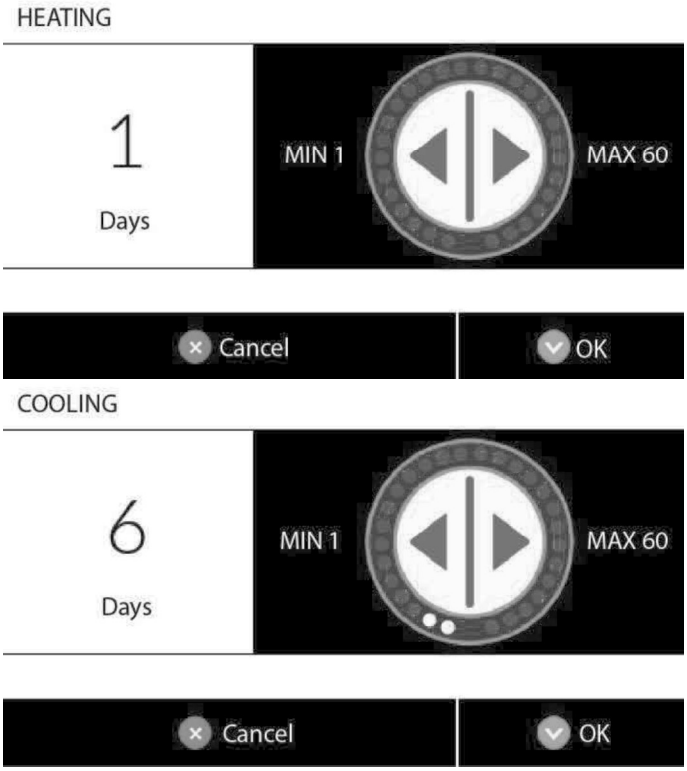


Active functions are indicated by a flashing tick.





HEATING/COOLING Function – After activating the function, an HEATING/COOLING icon will appear in the Main Menu.



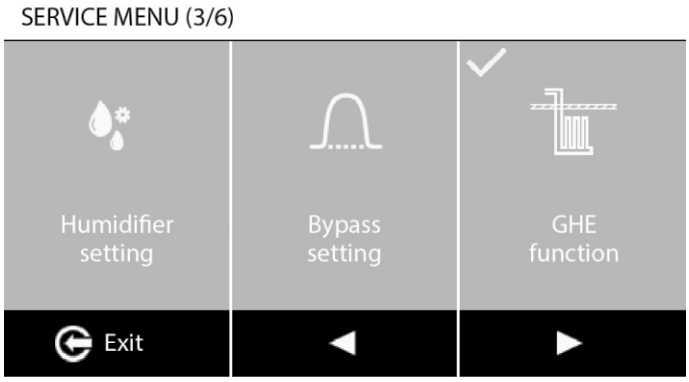
Select the option you want to activate and the number of days for which it should be activated.

• Heating is activated when the room temperature is lower than the set temperature in the weekly program.

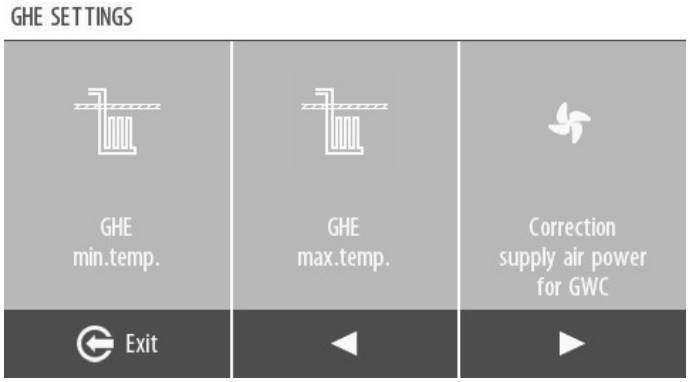
• The cooler is activated when the room temperature is higher than the set temperature in the program menu.

WARNING: The water heater/cooler is not intended for heating the building but for pre-heating/cooling the supply air. When installing the heater, you can connect an additional temperature sensor on the supply air duct one meter downstream of the heater. The sensor should be connected to the EXTRA TEMP additional temperature input. Activate it in the service menu under the "EXTRA TEMP Sensor" tab by selecting the "On Supply" option.

4.2. GWC



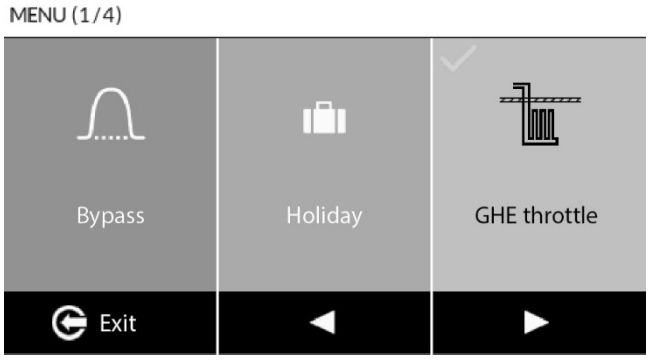
The GWC function is activated in the Service Menu. The active function is indicated by a flashing "tick." To activate the GWC, an additional external air temperature sensor must be installed.



Min. GWC Temperature – The temperature below which the GWC will activate, applicable for the winter period. Recommended: -5°C

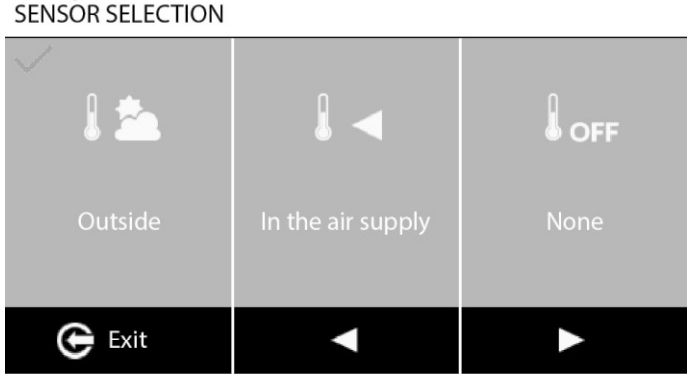
Max. GWC Temperature – The temperature above which the GWC will activate, applicable for the summer period. Recommended: +25°C

Airflow Adjustment for GWC – The ability to increase the supply fan power to balance the air resistance through the GWC. When the GWC is activated, the fan will automatically adjust its performance by the set correction value. In heat recovery units with the XF system, this adjustment occurs automatically.



After activating the GWC function, an **GWC DAMPER** icon will appear in the Main Menu.

In the Main Menu, the operating range of the GWC, set in the Service Menu, is visible. Temperature adjustments should only be made in the Service Menu.

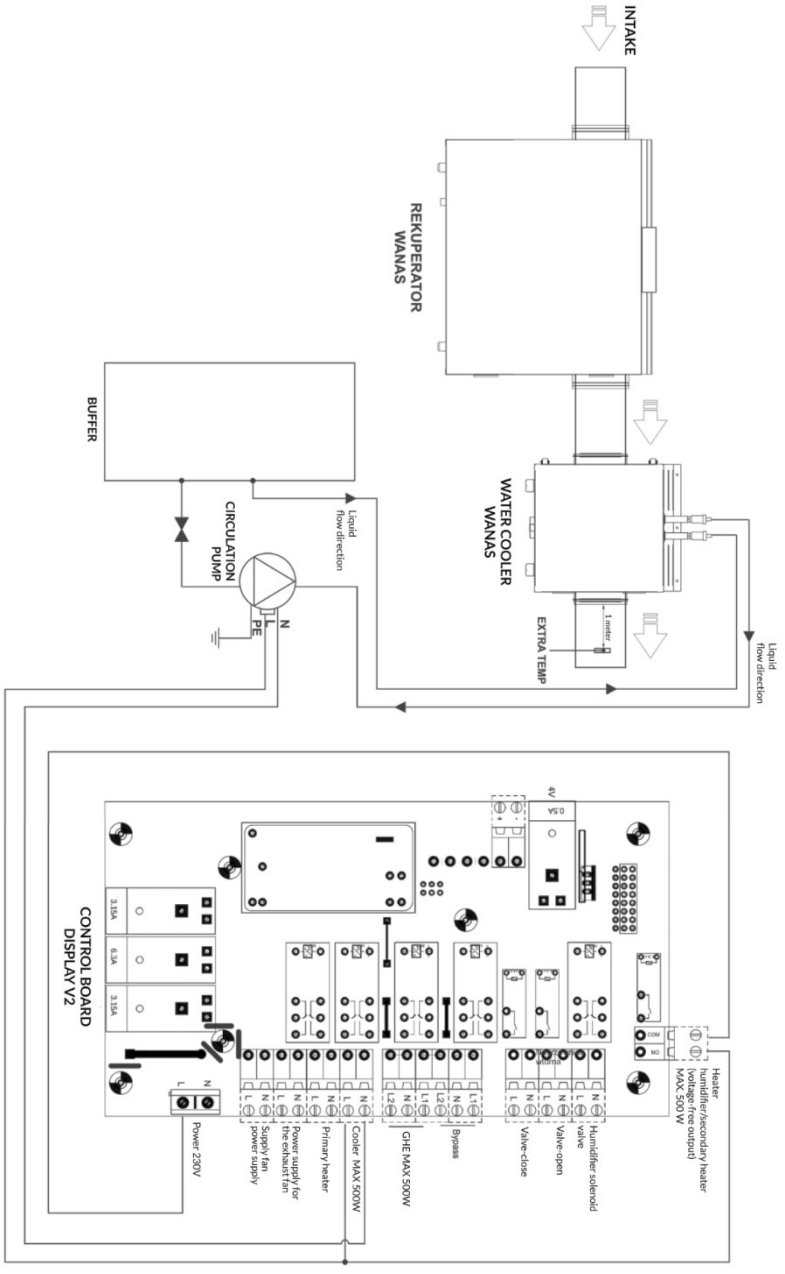


When connecting the GWC to the main board, the external temperature sensor W-1000 must be plugged into the EXTRA TEMP input and activated in the Service Menu under the "EXTRA TEMP Sensor" tab by selecting the "External" option.

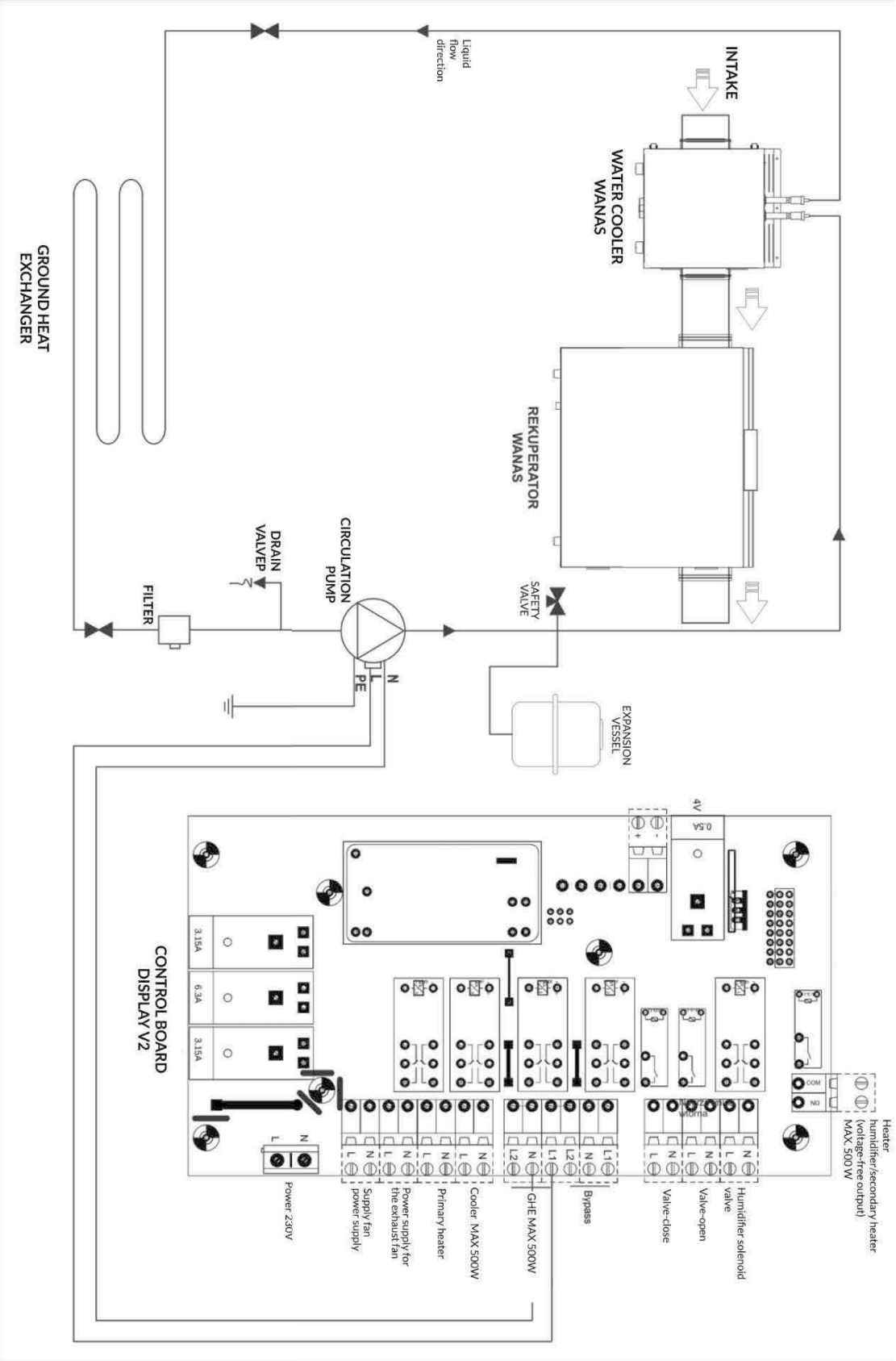
The sensor should be placed in a shaded location outside the building on the wall where the intake is installed. During the summer, when the GWC is activated, the bypass always opens to prevent air from passing through the heat exchanger and being heated.

5. CONNECTION DIAGRAMS

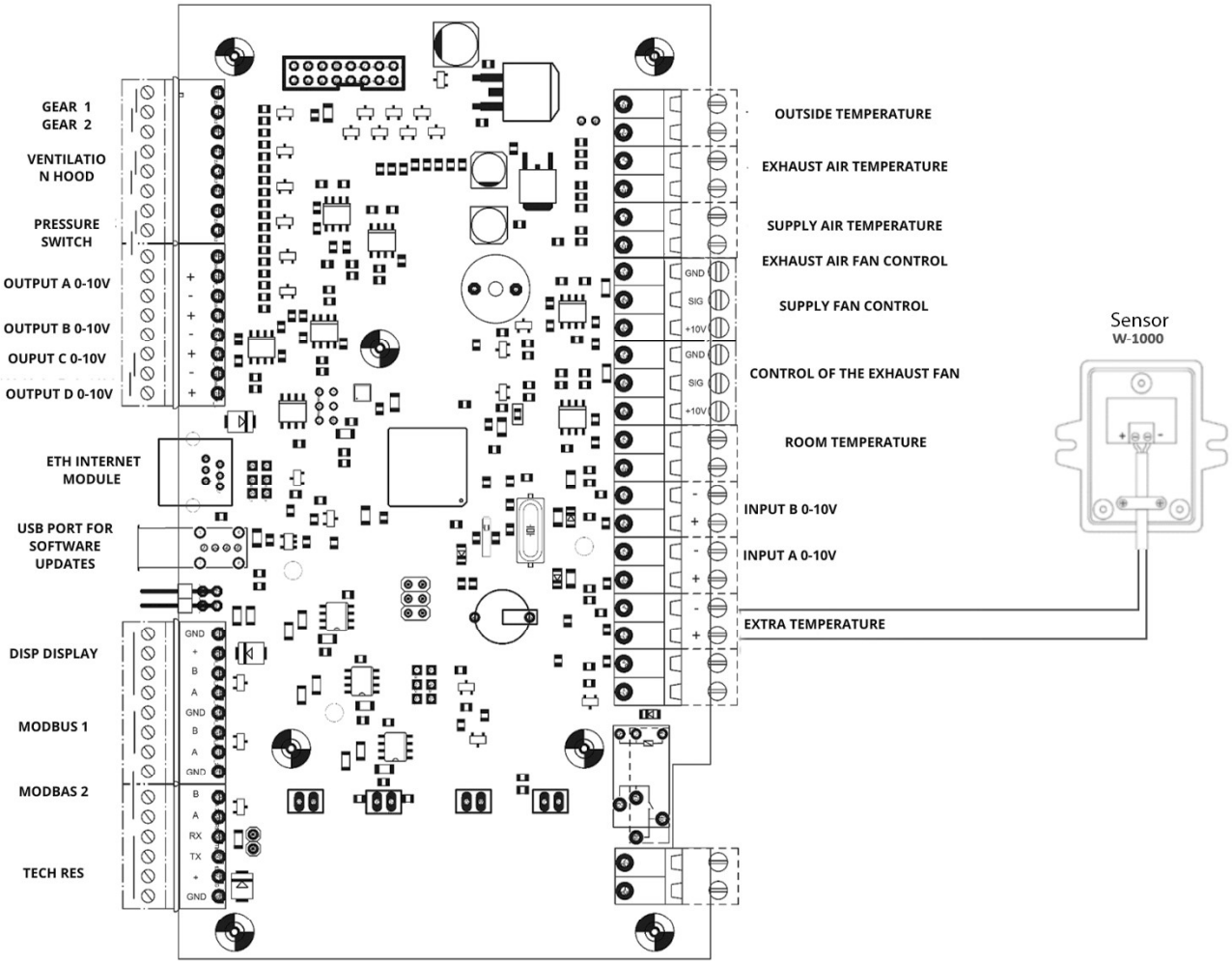
5.1. Connection of the WANAS Water Heater/Cooler for Both Heating and Cooling



5.2. Connection of the WANAS Water Heater/Cooler with Ground Water Collector (GWC)



5.3. Connection of the EXTRA TEMP or W-1000 Temperature Sensor



WARRANTY

• The manufacturer provides a 24-month warranty for the proper operation of the device.

• The warranty is valid from the date of purchase by the user.

• The warranty is granted and valid upon presentation of the purchase document for the unit.

• The warranty does not cover defects resulting from improper use, maintenance, or installation of the device.

• The cost of unjustified service calls is to be borne by the claimant.

• The company does not provide a warranty for the cooling unit. The warranty is the responsibility of the installer; the supplier only provides spare parts.

• The company provides service within Poland.

• Service requests should be submitted through the form available in the "Downloads" section on the website www.wanas.pl.