

E300 WALL TYPE COMBI BOILER INSTALLATION MANUAL

1-For E300 model 6 KW, power cable constuction required (3x4 anti-gron cable) beside 2x40 amperage shalter one for live and one for neutral. Our suggestion is to connecto as triphase via 5X2,5 cable. Anti-Calc filter is required for cold water inlet line . If desired radiator or fan coil circuit can be fillied up by anti-freeze or osmosed water or special heat transfer liquids.

2- After mounting combi boiler to the wall , lid of plastic expansion tank on the top should be removed and these lids shoud remain removed after filling up boiler by water. Or it can remain loose to let water vapor to escape out. (Nylon seal under the lid must be removed)

4- Pipe lines below the Wall type combi boilers are named from left to right 1-HEATING 2- DHW OUTLET 3- COLD WATER INLET 4 - HEATING RETURN

3.Combi boiler must be mounted interior part of place except bathroom or dampy place. That product is not convenient to mount outside. If mounted, assumed out of guaranty and run accross with high electricity consumption and very low performans . Internal room thermostate sensor must be located an eduate place that does not get effected easily from sudden temperature changes . For example if a room thermostate will be located in kitchen and trying to heat the other room , boiler will run according to kitchen temperature. In that case If kitchen does not have radiator, combi boiler will not stop and consume more energy than normalusing.

6- The blue valve at the bottom of combi boiler is for filling up water to the radiator circuit . By turning on that valve, pipe line pressure must be tuned at 2 bars ideally as referenced via an arrow sign level.

7. Internal or external room temperature sensor of room thermostat must be fixed at 1.5 metres height place *senses the room temperature normally*. After that combi boiler will run according to thermostat. If internal room thermostate sensor remains below than 1.5 meters height, room temperature will be sensed low and wrong and that is why combi device will not stop running . Therefore It is important the place to fix that sensor. For example if sensor is fixed over a radiator , combi boiler will sense reqired room temperature reached and stop running.

8- If combi boiler will run according to temperature of return water especially required for floor heating system , you should select from factory setting menu - boiler mode active (Sent activated). For that option internal room temperature sensor must be located into or onto the hot water return pipe line within an housing apparatous . After that selection required temperature value must be increased from 22 towards between 28- 65 degrees Celcius via the set menu button.

9- If combi boiler will be controled by an external room thermostat , you should connect its control cables to the room thermostat therminal (green therminal COM & NO)on control PCB . At the first page of menu ,you need to go to room thermostat line and make it active. After this action combi boiler will run according to the temperature where external room thermostat sensor is located.

10- If more than 3.5 lt/min domestic hot water required , you can add a 30-60 lt boiler with 1 heat exchanger in it to the heating line to support domestic hot water inlet. Or a boiler with 2 heat exchanger can be connected.

11- For hot water setting on inlet valve , first you should turn that valve into OFF position located on the 3. pipe line from left to the right side. Power the combi boiler on in the summer mode and wait till boiler temperature reaches at 90 degrees celcius. Then open the valve by a very slow motion start to gradually when observing digital screen . That valve must be set when you see the tap icon on main screen and leave the valve position where it is. Then you can check hot water from the tap.

12- It is not adequate running Lotus combi boilers in an unisolated places. It is not guarantied to heat that kind of places. It is possible to come accross very high electricity consumption.

13- The heating place must be in capacities of combi boilers . In case of over capacity usage, beside obtaining an uncomfortable heating conditions It is possible to come accross short combi boiler life. Heating capacity of combi boilers at standart panel radiators is 5-6 linearmeter, with aluminum radiators is around 6-7 linearmeters.

14- Combi boiler shoud be located a distance from the celling as user can add water to the boiler via the plastic expansion tank whenever needed by observing the level house between heating line expansion tank and boiler . (every year maintanace is adding water to complete boiler water level till the top of boiler when the boiler is cold. E300 is around 40 kg weight.