

GENERAL HAZARD WARNINGS

Read this manual carefully and save it for future references. The installation must be done by a qualified installer and accordingly with local regulations.

Bourlot radiant brooders were designed for poultry applications. They must not be used for domestic applications. They must be used in well ventilated spaces.

Make sure that the stopcock is closed before cleaning or removing the brooder. If you perceive gas odor or any gas loss, close the main line quickly. detecta olor o perdidas de



FIRE AND EXPLOSION HAZARD

The improper use, manipulation and/or modification of the brooder or any part of it, may cause fire or explosion.

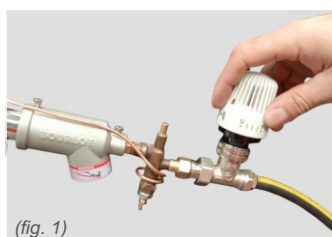


ATTENTION

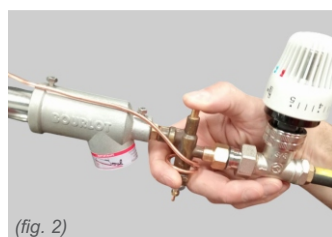
Bourlot Radiant Brooders are designed to work at a maximum of 1950 ft above sea level. Please contact our technical service to use it at a higher level..

IGNITIONS INSTRUCTIONS

- 1 - Check the gas supply pressure with a manometer. 300 bar/4.5 PSI is the right pressure.
- 2 - Turn the thermostatic head to the maximum (Fig 1). In brooders with zone control, the thermostatic head is in the control panel.
- 3 - Open the gas supply stopcock.
- 4 - Hold down the button of the safety valve. (fig. 2).
- 5 - Apply flame in the second burner (fig. 3).
- 6 - After 15 seconds release the button of the safety valve.
- 7 - Set the thermostatic head at the desired temperature.
- 8 - In case the heater turn off, repeat all the steps again.



(fig. 1)



(fig. 2)



(fig. 3)

In new installations is normal to be air trapped in the gas line. To purge the air trapped it is necessary to maintain pressing the safety valves button until the brooder remains lit.

TEMPERATURE REFERENCES ON THERMOSTAT



Nº	1	2	3	4	5
°C	16°	20°	24°	28°	32°

Temperature tolerance range +/- 2°

PERIODIC CLEANING

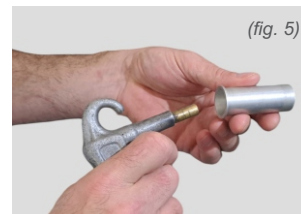
This kind of cleaning must be done on a weekly basis or more frequently, depending on environmental conditions. This is important to maintain the proper performance and avoid future problems.

To do it correctly, follow these steps:

- 1 - Close the stopcock and unhang the brooder
- 2 - Disconnect thermocouple, remove the control unit and clean the interior of the gasifier with compressed air (fig. 4).
- 3 - Take out the Venturi nozzle from the burner steel pipe and clean it with compressed air (fig. 5).
- 4 - Then, direct the air in the opposite direction, from the second burner to the air inlet.
- 5 - This time, the brooder must be on a vertical position, with the pipe downwards in order to facilitate the dust way out. (fig. 7).
- 6 - Repeat the process, until there is no more dirt or dust.



(fig. 4)



(fig. 5)



(fig. 6)



(fig. 7)

MAINTENANCE

We recommend doing a deep cleaning with water at the end of each flock. To do so, the brooder must be at "room temperature".



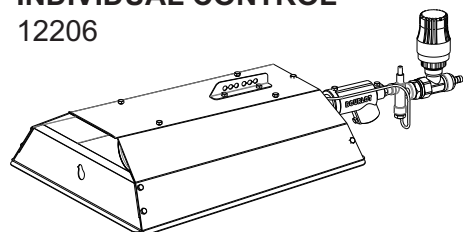
ATTENTION

Do not clean the heater with high pressure washers!

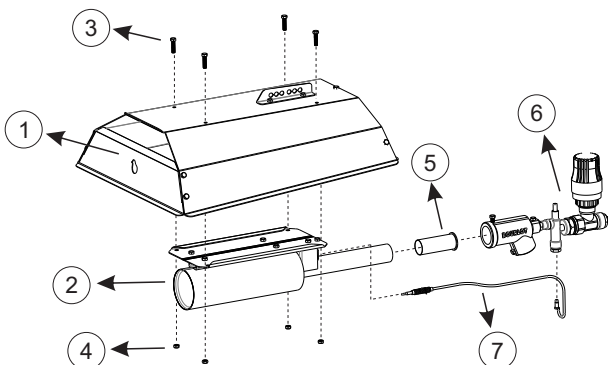
To do it correctly, follow these steps:

- 1 - Unhang the brooder.
- 2 - Remove the main unit (until the gasifier) and disconnect the thermocouple.
- 3 - Take out the venturi tube from the steel pipe.
- 4 - Apply water with a little pressure, placing the hose in the steel pipe directing the water towards the main burner. Then, apply it in the opposite direction placing the hose in the burner. This time, the brooder must be on a vertical position, with the pipe downwards in order to facilitate the dust way out. In case of greasy dirt, clean the brooder with water and a bit of detergent.
- 5 - Repeat the steps (4) until water runs clean.
- 6 - Wait until the brooder has dried completely to use it again

Inox 1mil INDIVIDUAL CONTROL 12206



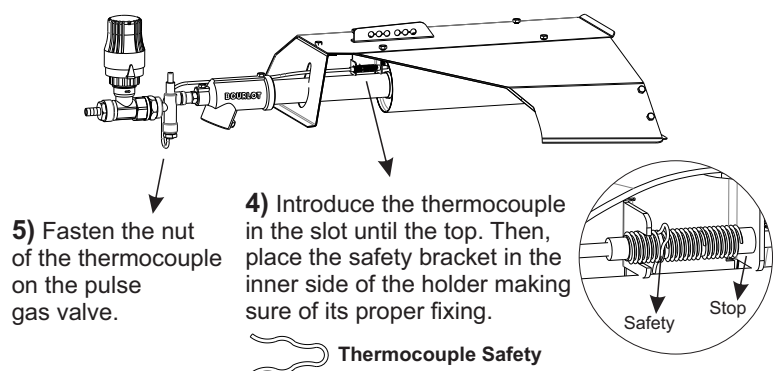
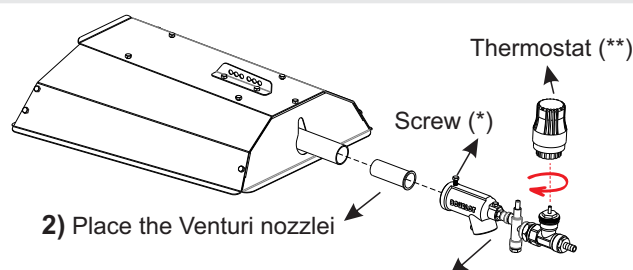
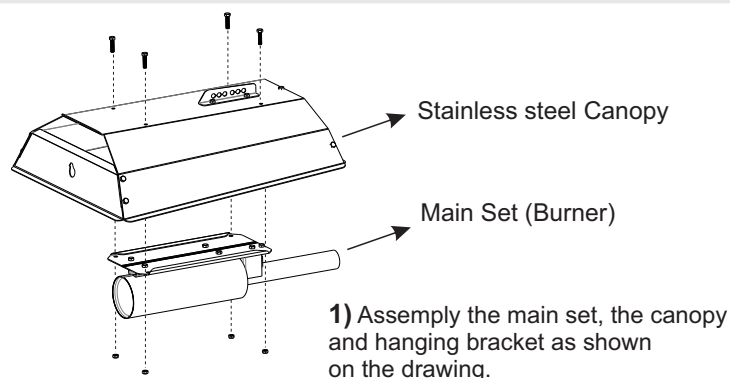
Gas type: GLP
Working Pressure: 0,3 bar
Capacity: 5.000 kcal/h



DESCRIPTION	CANT.
1) Canopy	1
2) Main set	1
3) Screw M5 x 20	4
4) Nut M5	4
5) Venturi nozzle	1
6) Main command	1
7) Thermocouple	1

* Parts and quantities in Eco 1mil Radiant brooder assembly box

ASSEMBLY SEQUENCE

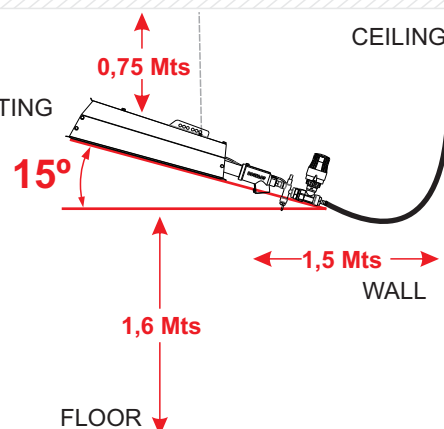


! IMPORTANT

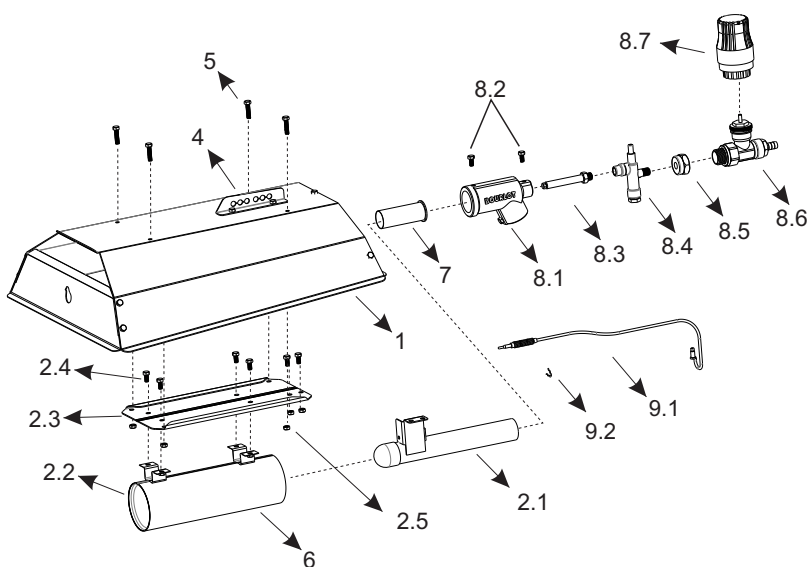
DISTANCES AND MOUNTING INFORMATION

* Respect the angle of inclination as shown on the drawing

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PARTS LIST



IT	ART	DESCRIPCIÓN
1	12204	Eco1000 - Canopy AISI 304 Eco
2.1	00478	Eco1000 - Main Burner Pipe
2.2	00067	Eco1000 - Secondary Burner
2.3	00659	Eco1000 - Burner-mounting plate
2.4	00536	Eco / Gp - Hexagonal Bolt 5x10 AISI 304
2.5	00673	Eco / Gp - Metric Nut 5x0.8 AISI 304
4	12205	Eco 1000 - Top Hanging support
5	00537	Eco / Gp - Hexagonal Bolt 5x20 AISI 304
6	00673	Eco / Gp - Metric Nut 5x0.8 AISI 304
7	00054	Eco / Gp - Venturi nozzle 12-15
8.1	00604	Eco / Gp - Gasifier 3/4 x 1/8
8.2	00536	Eco / Gp - Hexagonal Bolt 5x10 AISI 304
8.3	12064	Eco / Gp - Injector nozzle 53 mm - Calibre 0.6
8.4	00048	Eco / Gp - Pulse Valve M-H Mod VP 22
8.5	12020	Eco / Gp - Nut 1/8" X 3/8" BSP
8.6	01194	Eco1000 - Thermostatic Valve (w/ accessories)
8.7	12006	Eco / Gp - Thermostatic Head
9.1	00056	Eco / Gp - Thermocouple 500 mm
9.2	11277	Eco / Gp / Rb - Thermocouple safety bracketa