

GENERAL HAZARD WARNINGS

Read this manual carefully and save it for futures 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.



FIRE AND EXPLOSION HAZARD

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

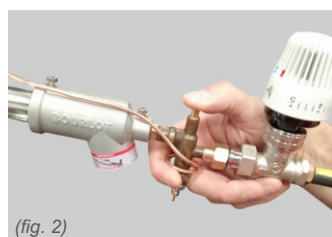
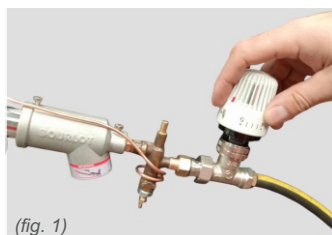


ATTENTION

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.

IGNITION 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



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°

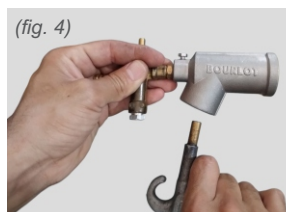
Temperature tolerance range +/- 2°

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:

Para realizar la limpieza de manera correcta, siga los siguientes pasos:

- 1 - Close the stopcock and unhang the brooder
- 2 - Disconnect the 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 - Place the compressed air gun at the entrance of the burner's pipe (fig. 6) and direct the air towards the secondary burner.
- 5 - Then, placing the brooder on vertical position (pipe inlet pointing down to the floor), direct the air on the opposite way, from the secondary burner towards the air inlet (fig. 7)
- 6 - Repeat the process two or three times, until there is no more dirt or dust



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"

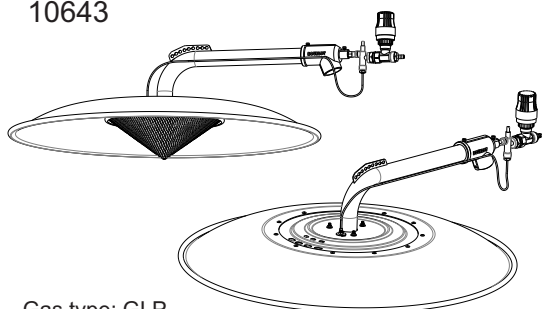


ATTENTION

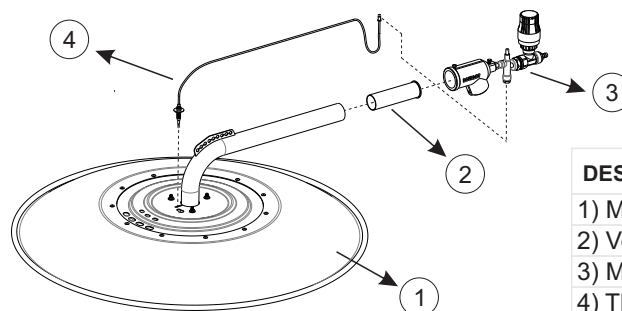
Do not clean the heater with high pressure washers!

To do it correctly, follow these steps:

- 1 - Close the stopcock and wait until the brooder be cool.
- 2 - Unhang the brooder
- 3 - Remove the main unit (until the gasifier) and disconnect the thermocouple.
- 4 - Take out the venturi tube from the steel pipe.
- 5 - 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.
- 6 - Repeat the steps (5) until water runs clean.
- 7 - Wait until the brooder has dried completely to use it again.

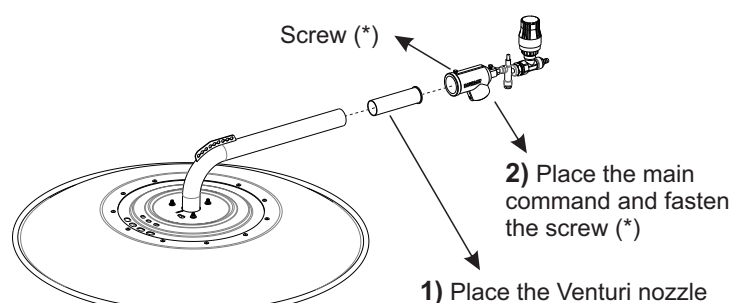
Rb2mil - INDIVIDUAL CONTROL
 10643


Gas type: GLP
 Working pressure: 0,3 bar
 Capacity: 10.000 kcal/h

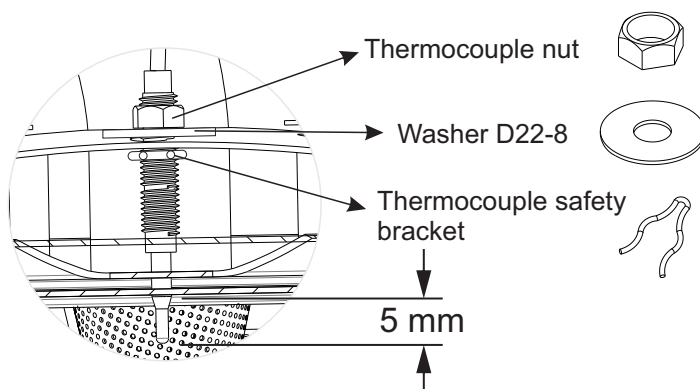
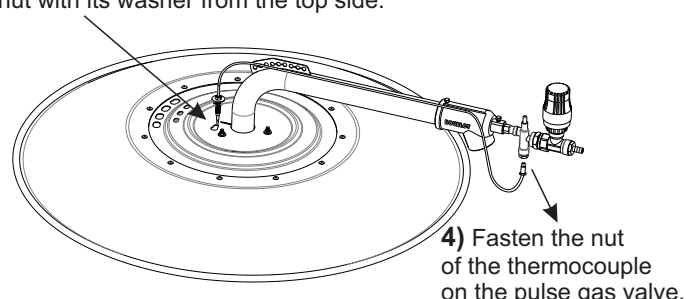


DESCRIPTION	CANT.
1) Main set	1
2) Venturi Nozzle	1
3) Main Command	1
4) Thermocouple T-800	1

* Parts and quantities contained in Rb 2mil Radiant brooder assembly box.

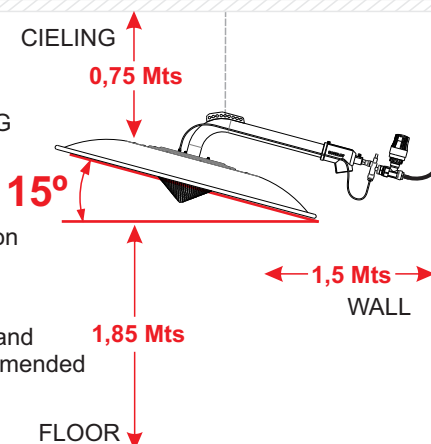
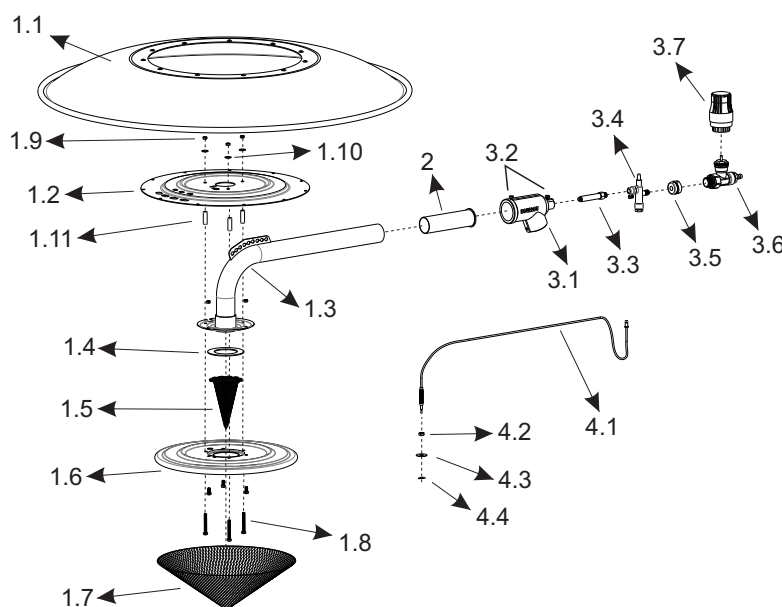
ASSEMBLY SEQUENCE


3) Install the thermocouple in the slot. Place the safety bracket in the slot and move it sideways, once the thermocouple is locked, fasten the nut with its washer from the top side.


IMPORTANT
DISTANCES AND MOUNTING INFORMATION

* Respect the angle of inclination as shown on the drawing.

* Distances from ceiling, floor and side walls are minimum recommended


PARTS LIST


IT	ART	DESCRIPTION
1.1	10631	RI Rb-2000 Aluminum Canopy
1.2	10628	RI Rb-2000 Top Plate Aluminum AISI 304 1.2MM
1.3	10630	RI Rb-2000 Stainless Steel Pipe AISI 304 38MM 0.45M + Flange
1.4	00395	RI Rb-2000 Brooder insulating gasket
1.5	00393	RI Rb-2000 Main burner
1.6	10712	RI Rb-2000 Burner plate AISI 304 1,5MM
1.7	11145	RI Rb-2000 Secondary burner
1.8	12005	RI Gp / Eco Hexagonal Bolt AISI 304 5x40
1.9	00673	RI Gp / Eco Metric nut AISI 304 5x0.8
1.10	00070	RI Gp / Eco Flat Washer AISI 304 3/16"
1.11	12018	RI Gp / Rb Spacers AISI 304 - 7,94MM
2	10638	RI Rb-2000 Venturi Nozzle D34 L90
3.1	10635	RI Rb-2000 Gasifier
3.2	00536	RI Gp / Eco Hexagonal Bolt AISI 304 5x10
3.3	12305	RI Rb-2000 Injector Nozzle 70 mm - Caliber 0.9
3.4	00048	RI Gp / Eco Pulse valve M-H Mod. VP 22
3.5	12020	RI Gp / Eco Nut 3/8" x 1/8" BSP
3.6	11144	RI Rb-2000 Thermostatic valve (w/accesories)
3.7	12006	RI Gp / Eco Thermostatic head
4.1	01334	RI Rb-2000 Thermocouple Mod. T 800 mm
4.2	00072	RI Gp / Eco Thermocouple nut 8 mm
4.3	12080	RI Gp / Rb Washer D22-8
4.4	11277	RI Gp / Rb Thermocouple Safety bracket