BOURLOT

Gp1mil

RADIANT BROODER
- INDIVIDUAL CONTROL-

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.

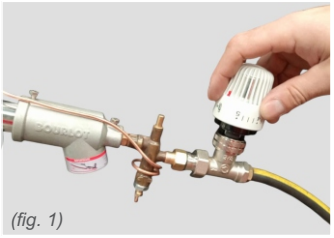
Make sure that the stopcock is closed before cleaning or removing the brooder. If you perceive gas odor or any gas loss, close the main line quickly.

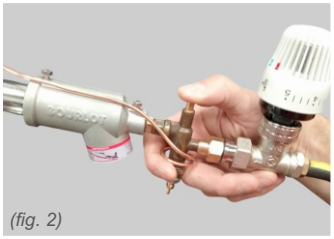
FIRE AND EXPLOSION HAZARD
The improper use, manipulation and/or modification of the brooder or any part of it, may cause fire or explosion.

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 burne (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)

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.


(fig. 3)

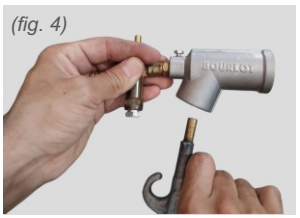
TEMPERATURE REFERENCES ON THERMOSTAT

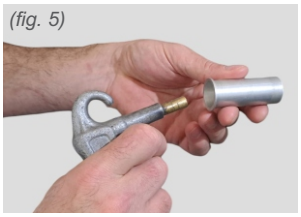
Nº	1	2	3	4	5
ºC	16º	20º	24º	28º	32º

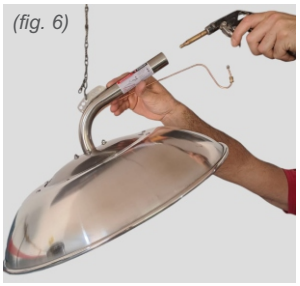
Temperature tolerance range +/- 2º

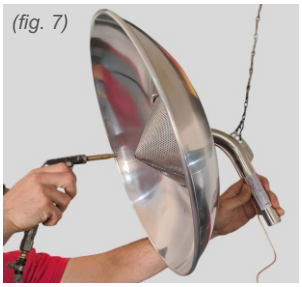
PERIODIC CLEANING

This kind of cleaning must be done on a weekly basis or more frequently, depending on enviromental 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 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 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, direct the air in the opposite direction, from the second burner to the air inlet. 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 two or three times, 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.

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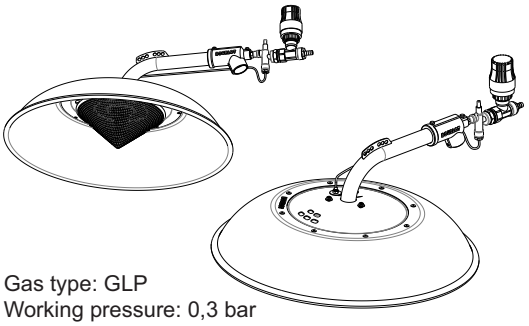
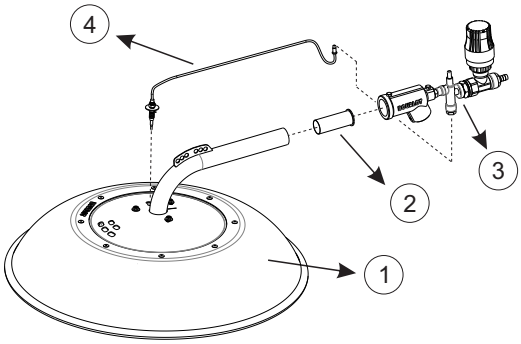


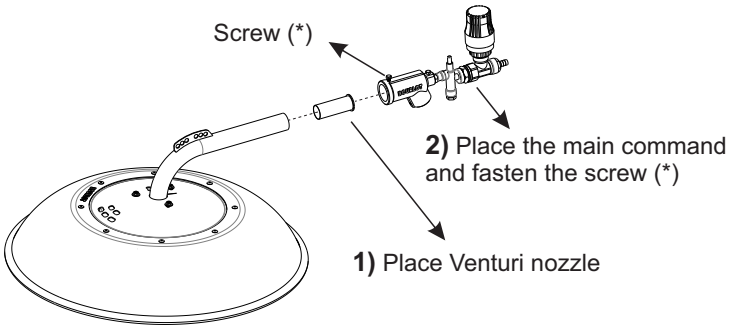
Gas type: GLP
Working pressure: 0,3 bar
Capacity: 5.000 kcal/h



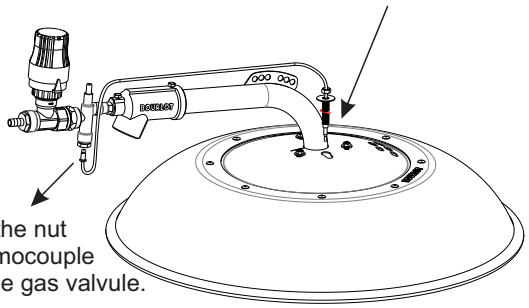
DESCRIPTION	CANT.
1) Main set	1
2) Venturi Nozzle	1
3) Main command	1
4) Thermocouple T-500	1

* Parts and quantities contained in Gp 1 mil 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 whit its washer from the top side.



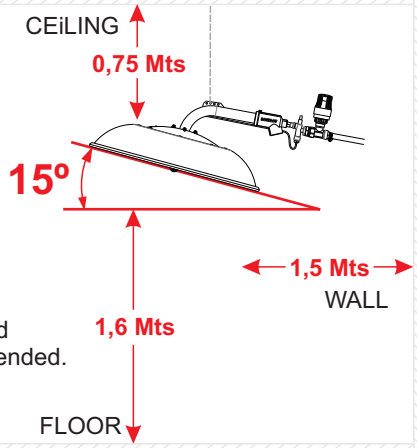
4) Fasten the nut of the thermocouple on the pulse gas valvule.

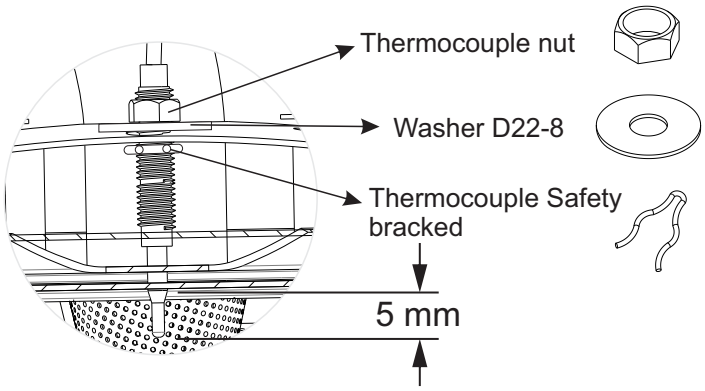
IMPORTANT

DISTANCES AND MOUNTING INFORMATION

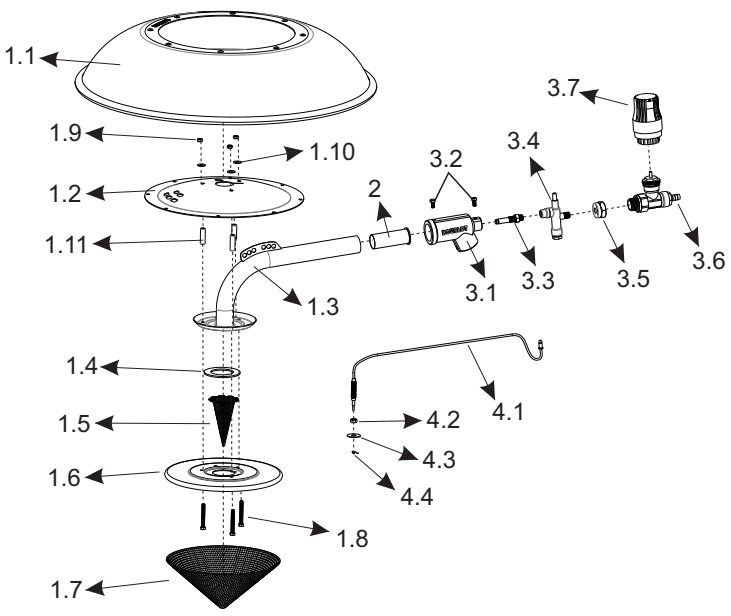
* Respect of the angle inclination as shown on the drawing.

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





PARTS LIST



IT	ART	DESCRIPCIÓN
1.1	00063	RI Gp-1000 Aluminum Canopy
1.2	00061	RI Gp-1000 Top Plate Aluminum AISI 304 1.2MM
1.3	00057	RI Gp-1000 Stailess Steel pipe AISI 304 28,6 + Flange
1.4	00064	RI Gp-1000 Brooder insulating gasket
1.5	00065	RI Gp-1000 Main Burner
1.6	00059	RI Gp-1000 Burner plate AISI 304 1,2 mm
1.7	00067	RI Gp-1000 Secondary Burner
1.8	00538	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	00112	RI Gp / Rb Spacers AISI 304 - 7,94 mm
2	00054	RI Gp / Eco Venturi Nozzle
3.1	00604	RI Gp / Eco Gasifier 3/4" X 1/8" 12-14
3.2	00536	RI Gp / Eco Hexagonal Bolt AISI 304 5x10
3.3	12064	RI Gp / Eco Injector nozzle 53mm Calibre 0.6
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	12104	RI Gp / Eco Thermostatic Valve (w / accesories)
3.7	12006	RI Gp / Eco Thermostatic Head
4.1	00056	RI Gp / Eco Thermocouple Mod. T 500 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