

ELECTRONIC IGNITION INSTRUCTIONS



FIRE AND EXPLOSION HAZARD

Misuse of this heater can cause serious injury or death.

This device may malfunction if it gets wet. Never attempt to use a device that has been wet; in this case, replace it.



IMPORTANT

Use a standard 3-prong grounded outlet.
 Do not use without a grounding connection.
 Do not use without a spark arrestor and flame sensor connected.

1. Connect the heater to the electrical supply, using a 3-prong grounded outlet.
2. Check the working pressure of the gas line with a pressure gauge. Make sure it is at 300 bar / 4.5 PS.
3. Connect the gas inlet to the radiator, then to the gas supply valve. Open the gas valve. Check for gas leaks at any of the connections.
4. Turn the switch on the electronic ignition box to ON (Fig. 1).



(Fig. 1)

5. Turn on the thermostat or climate control to supply electrical power to the radiator.

El comando electrónico realizará el primer intento de encendido por 10 segundos. Abriendo el paso de la electroválvula y realizando una chispa entre el electrodo y el quemador primario. Si la chispa logra encender el radiador, este permanecerá prendido hasta que el control de clima lo indique o se corte el suministro eléctrico.

Si la chispa del electrodo no logra encender el radiador, al cabo de 10 segundos, el sensor de llama cerrará el paso de gas a través de la electroválvula. Al cabo de 5 minutos, si la demanda de encendido continua, el radiador realizará otro intento de encendido. Repitiendo los pasos hasta que logre encender o termine la demanda de encendido.

Cuando los radiadores son conectados por primera vez o son reconectados luego de tareas de limpieza, puede quedar aire atrapado en la línea de gas. Requiriendo mas de un intento para encender o el purgado de la línea de gas para lograrlo.

El encendido y apagado normal del radiador lo realiza el control de clima o un termostato mecánico que habilita o corta el paso de la corriente eléctrica por la línea que alimenta los radiadores.

APAGADO DEL RADIADOR CON ENCENDIDO ELECTRÓNICO

Para realizar cualquier trabajo de limpieza o mantenimiento sobre un radiador con encendido electrónico, debe desconectarlo de la siguiente forma:

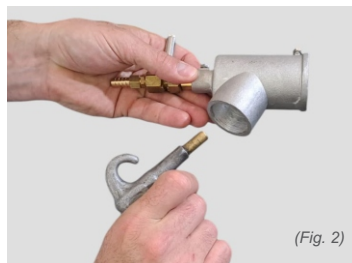
1. Cerrar la válvula de paso de gas.
2. Colocar en OFF (Apagado) el interruptor en la caja de encendido electrónico.
3. Desconecte el radiador del suministro eléctrico.

PERIODIC CLEANING

This kind of cleaning must be done on a weekly basis or more frequently, depending on environmental. 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. 2).
- 3 - Take out the Venturi nozzle from the burner steel pipe and clean it with compressed air (fig. 3).
- 4 - Place the compressed air gun at the entrance of the burner's pipe (fig. 4) 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.



(Fig. 2)



(Fig. 3)



(Fig. 4)



(Fig. 5)

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".

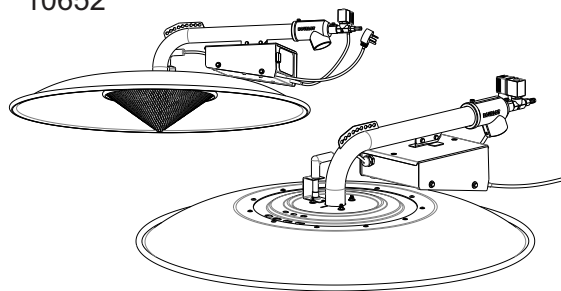


ATTENTION

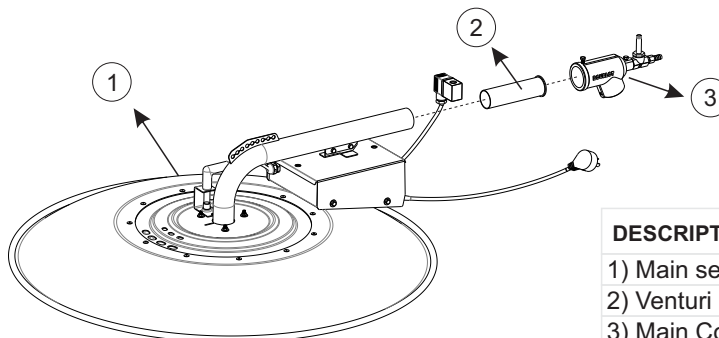
Do not clean the heater with high pressure washers!

To do it correctly, follow these steps:

1. Close the stopcock and unhang the brooder
2. Disconnect and remove the electronic ignition box and the control panel.
3. Remove the Venturi nozzle from the interior of the burner's 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.

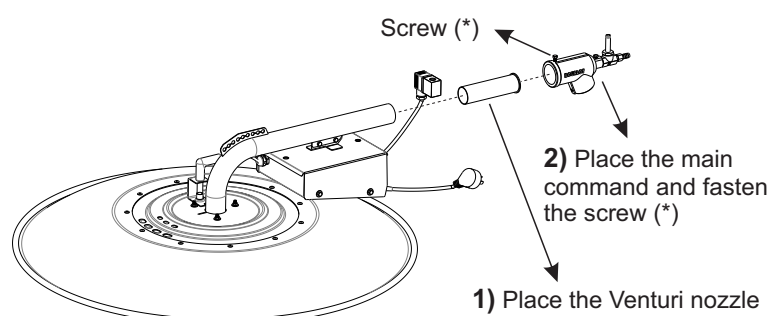
Rb2mil - ELECTRONIC CONTROL
10652


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

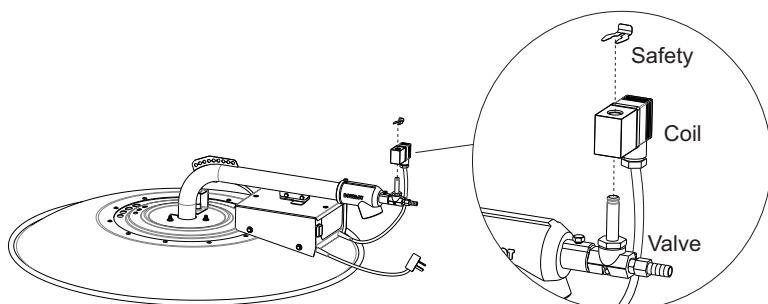


DESCRIPTION	CANT.
1) Main set	1
2) Venturi Nozzle	1
3) Main Command	1

Parts and quantities contained in Rb2mil Radiant brooder assembly box

ASSEMBLY SEQUENCES


3) Insert the coil into the valve and then snap the lock onto the valve stem.



CEILING

0,75 Mts

15°



IMPORTANT

DISTANCES AND MOUNTING
INFORMATION

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

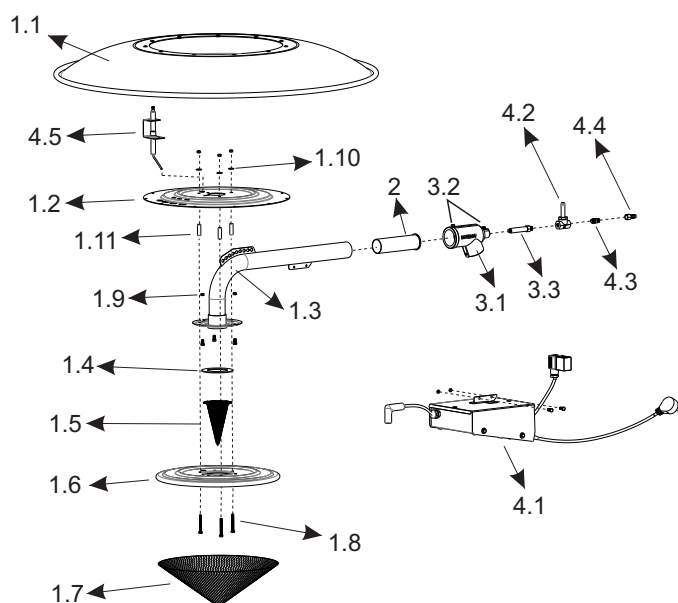
* Distances from ceiling, floor and
side walls are minimum
recommended..

1,5 Mts

WALL

1,85 Mts

FLOOR

PARTS LIST


IT	ART	DESCRIPTION
1.1	10631	Rb2000 - Aluminum Canopy Rb
1.2	10628	Rb2000 - Top Plate Aluminum AISI 304
1.3	12309	Rb2000 - Stainless Steel Pipe AISI 304 38 mm + Flange
1.4	00395	Rb2000 - Brooder Insulating Gasket
1.5	00393	Rb2000 - Main burner
1.6	10712	Rb2000 - Burner plate AISI 304
1.7	11145	Rb2000 - Secondary Burner
1.8	12005	Rb2000 - Hexagonal Bolt 5x30 AISI 304
1.9	00673	Eco / Gp - Metric nut 5x0.8 AISI 304
1.10	00070	Eco / Gp - Flat Washer AISI 304 3/16"
1.11	12018	Rb2000 - Spacers AISI 304 - 7,94 mm
2	10638	Rb2000 - Venturi nozzle
3.1	10635	Rb2000 - Gasifier
3.2	00536	Eco / Gp - Hexagonal Bolt 5x10 AISI 304
3.3	12305	Rb2000 - Injector nozzle 70 mm - Calibre 0,9
4.1	10650	Rb2000 - Electronic Ignition Module
4.2	10647	Electrovalve 24 V (AC) 1/8" 0,1 bar N/C
4.3	00632	Thread with Bronze Nut 1/8" x 1/8"
4.4	00275	Eco / Gp Fitting RH 1/8" x 5/16" Centralized Control
4.5	10658	Rb2000 - Ionization Electrode