

RUBYFIRES[®]

MANUAL CERAMIC BURNER





USER'S MANUAL AND SAFETY INSTRUCTIONS OF THE UNIQUE, PATENTED RUBY FIRES CERAMIC BURNER A PRODUCT BY RUBY DECOR B.V.

KEEP THIS USER'S MANUAL CAREFULLY FOR THE LIFE OF THIS PRODUCT. THIS PRODUCT IS ONLY TO BE SOLD IN COMBINATION WITH THIS USER'S MANUAL.

The Ruby Fires ceramic burner can only be used by people of age, who are competent and who have read and understood these user's manual with safety instructions and guidelines.

IMPORTANT

- The ceramic burner is to be used for decorative purposes only and not as a primary source of heating. Observe the local legislation before using.
- Bio ethanol is a hazardous material of dangle level UN 1987, level 3
- Make sure to check the national and (or) regional regulations on how to safely store fuel.
- The use of the ceramic burner as a multi-burner or open fire for liquid or solid combustible materials is not permitted.
- The ceramic burner is to be extinguished using the latch on the topside.
- When the ceramic burner is overfilled there is a risk of spilling the liquid fuel e.g. when it is bumped into. This can cause uncontrollable flames.
- Spilled liquid is to be removed before lighting the ceramic burner.
- The flames cannot be adjusted by using the latch. This should always be completely opened when in use.
- Do not smoke while (re)filling or lighting the burner. Risk of explosion!
- Never change the construction of the ceramic burner.
- Warning! Never re-fill a hot or warm ceramic burner. Risk of explosion!
- The flames should never directly touch the inside of the metal insert.
- Avoid physical contact with the bio ethanol.
- It is prohibited for children, people under the influence of alcohol, drugs or medications, or people who are physically or mentally not in good condition, to use the Ceramic Burner.
- Keep children and pets at a safe distance.
- Outer surfaces get hot during operation. Adequate attention is necessary.
- Be careful with inflammable clothes or hair.
- Do not blow into the fire.
- Never leave the fire unattended.
- Do not place inflammable material e.g. paper, cardboard, fabric (clothes) etc. on the burner or surround.
- Keep the latch closed when the burner is not in use.
- The use of the ceramic burner for burning any other material besides the Ruby Fires bio ethanol is not permitted
- Only use spare parts that are exclusively approved by Ruby Fires.
- Warning! In case the flames hit the back of the insert extinguish the fire immediately and contact your supplier.
- Keep a fire-extinguisher or extinguishing blanket within reach.
- Not suitable for continuous operation.
- Keep a safety distance of flammable materials of at least 50cm.



A fire blanket is recommended.



A fire extinguisher is recommended.



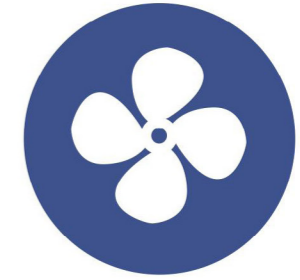
For decorative and domestic use only.



Read manual before installation and use!



Only use fuel according to the user manual.



Only use in a ventilated room.

INSTALLATION OF THE CERAMIC BURNER

- The ceramic burner needs to be placed or hung on a heat resistant foundation or wall.
- When attaching to a wall, we advise to keep a safety distance of minimum 1 cm from the wall in order to ensure a natural flow of air.
- Please be sure the wall/table/floor on which the ceramic burner is placed can carry its weight.
- Never remove the isolation layer on the backside. Risk of fire!
- Make sure that during installation the ceramic burner is levelled, both horizontally and vertically. This to make sure that liquid cannot flow out of the burner.
- Keep a safety distance of at least 1 meter (on left-, right- and front side) to objects. Keep flammable objects (e.g. curtains, furniture or bookshelves) away from the Ceramic Burner.
- Do not put any flammable items on top of the appliance.
- Do not place the ceramic burner next to, underneath or on top of a windowsill. Risk of fire!
- Use the ceramic burner only in a draft-free room, otherwise soot can be a result. However, it is important to have sufficient ventilation.
- Ruby Fires delivers its own unique fuel: Ruby Fires bio ethanol called CL100. The ceramic burner can only function optimally in combination with this Ruby Fires bio ethanol. Never use another liquid or gel to fill or refill the ceramic burner: this may cause blockage of or damage to the ceramic element on the inside of the burner, resulting in flames of poor quality. As a consequence, the warranty expires as well. Exceptions need to be agreed upon by Ruby Fires.



Only use in draught-free surroundings.



Do not position the fireplace near combustible items.



Never move the appliance while it is in operation.

INSTALLATION IN A RUBY FIRES SURROUND

Place the Ceramic burner in the insert (make sure this is levelled)

INSTALLATION IN AN EXISTING FIREPLACE

Place the Ceramic burner in the therefore appointed space (make sure this is levelled) Minimum distance necessary above top of the burner: 50 cm. Risk of fire!

INSTALLATION IN A MADE-TO-MEASURE PROJECT

View the installation instructions on the website www.rubyfires.com for detailed information on installation in a made-to-measure project. When using multiple burners next to each other consult the special guidelines for installation.

INSTALLATION OF THE ENCLOSED GLASS SCREENS

We advise you to use the enclosed glass screens. The glass plates can be installed on the burner with the screws supplied with the burner. This prevents the flames from hitting the backside. Tighten the screws by hand. Glass expands when heated. Contact your dealer if flames keep on hitting the back. The use of two glass plates is only necessary when using a fireplace with two open ends (without a closed backside).

- Ruby Fires has developed a special ceramic log set and pebbles for decoration purposes of the ceramic burner. Place these around the fire opening (the (white) ceramic element) of the burner. The fire opening should remain free. When decoration material is placed into the flames, unnecessary soot will be formed and an unsafe situation may arise. Do not touch decoration material until it has cooled down for at least 30 minutes. Risk of burns!
- For safety reasons never use any other decoration material for the ceramic burner except the original Ruby Fires ceramic log set or pebbles. Do not use both the log set and/ or pebbles at the same time with the glasses. Risk of fire! When placing a ceramic burner against a back wall (e.g. (wall)surround), make sure the flames burn vertically at all times. This by using glass, log set, pebbles or a spoiler. In case the flames do hit the back, extinguish the fire immediately and contact your supplier! Check our website for different examples.

HOW TO FILL THE CERAMIC BURNER

- Use only CL100 to fill the ceramic burner.
- Open the latch for one third, so the filling-opening is visible.
- Place the enclosed funnel in the filling-opening.
- Carefully pour the Ruby Fires bio ethanol in the funnel until the ceramic brick is saturated, but make sure that the liquid level remains underneath the surface of the element: until the liquid remains visible in the opening and is not higher than the MAX sign.



Burner

Ceramic burner Mini (4114)

First filling

± 1 liter

Ceramic burner Small (4120 + Silo)

± 1,5 liter

Ceramic burner Big (5820)

± 2 liter

Ceramic line burner (8014 + 8013)

± 2,5 liter

Ceramic line burner (11814)

± 3,5 liter

Refill

± 0,8 liter

± 1 liter

± 1,5 liter

± 2 liter

± 2,5 liter

FILLING THE CERAMIC BURNER WITH RUBY FIRES CL100

- It is of great importance that the liquid never flows outside the filling opening.
- Make sure to fill the ceramic burner carefully and slowly, so it cannot be overfilled.
- In case liquid is spilled, use a soft, absorbing cloth to clean.
- For an optimal fire the burner has to be filled up until the liquid remains visible in the opening.

When the ceramic burner is filled with CL100 for the first time, the ceramic element on the inside will be saturated completely. The liquid will always remain partly absorbed by the brick. Therefore it is necessary to use more bio ethanol the first time the burner is filled than the following times.



Never overfill the appliance.



Never pour fuel into a burning appliance.



Never pour fuel into a hot appliance.

WARNING: Make sure that the liquid does not flow outside the filling-opening. In case liquid has been spilled outside the filling-opening, make sure this is dried up before lighting the fire. Risk of fire! There should never be fire outside the fire-opening. This is dangerous and can also cause the insert to de-form and damage of the paint of the insert.

If the ceramic burner is overfilled, the excess fuel should be removed before lighting the ceramic burner. Remove the outer case of the ceramic burner. The 4114L has clasps on the side that hold the outer case in place, pull the clasps out to remove the outer case.

- Warning: Keep on filling the burner until the level remains visible in the filling-opening. The level must remain underneath the MAX sign.
- Check the outer case regularly for fuel overspill.
- When the ceramic burner is filled, remove the funnel. You can now fully open the latch. The burner-opening is visible and the ceramic burner is ready for use.
- Fuel shall be stored in a fire-safe area



Latch open



Latch closed

Watch out: The latch is not a flame regulator!

HOW TO RE-FILL THE CERAMIC BURNER

- Close the latch when the ceramic burner is burned empty.
- Check carefully that there is no longer any fire on the surface.
- Warning: Never fill a burning burner – Life threatening!
- Wait at least 30 minutes for the Ruby Fires burner to cool down.
- For further instructions see: 'How to fill the ceramic burner'

LIGHTING THE CERAMIC BURNER

There is a latch for the fire-opening on the topside of the ceramic burner.

When the ceramic burner is not lit, this latch is closed (to prevent the bio ethanol from evaporating). By opening the latch the fire-opening with the ceramic brick becomes visible.

The ceramic burner can be lit using a long lighter or a long matchstick, but only when nothing is placed on the opening and the Ruby Fires CL100 is well filled as described in: 'How to fill the ceramic burner'



Never ignite a hot appliance.



Never leave small children or pets unattended

OPENING AND CLOSING THE LATCH

The latch can be opened using the enclosed handles.

MAINTENANCE

When the ceramic burner has been used very often, discolorations on the top can occur. Black coating near fire opening can dissolve. This is normal and does not harm the quality of the product. Do not use an abrasive product for cleaning the insert. Clean the surfaces with a moist piece of cloth or a non-abrasive stainless steel cleanser. Glass screens can be cleaned with a ceramic cook top cleaner. Changes and/or alterations to the insert, surface or burner are unacceptable and will cause the warranty to expire. Ruby Fires cannot be held responsible for possible damages or personal injuries caused by misuse or incompetent use of the insert and ceramic burner.

VENTILATION OF THE ROOM

When the ceramic burner is used in closed spaces, adequate ventilation has to be provided! In addition to carbon dioxide (CO₂) an adequate supply of fresh air (150 cm² opening) should be ensured. Insufficient ventilation can cause poisoning by the odourless carbon monoxide. There are requirements for the supply of fresh air quantity per fire. Take the minimum roomsize into account (see below).

type burner	± content (liters)	Measure. (cm)	heat (m ²)	Room (m ²)	consumpt (ltr. p. hr.)	burning time (hours)
4114	1	40x15x8	ca. 2	min 25	0,30	3
4120 + Silo	1,5	40x20x8	ca. 2,5	min 25	0,50	3
5820	2	60x20x8	ca. 3	min 35	0,50	4
8014 + 8013	2	80x20x8	ca. 3,5	min 35	0,55	3,5 / 4
11814	2,5	120x15x8	ca. 4,4	min 40	0,65	3,5 / 4

Attention!! Temperature of glass screens placed in front of the fire can reach 90°-140°C and top of the bio burner even 200°C, when the burner is in use!

Problem	Possible cause	Solution
Existence of soot	Wrong fuel	Use ONLY Ruby Fires CL100
Existence of soot	Fire-opening is covered with decoration material	Make sure the fire-opening is free of decoration material
Duration of fire too short	Wrong fuel (e.g. gel)	Use ONLY Ruby Fires CL100
Duration of fire too short	Burner has not been filled completely	Extinguish the burner. Let it cool down for at least 30 minutes and then re-fill.
Flames too high	Wrong fuel or draft	Use ONLY Ruby Fires CL100 Prevent draft!
Flames too low, not visible	Burner has not been filled completely	Extinguish the burner. Let it cool down for at least 30 minutes and then re-fill.
Burner makes a rustling noise	Wrong fuel (e.g. gel) or overfilled	Use ONLY Ruby Fires CL100
Flames are blue, not visible	Fuel is almost finished	Extinguish the burner. Let it cool down for at least 30 minutes and then re-fill.
Flames remain after the latch has been closed		Open the latch and quickly close it again to refrain the oxygen supply

WARRANTY

The warranty on this product is 2 years. Any changes on the surface or inside of the ceramic burner, due to the usage of the product, are not included in the warranty of the ceramic burner. Ruby Fires reserves the right to make any technical alterations in order to improve the product and its characteristics / safety.

Ruby Fires would like to thank you for the purchase of the ceramic burner. If all the instructions are carefully followed, the ceramic burner will burn free of soot and scent.

GENERAL GUIDELINES BUILT-IN

- Only for inside use.
- Do not place in humid rooms.
- Make sure there is enough ventilation.
- CL100 is a highly flammable liquid and should be handled with care..
- Materials around the burner can become hot. (Danger of burns)
- For use only by adults 18 years or older.
- Keep children and pets at a safe distance.
- Make sure all gas pipes near the burner are closed.
- Only use the ceramic liquid CL100 en original decoration from Ruby Fires.
- we strongly advise to position decoration so it's not in direct contact with the flames of the burner.

Make sure there is enough ventilation. For instant a vent or space under the door.

RECOMMENDED BUILDING MATERIALS:

The materials listed below are Non-combustible and have a isolating function.

Off course are other similar materials allowed.

- Promafour® plate
- Promatect® plate
- Super-Isol plate
- Promaglaf® isolation blanket
- Insulfrax isolation blanket

BUILT-IN CERAMIC BURNER

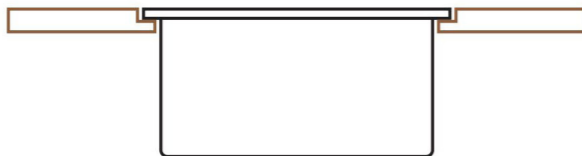
Recess for use ceramic burner without built-in unit:

4114B / 4114S (6)KG	412 x 142 x 78 mm (lxwxh)
4120B (9,3 KG)	410 x 204 x 78 mm (lxwxh)
5820B / 5820S (12,3 KG)	580 x 204 x 78 mm (lxwxh)



Recess for use ceramic burner with top plate, without built-in unit:

4114LB / 4114LS (6,2 KG)	409 x 137 x 78 mm (lxwxh)	Top plate: 431 x 159 mm
5820LB / 5820LS (13,2 KG)	576 x 200 x 79 mm (lxwxh)	Top plate: 598 x 222 mm
8014LS / 8013 (14,1 KG)	822 x 158 x 78 mm (lxwxh)	Top plate: 823 x 159 mm
11814LS (18,8 KG)	1184 x 141 x 78 mm (lxwxh)	Top plate: 1207 x 164 mm



Instructions for building in a ceramic burner without built-in unit:

- The recess for the burner should be made of a heat resistant material.
- Keep a minimal height of 400 mm above the ceramic burner and minimal 50 mm on the sides.
- Make sure the materials above the ceramic burner are made of a heat resitant material.
- If multiple ceramic burners are placed next to each other, keep a minimal distance of 100 mm between the ceramic burners and of the side material.
- Don't place any flammable materials (curtains, decoration, furnature etc.) in a range of 50 cm.
- Place the Ruby Fires ceramic burner in the recess.
- Make sure the ceramic burner is level.
- Place the connectors and the glass on the burner. Do not turn the screws of the glass too tight, glass will expand when hot.
- Place decoration material like pebbles or logsets only around the ceramic stone. Do not put decoration in direct contact with the flames.

BUILT-IN UNIT

Recess for use of a built-in unit:

built-in unit S	640 x 420 x 210 mm (hxwxd)
built-in unit L	670 x 590 x 220 mm (hxwxd)
built-in unit XL	460 x 870 x 210 mm (hxwxd) (with a strip of 910 mm on the bottom)
built-in unit XXL	460 x 1195 x 200 mm (hxwxd) (with a strip of 1240 mm on the bottom)

Instruction for using built-in units:

- The recess for the built-in unit should be made of a heat resistant material.
- Keep a space of 50 mm on both sides of the built-in unit. This space is to be filled with insulation wool
- Place the built-in unit in the recess. Make sure the unit is level.
- Mount the built-in unit on the wall by attaching screws through the holes in the side strips.
- Make sure the screws attaching the built-in unit are firmly stuck in the used material.
- If desired, you can cover the side strips. Keep in mind that this must be done in heat resistant material.
- Place the Ruby Fires ceramic burner in the built-in unit
- Place the connectors and the glass on the burner. Do not turn the screws of the glass too tight, glass will expand when hot.
- Place decoration material like pebbles or logsets only around the ceramic stone.
- Do not put decoration in direct contact with the flames.