



# Canadian Timber Collection Tranquility Barrel Sauna Assembly Instructions



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Before you begin the installation of your Timber Barrel Sauna, Please read these instructions fully.  
Make sure the placement for your sauna is level with a slight slope to the back for drainage.

1. Start by laying out the cradles.



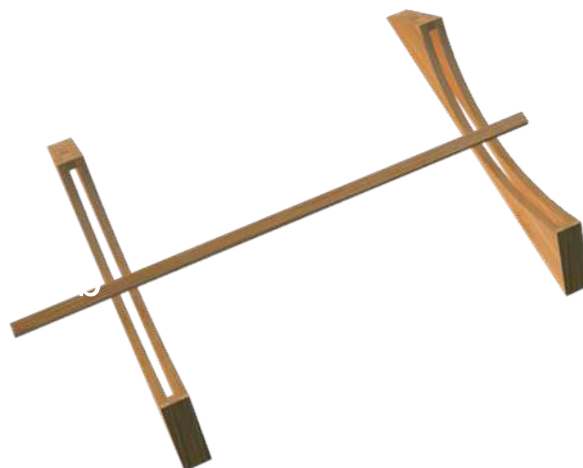
2. Lay the first bottom stave in the center of the cradles.

***This stave will have convex edges on both sides as in Fig.1***



**Fig.1**

3. Mark the centre of the cradles horizontally. On the end with the porch, measure 26" (66cm) from the end of the stave to the cradle, and on the back side, measure 5" (13cm) in from the end of the stave as shown. Secure stave into each of the cradles using 2 ½" (64mm) screws.



***\*Always ensure that you have the correct screw length so that there will be enough thread to hold, and especially, so that the screw does not go all the way through the material and come out the other side.***

4. Start laying down the wall staves.  
Keep the dado grooves in line with the correctly positioned bottom stave.  
Make sure the staves are flush.

*\* Note there will be right and left staves!*



5. Place the back wall into the dado grooves closest to back of sauna.

Make sure the back wall panel is centered with the middle stave.  
Use the rubber mallet to tap the back wall into the groove.



6. Repeat this process to install the door panel on the front wall.

Make sure the door is centered with the middle stave.



7. Use the top stave to go from the front wall to back wall to help stabilize the sauna.

\* The top stave has 2 concaved edges as in Fig.2

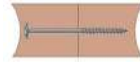


Fig.2



8. Using your carpenters level and rubber mallet, level up the front and back walls.



9. Install the front half moon side wall.

Screw into place at the top and bottom with  
A 2 1/2" (64mm) screw.



10. Repeat on opposite side.



11. Repeat for the back wall half moon panels.



12. Once both ends are on, start installing more wall staves.

Use the rubber mallet to tap into place.

Install a few staves at a time, alternating sides.



13. To make the installation of the staves easier, Secure every 2<sup>nd</sup> stave on the bottom of the sauna with the provided 2 ½" (64mm) nails to hold staves in place.



14. Continue to add staves on both sides to the top.



15. When you reach the top, you will find that the last wall stave doesn't look like it fits properly, this is normal.



16. Assemble the steel bands by sliding the rod with a nut on one end through the other and secure with a second nut.



17. Slide the band over the front of the sauna about 2" (5cm) from the edge of the staves.



18. Repeat the process for the back of the sauna.

For the middle bands, toss one end over the sauna while pushing the other underneath.

Line up one band where the front wall is located and the other band centered between the front wall and the back band.



19. Measure all around the sauna to ensure the measurement of the bands are consistent.

Snug up bands with the cordless drill.



20. Use the rubber mallet to tap the staves out and in as needed to get the last wall stave and top stave to sit properly together.

Tap up (from the inside of the sauna so you don't break the ends) or down, by hammering on the band to attain a uniform circle shape.

When the wall staves take on the proper shape, tighten the steel bands a little more snug.

Continue to use the rubber mallet to finesse the staves into place until they look just about perfect.



Tighten all bands as tight as possible.

***\* Don't be worried about making them too tight, you cannot overtighten!***



21. Center outer the door handle (small) on outside of the door and secure with 2" (51mm) screws using the pre-drilled holes.

***\*Magnets are very strong and may require some force to pull the door open the first time.***



22. Repeat this process for the inside handle installing it at desired height centered horizontally on door.

***\* If the Changeroom option is ordered, install the inside and outside handles in the same manner.***



23. Install towel hanger at desired height on outer wall using 1 ½" (38mm) screws.



24. Start the assembly of your sauna benches by installing the flat floor.

Ensure the flat floor is centered in the sauna and that it is level, you can use the door frame to help get it level.

*\* Note that the back wall has been removed for illustration purposes only.*



25. To begin, Bring in one of the sauna benches.



26. Place the bench on the wall brackets and then push up against the back wall.



27. Secure benches to wall supports by attaching with 1 ½" (38mm) screws.

Ensure to screw in between the bench seat slats so that the screws are not visible.

Repeat at opposite end.



28. Space out the bench supports under the crossers on the bottom of the benches.

Screw the bench supports from the bottom up using 3- 1 ½" (38mm) screws in each support.



29. Secure the support leg to the floor using a 2 ½" (64mm) screw in each support.

Repeat for the other support.

Repeat above steps for opposite bench.



30. To start on the assembly of the porch benches, center the porch flat floor under the door.



31. To install the porch seats, screw the leg into the end of the seats with 2 ½" (64mm) screws.



32. Flip the porch seat over and put in place. Use a level or carpenters square sure the porch seat is level.



33. Secure the porch seat support to the front wall of the sauna using (3) - 2 ½" (64mm) screws.



34. Screw the front of the porch seat into the wall from the outside using a 2 ½" (64mm) screw.

*\*Ensure not to screw into the seams of the staves*



35. Secure the leg to the floor using a 2 ½" (64mm) screw.

Repeat on other porch bench ensuring they are level with each other.



## Installing the Electric Heater

*The following installation instructions are for the Helo Cup (Saaku) electric heater. Always refer to the original sauna heater manual for confirmation. Always Read all instructions carefully.*

Measure the proper distances for the heater template according to the heater manufacturers instructions.



Using the template provided, drill four 9/64" holes to fasten the heater to the wall.

Install the two ¼" x 1 ½" (6mm x 38mm) hex head lag screws (supplied with the heater) into the upper two holes.



Tighten these screws until their heads are about 1/4" (6mm) from the wall.



Hang the heater on the two upper screws.

Install the two ¼" x 1" (6mm x 25mm) hex head lag screws (supplied with the heater) into the two lower mounting holes.

Tighten all 4 hex head lag screws to lock the heater in place.



Rinse the rocks with water before placing in the heater.

Carefully place the rocks loosely so that the air can circulate through the heater.

Packing the rocks too tightly may cause the heater high limit switch to trip.

The rocks must fully cover the heating elements.



***\*Operate the heater for an hour with the sauna door fully open to burn off any residual coating from the manufacturing process before using.***



***\*The wiring for the electric heater most times enters the sauna underneath the heater as shown in the above 2 pictures.***

• All wiring should be installed according to the heater manufacturers instructions and by a licensed electrician.

• **Do NOT use a G.F.I breaker**

Locate the pieces for your heater guard.  
The heater guard contains 2 Assembled side pieces, 2 heater guard supports and hardware.

Stand the 2 Assembled side pieces of the heater guard on edge with pre-drilled holes on the bottom.



Screw heater guard support to either side using (2) – 1 ½” (38mm) screws per side.

Assemble remaining heater guard support to the 2 ends in the same manner as previous step.



Place assembled heater guard around electric heater and screw to wall using (4) 2 ½” (64mm) screws.

***\*Make sure heater guard is level before securing.***



Wash the layer of rock dust off of the sauna rocks before using them.

When your sauna is set up and working you should “break-in” the sauna before using it for the first time by turning on the heater to its highest setting and operate it for about 1 hour.

This is recommended to burn off any oils and impurities from manufacturing, and it also “cures” the woodwork.

After about ¾ hour, slowly pour about one litre of cold water on the rocks.

It should all turn to steam and not come out of the bottom of the heater. If it does, you’re pouring too fast.



## Installing the Harvia M3 Wood Burning Heater

*The Acrylic Dome cannot be exposed to high temperatures for more than 6 hours at a time.*

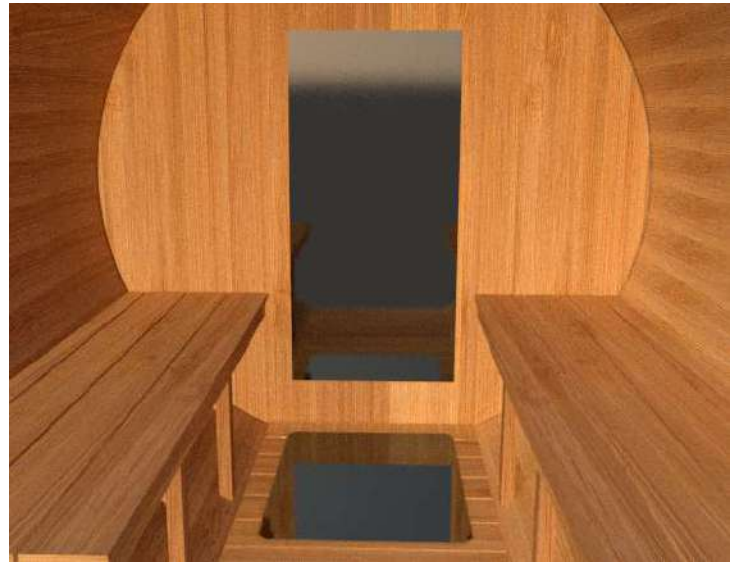
*Maximum Temperatures at the acrylic dome not to exceed 100 degrees Celsius (212 degrees Fahrenheit).*

*For Safety and warranty purposes, Please respect all minimum distances for the heater installation in saunas with an acrylic dome as referred to in this assembly manual.*

Prior to installation, remove the protective film from the stainless steel pieces.

Install floor protecting sheet against back wall centered between benches.

Install the wall shield centered on the back wall using 1 ½" (38mm) screws.



Using 2 people, place the Harvia M3 centered between the benches on the floor plate.

*\* The heater can be positioned a little more to the back of the floor plate so more of the floor plate is out the front to help keep debris and ash of the sauna floor.*





Once the extensions are connected close to the roof of the sauna, locate the center of the pipe and use a pen or pencil to mark the roof.

***\* Once you have your mark, remove the extensions so they are out of your way when cutting.***



In your preferred method, draw a circle  $\frac{1}{4}$ " (6mm) larger than the diameter of the extension pipe.



Start a hole inside your circle with a drill bit or other method, then use a reciprocating saw to cut out the circle as neat as possible.



Place a piece of the pipe through the hole to make sure it fits before moving on to the next steps.



Attach the first extension piece to the stove adapter on top of the Harvia M3.



Slip the larger stove pipe through the hole in the roof and then connect it to the extension pipe out of the stove.



Locate the 2 inner Flange pieces.



Get a helper to hold the chimney centered in the hole while you place the 2 flange pieces around the pipe.



With the pipe centered, secure the flange pieces to the roof with the provided 1" (25mm) screws in the 2 slotted grooves.



Locate the rubber outer flange.



Slip it snugly over the chimney pipe as shown.



Slide the top chimney piece over the bottom chimney pipe.



Pull the rubber flange over the seam where the 2 pipes connect.



Place the tightening clamp around the rubber flange and tighten up with screwdriver.



Using the provided 1" (25mm) stainless steel screws, secure the rubber flange to the sauna roof spacing the screws out as evenly as possible.



Connect the cap to the top of the chimney pipe.



Connect the stove handle to the door with the 2 provided screws.



Using a screwdriver or wrench, remove the cover plate off the back of the heater.



Insert the plug that was supplied with heater into the back of pipe.



Replace the cover plate.



## MAINTAINING YOUR SAUNA AFTER INSTALLATION

### Interior

It is recommended to vacuum or sweep out the inside of your sauna frequently to remove dirt and other debris. Under normal conditions, a slight wash of the floor and benches with warm soapy water several times a year will maintain its cleanliness. You can use a sheet of fine grit sandpaper or a low pressure wash to remove more stubborn stains or for a deeper cleaning of the interior of your sauna.

**Never use ammonia or harsh cleaners as they can turn the wood gray.**

### Exterior

Depending on the humidity and weather conditions in your area, the cedar will either shrink or expand based on the amount of moisture absorption. The desired effect is to have the cedar expand into the bands therefore making the sauna staves much tighter.

Over time the lumber will weather naturally as a result of sun and rain, it will change into a weathered grey colour. This natural weathering will not harm the wood or impair the sauna's performance.

If you wish to retain the natural color of your Dundalk Leisurecraft Sauna, there are many cedar stains on the market and almost as many opinions as to which is best.

We encourage you to rely on your own research and referrals.

Recommended Stains Include:

Behr Premium Semi-Transparent Waterproofing Stain & Sealer

Sikkens Proluxe Cetol SRD Translucent Stain

<https://www.realcedar.com/outdoor/finishing-choices/>

**Note: never treat the interior of the Sauna, and never apply paint or varnish to the exterior.**

You may need to tighten the bands after a period of time, usually within the first few months.  
*(Barrel Saunas Only)*

### Water Seepage

Some minor water seeping into the sauna is expected and normal for an outdoor sauna. If your sauna is properly installed, you should not have water dripping in but you should expect some water seepage, especially on the top and sides of the sauna.

This is due to the porous characteristics of the wood and to the ball-and-socket profile design of the staves.

Water Seepage will not harm the sauna. The moisture will evaporate once you turn on the heater and the sauna heats up.

If the water marks are bothersome, they can be easily removed with a light sanding (80 or 100 grit)

To minimize seepage, select a location for your sauna that is under cover, or choose one of our roofing options.



**Normal Water seepage**





### HOW TO TAKE A SAUNA

1. Pre-heat your sauna to the desired temperature (usually between 80-100°C)
2. While it's warming up, take a nice hot shower.
3. Enter the pre-heated sauna, relax and allow your body to perspire in the soft dry heat. Do not throw water on the rocks during the first part of the session.
4. Cool off with a cold shower or a quick swim in a lake or pool.
5. Re-enter the sauna and sprinkle water on the rocks. This will increase humidity to assist in perspiration. Half a cup every 5 minutes should be enough. Too much water will just cool off the rocks and you'll get less steam.
6. After a 20-30 minute sauna, cool off in the shower or lake or pool.
7. Repeat this sauna/cold shower process as often as desired.
8. After each use, leave the door fully open for a few hours if possible so the wood can dry out.

**These are guidelines only. Enjoy your sauna in whichever way you desire.  
Children must be supervised by an adult.**

### WARRANTY

Dundalk LeisureCraft Inc. warrants our saunas against defects in materials and workmanship under normal/residential use for a period of five (5) years, as applicable, from the date of receipt of the product by the original end-user consumer. This warranty does not apply to normal wear and tear and/or natural weather conditions. This warranty does not cover regular required maintenance of the sauna, (eg. Tightening bands on the barrels, cleaning or staining the sauna) refer to your sauna assembly manual for maintenance guidelines. This warranty does not cover misuse or negligence and the manufacturer and associated retailers are not liable for any injury or damage caused by the product. This warranty is a parts only warranty and any service or labor costs would not be considered as part of the 5 year warranty.

Purchaser Name: \_\_\_\_\_ Date: \_\_\_\_\_

Purchased From: \_\_\_\_\_