

Your Studio Pro 41 has been shipped in 3 sections for easy placement. Narrow doorways and halls are possible to navigate with each of the 3, individual sections. This allows you to place the kiln where it would be otherwise impossible or impractical to do with a kiln of this size.

SAFETY

Read and understand these installation instructions for safe and proper installation. Installation requires the lifting and moving of individual kiln sections. Personnel capable of lifting and managing the moving process must be used. If you have any questions please contact Evenheat Kiln at 989-856-2281 or at evenheat-kiln.com.

Kilns are as safe as any other electrical appliance when used under normal and proper operating conditions. To create and maintain this safe environment observe all installation and safety precautions.

Warning Symbol Descriptions

Warning symbols are used throughout these installation instructions. These symbols alert the installation personnel to certain hazards and important information. Pictured below are symbols used along with a description of each.



The Exclamation Point alerts you to particular cautions, hazards and information.



The Lightning Bolt alerts you to specific information regarding the risk of electric shock. Electric shock may result in injury or death.

Emergency Shut Off Provision



The kilns power supply connection (plug/receptacle, breaker or disconnect) acts as the emergency electrical power shut off. Access to these devices should be unobstructed and safe at all times.

All electrical installations for direct wired models (those without a plug/receptacle connection) must include a power disconnect near the kiln and that is easily accessible and safe for emergency power shutoff.

Electrical Safety



A licensed electrician should be used for all electrical installation and service. All applicable local, state and federal electrical codes must be followed.

Use correct voltage, wire size and fuse or breakers. Kiln electrical requirements are located on the kiln nameplate. Make sure all electrical connections are tight. Avoid using aluminum wire.

Always use the proper electrical receptacle. Never alter the kiln power cordset or power cordset plug. Alterations can be dangerous. Alterations will void any warranties along with nullifying any Listing Agency markings.



Evenheat recommends that a voltage check be performed before placing the kiln into service, ideally before actual purchase. Operating voltage varies, with common operating voltages being 208V and 240V. The kilns operating voltage (printed on the kilns nameplate) must match the applied voltage (actual electrical service voltage). If it does not, do not install or operate the kiln as potential electrical and fire hazards exist. Contact Evenheat for guidance in such cases.

The kiln must be properly grounded.



Unplug or disconnect the kiln from the electrical service before accessing the chamber for servicing or vacuuming. Do not attempt to touch or replace the heating elements while the kiln is plugged in or connected to the electrical service. Electric shock may result in serious injury or death.

Never, ever use an extension cord to operate a kiln.

Kiln Location Safety

The best location for the kiln is a concrete floor. If not available, the kiln must be placed on a minimum of 2" of masonry extending at least 12" beyond the outside perimeter of the kiln.



Do not place or use kiln on combustible surface.

Place only on the metal stand provided by Evenheat Kiln, Inc.

The surface on which the kiln is placed shall be capable of safely supporting the combined weight of the kiln, kiln load and any operating personnel.

Observe all building, fire and safety codes when installing the kiln.

Do not install the kiln closer than 12" (31cm) from combustible wall surface or object or 36" from any ceiling surface in all opened and closed positions.

Install in a covered, well ventilated area.

Never place the kiln in a small, enclosed area such as a closet, cabinet or very small room. The room in which the kiln is placed into service shall be capable of safely dissipating all heat produced by the kiln.

Do not place the kiln in any structure resembling a carport or screened in porch. Avoid areas that are subject to outdoors weather.

Never install a kiln outside. Avoid moisture.

It is the user's responsibility to be knowledgeable regarding any and all contaminants, produced by the ware during firing, and take steps to properly and legally contain and dispose of these contaminants.

It is the user's responsibility to provide ventilation capable of removing all gases, fumes and other airborne contaminants produced by the ware during firing safely from work the area and building structure.



Do not store flammable or combustible products near or in the same room the kiln such as gasoline, paint, aerosol cans, paper, curtains, plastics, etc. Better yet, store these items in another separate structure designed for this purpose.

Position the power supply cables, power supply conduit, controller cables, pyrometer thermocouple leads and other materials in such a way as not to create a tripping hazard around the kiln.

The area around the kiln should be free of obstructions that interfere with the proper and safe operation of the kiln.

Never place anything under or above the kiln for storage. Absolutely nothing should be propped against the kiln.

Kiln Use Safety



The surface of the kiln is hot and burn injuries are possible. Keep all children and unsupervised personnel away. Always wear protective clothing, gloves and eyewear when operating and handling a hot kiln.



Use extreme care when accessing a functioning and/or hot kiln. Your kiln is equipped with a power interrupt switch assembly that is designed to remove electrical power from all heating elements when either the lid or chamber is opened. This power interrupt switch assembly is a mechanical devise and it can fail. Under no circumstances should you touch the heating elements with your body or any other devises like tools. Electrical shock may result in serious injury or death.



Use care when accessing or looking into a hot kiln, this includes looking through a cracked lid or peepholes. High heat escapes quickly and burn injury may result. When accessing or looking into a hot kiln, approach slowly and wear protective clothing and gloves designed to withstand high heat and eyewear capable of filtering Infrared and Ultraviolet light.

Protective clothing should be worn when operating the kiln and includes, but is not limited to, cotton clothing, heat resistant gloves and eyewear capable of filtering Infrared and Ultraviolet light.

Do not operate the kiln over the maximum temperature rating printed on the nameplate.

Never fire a kiln unattended beyond its anticipated firing time.

Never allow the power cord to touch the kiln. If the power cord, plug or receptacle becomes damaged discontinue use and replace immediately.

Do not remove the heat resistant, fiberglass sleeve affixed to the power cable. This sleeve protects the power cable from heat directed from the firing chamber.

Do not open the chamber with the lid in the open position.

Do not open the lid with the chamber in the open position.

Be sure that kilns Lid Support Bar and Chamber Security Bar are secured within the wireform catch before releasing the lid or chamber. The hardware used for these support and safety bars should be inspected periodically for damage and wear. If these devices are not operating properly discontinue kiln use until repair or adjustment is made.

It is recommended that a fire extinguisher, capable of dousing an electrical fire, be accessible in the event of fire. Smoke detectors within the kiln room are also recommended.

Keep the kiln lid and chamber closed when not in use.



It is the user's responsibility to have knowledge of the material intended to be fired. If you are unsure as to the safety of firing a particular material contact your materials supplier for guidance. If you remain unsure as to the safety of firing a particular material do not do it. Firing hazards include materials that explode or produce toxic gases. Finished ware hazards include materials containing lead. Materials containing lead should not be used for articles intended for food use.

Fire all ware according to the material manufacturer's instructions. Improper firing may result in damage to the kiln or ware.

Do not use the kiln to prepare food, heat a living space, dry clothes or ice laden articles or use as a storage devise. The kiln is designed for one purpose and one purpose only: the firing of glass materials.

All kiln models not equipped with an automatic shutoff devise (electronic control or kiln sitter) must not be allowed to exceed the rated operating temperature indicated on the kiln nametag. To prevent kiln from exceeding this maximum temperature disconnect it from the electrical power supply.

A kiln will remain very hot long after the firing is complete. All safety recommendations should be followed, even with the kiln unpowered, to avoid any burn injuries. Keep children and other unauthorized personnel away.

When firing is complete, and during periods of non-use, remove power from the kiln by unplugging or by throwing the disconnect or breakers to the OFF position.

Kiln Maintenance Safety



Disconnect electrical power from the kiln before performing any kiln maintenance. Failure to disconnect the electrical power supply may result in electrical shock which can cause serious injury or death.

Replace any worn, damaged or defective parts immediately with Evenheat Kiln replacement parts only. Discontinue use until parts are replaced.



When vacuuming the kiln use only HEPA filters on the vacuum. Prolonged expose to brick dust and other refractory materials can cause lung injury.

Inspect all electrical service connections periodically for wear.

Periodically check chamber jacket clamps for tightness. Tighten as necessary.

Assembly & Installation

Tools needed for installation:

Phillips Screwdriver
7/16" Wrench
1/4" Nutdriver (included)

Remove Shipping Container and Top Styrofoam



Cut the plastic shipping bands and remove the shipping container lid.



Remove the Styrofoam sheets. You will note that 6 pieces of angled metal (used for the stand) are held within the Styrofoam. Set the Styrofoam aside and stack - do not dispose of just yet.

Stand Assembly and Placement

Locate the 2 "stand boxes" and remove from the shipping container. These boxes contain the various hardware items needed to complete installation.



Remove the contents from stand boxes and locate the 8 stand legs and stand hardware (32 nuts and bolts). Note that there are 2 styles of stand legs: 4 angled top and 4 straight top.



Locate the 2 long metal pieces and 2 short metal pieces removed from the container previously. Along with the 4 angled top stand legs these will form the perimeter of the kiln stand.

Place one long and one short frame metal angle, along with one angled stand leg, to form a corner as shown. Secure corner with stand hardware nuts and bolts.



Repeat with the remaining 3 stand corners to complete the stand perimeter.



Place the remaining 2 short stand angles and straight top legs in the center of the frame as shown and secure with nuts and bolts.

Install the 8 plastic stand feet on the stand.



The kiln stand is now completely assembled and may be moved to the desired kiln location. Please refer to the "Kiln Location Safety" checklist located at the beginning of these instructions for safe and proper kiln placement.

Remove Shipping Tube and Packing



Remove the shipping container cardboard outer "tube" and packing material from around the kiln.

Setting Aside Chamber



Move the kiln chamber to the stacked Styrofoam pieces previously placed. When doing so allow the rear hinges to hang over the edge of the stacked Styrofoam. The kiln chamber weighs approximately 180 pounds. Two people are needed for moving. Use personnel capable of safely lifting and moving this amount of weight.

Move and Place the Kiln Floor on the Kiln Stand



Move the floor to the kiln stand and place it into the stand. We suggest moving the floor by grasping the front of the floor with one hand and the handle with the other as shown. The kiln floor chamber weighs approximately 95 pounds. Two people are needed for moving. Use personnel capable of safely lifting and moving this amount of weight.

Move the Kiln Chamber to Kiln Floor



You must now move the kiln chamber and place it on the kiln floor. The kiln chamber weighs approximately 180 pounds. Two people are needed for moving. Use personnel capable of safely lifting and moving this amount of weight.

Important Notes and Cautions for kiln chamber moving:



When moving the chamber it's possible to rotate the chamber to move through narrow doors and hallways. When rotating you must rotate in such a way as to place the rear lid hinges at the top. This prevents the lid from opening as the chamber is rotated.



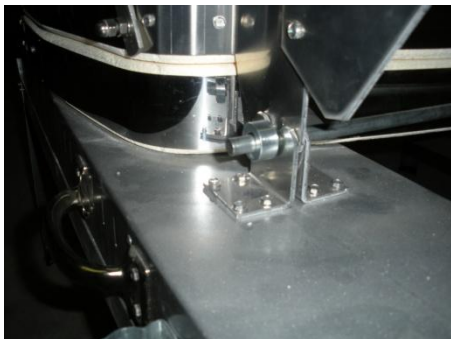
If chamber rotation is necessary please note that as the chamber is rotated it becomes heavier on the lid side. When rotating, rotate slowly and be ready to feel and react to the heavier lid side. Failure to keep this effect in mind may cause the chamber to rotate unexpectedly and control may be lost. Damage to the kiln, other property or injury may result. Go slowly and be mindful and ready.



Grasp the kiln chamber as shown: hands towards the rear of kiln should be facing up and hands towards the front of kiln should face down. This hand orientation will make rotating and controlling the kiln chamber easier if the chamber needs to be rotated to navigate narrow doors or hallways.



Proper lifting and chamber rotation. Please note from images that the back lid hinges are located at the top as the chamber is rotated. Also note that the lid side of the chamber, as it rotates and once rotated, becomes heavier than the non-lid side. The men in this image slowly rotated the chamber and felt, and reacted to, this weight shift. Take your time and be aware of this. Failure to consider these points may result in damaged property or personal injury.



Place the chamber hinge ears in between each of the floor base hinge ears as shown. The floor base hinge ears are angled and slotted which allows for an automatically alignment and fit. The kiln chamber is now properly placed.

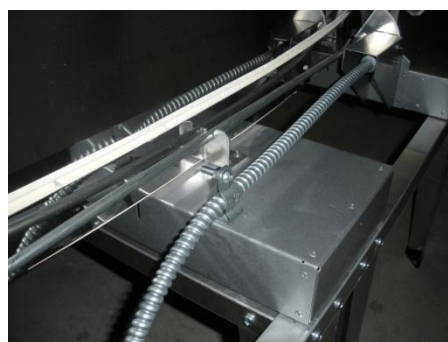
Power Interrupt Switch Installation



Locate the power interrupt switch attached to the kiln control panel. Route the conduit under the stand and up through the first opening as shown.



Attach the power interrupt switch bracket to the inside, back left floor base with the 4 included screws as shown.



Secure the power interrupt switch conduit in the conduit clamp on the center floor base as shown.



Secure the power interrupt switch conduit in the conduit clamp on the side of the right floor base as shown.



When done, the conduit coming from the control panel should be roughly parallel with the large conduit that runs to the lid.

Chamber Safety Bar Installation



Locate the included Chamber Safety Bar. Pay attention to the notched portion at the end of the bar. This notch will face the back of the kiln when installed.



You will note a mounting plate with stud on the left side of the kiln chamber. You will also notice a wireformed catch directly below it. These items are involved with the installation of the Chamber Safety Bar.



Remove the acorn nut and "T" nut from the kiln chamber mounting plate.



Place the chamber safety bar through the wireform catch and onto the mounting plate stud as shown.



Please note that the notch in the chamber safety bar is to be positioned so it faces the rear of the kiln as shown. Failure to follow this instruction will not allow the chamber safety bar to work as intended and will present a safety hazard.

Thread the "T" nut onto the stud. The collar on the T nut will fit into the hole of the chamber safety bar and should be threaded on entirely. Tighten with pliers or wrench.



Thread the acorn nut on to the stud and tighten with pliers or wrench.



Installation of the chamber safety bar is now complete. Now would be a good time to double-check that the notch on the chamber safety bar is facing towards the back of the kiln as shown. If it doesn't look like the image above, remove and remount properly.

Installing the Lift Assist Springs



Installation of the Lift Assist Springs is a 2 person job.



Locate the 4 lift assist springs.



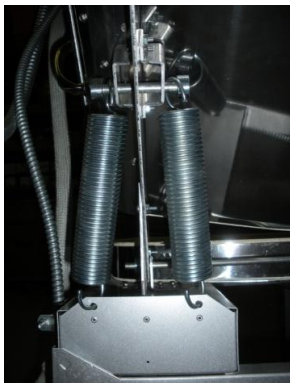
You will note that the back of each outer floor base contains 2 holes. These are mounting holes for the lift assist springs.



Insert one end of each of the 4 lift assist springs into the floor base mounting holes as shown.



Have one person rotate the chamber up from the front chamber handle until the stops, located on the chamber hinge ears, make contact with the floor bases. The chamber should be held there until all 4 lift assist springs are attached. Place the other ends of the lift assist springs on the hinge mounting points as shown. Make sure the springs are seated onto the rod portion of the mounts.



Properly placed lift assist springs, back right.



Properly placed lift assist springs, back left.

Removal of Handle



The handle located on the back right of the kiln chamber must be removed for proper operation of the lid support bar. We do recommend that the screws be placed back into the holes to cover any sharp edges.

Installation Complete



Kiln placement and installation is now complete. Please refer to the operating instructions for proper placement of electrical receptacles, power source disconnects and other electrical power requirements.

Studio Pro 41 Features



Dual Access Design

The Studio Pro 41 features a Dual Access Design. The Dual Access Design simply means you have the choice of entering the chamber through the Top or through the Front.

Front entry offers its many unique advantages. Front entry grants wide open access to the kiln floor. This wide open access is excellent for ware placement, particularly for ware that cannot be moved once positioned and lends itself especially well to glass placement found with large and architectural pieces. Front entry also makes possible the use of forming tools that require a horizontal approach.

Wall-free, front access also allows excellent opportunities for glass manipulation that require a horizontal approach such as raking or glass roll ups. Your work presents itself completely and without reservation.

Top entry offers many unique advantages. Top entry allows for the use of forming tools that require a vertical approach. It also offers easy placement of large ware such as slumping molds and forms.

Seamless Shelf

Large architectural and art pieces demand a firing shelf that is free of seams and joints. It's next to impossible to create large pieces that enjoy continuity and visual flow using a grouping of small shelves. A singular, seamless shelf is called for and the Studio Pro 41 delivers.

Our single, one piece shelf is designed exclusively for the Studio Pro 41 and offers 884 square inches (6.14 sq. feet) of uninterrupted firing surface. It's shaped perfectly for the firing chamber and measures 39.3" at its widest and 41" at it longest.

As a practical matter, the largest rectangular area of our single shelf measures 39.3" x 20.5" which gives 805 square inches. Compare this to two 20" x 20" square shelves butted up against each other that gives 800 square inches. While each offer about the same firing area, Evenheat's single, seamless shelf does so without seams.

Fiber Lid Construction

The lid of the Studio Pro 41 is constructed of a special fiber material that provides excellent thermal properties along with light weight. This design allows the heating elements to be positioned on the surface for maximum heat transfer and firing efficiency. We also position these lid heating elements left to right to prevent them from sagging or bunching-up with repeated opening and closing. It's a small but important detail that guarantees performance and satisfaction over the life of the kiln.

The Studio Pro 41's well engineered lid uses a variety of design principles to deliver strength, material support and flex where needed. Strength is provided by the center lid truss and shrewd use of metal bends. Material support is accomplished via a matrix of refractory rods and buttons. Flex is properly found in the stainless band ringing the lid itself. It works very well.

Swing View Adjustable Control

The Swing View Adjustable Control is a pivoting, swing-up enclosure that allows the user to rotate the controls to a comfortable viewing and programming angle. It's that simple. You're going to really enjoy this feature.

The Swing View Adjustable Control is stock equipped on the Studio Pro 41.

Wonderful Handles

As with all of our kiln designs, the Studio Pro 41 is equipped with wonderfully designed handles for confident and easy use.

The lid handle is lowered and extended to offer a shorter, more relaxed movement. It's also wide enough to allow for easy gloved-hand operation. Our chamber handle spans the entire width of the chamber to lift only at the strong corners and is set away from the outer surface for a cool and confident grip.

Handles are a design priority at Evenheat. A kiln must be easy to use and handles are never an afterthought. We enjoy fitting our kiln designs with serious handles and you'll appreciate the effort.

Spring Assist Lift

To assist in front opening the Studio Pro 41 includes a spring assist feature. This well designed mechanism travels cleanly and does not pull the artist into the kiln like lesser designs. Travel stops are included to prevent over extension of the chamber and to provide a consistent chamber opening angle. We've also included a safety bar to prevent the chamber from free-fall.

In the heat of battle you need a smooth and anxious-free movement and the Studio Pro 41 delivers.

Stout Hinge Design

The Studio Pro 41 chamber pivot is secured to the base of the kiln, not the floor. These strong and sturdy pivots support the load easily and are reinforced internally for exceptional strength.

The chamber pivots are critical to the overall performance and life of the kiln. It's the details that make Evenheat "Better by Design".

Corner Mounting Technique

The corners of the kiln body and lid provide excellent strength for mounting. The flat sides of the kiln don't offer this strength, especially on square shaped kilns.

We install our load bearing hinges, spring assist and handle brackets on these corners for this reason. Longer life, high reliability: solid design makes a difference.

Well Designed Stand

Kiln stands tend to get overlooked by some manufacturers. Not Evenheat. The stand on the Studio Pro 41 is more than a simple stand and was engineered from the ground up to take the loads and requirements of use.

The Studio Pro 41 stand is permanently attached to the kiln base itself and is shipped completely assembled. We don't use temporary or quick release fasteners as these are prone to failure. It's a solid design that quietly does its job.

Easy Set-up through Narrow Doorways and Halls

The Studio Pro 41 is shipped partially disassembled for easy set-up and passage through narrow doorways and halls. The floor and chamber are handled separately allowing for installations where other, comparably sized kilns would not fit.

Power Interrupt Switch

The Studio Pro 41 is standard equipped with a power interrupt switch which removes electrical power from all heating elements if either the lid or chamber is opened. This is important for those who may access the kiln during firing such as glass manipulation and roll-ups.

Studio Pro 41 Setup and Placement

Kiln Location

Before unpacking and setup of your Studio Pro 41 you will need to make sure your kiln location is adequate for unobstructed and safe operation.

Place your Studio Pro 41 in a location that offers a level, non combustible surface. The Studio Pro 41 should be placed no closer than 12" from any wall or 36" from any ceiling surface in all opened and closed positions. All flammable and combustible materials should be removed from the kiln area. Enjoy your kiln safely.

The kiln location must be strong enough to support the weight of the kiln, personnel as well as shelving and ware to be fired. Please note again that the surface on which the kiln is placed should be made of a non-combustible material.

The Studio Pro 41 is equipped with power supply cable fitted with a 240V, 50A plug (NEMA 6-50P). The corresponding 240V, 50A receptacle (NEMA 6-50R) should be located near the kiln's setup location. The position of the receptacle should be such that the kiln's plug easily reaches and plugs in nicely. Stretching the cable to plug it in can cause receptacle failure, avoid this. The power supply cable must also be positioned in such a way as to avoid a tripping hazard.

Kiln Installation

Your Studio Pro 41 has been shipped in 3 sections for easy placement. Narrow doorways and halls are possible to navigate with each of the 3, individual sections. This allows you to place the kiln where it would be otherwise impossible or impractical to do with a kiln of this size.

We have produced a separate installation manual that is included with your kiln. Please refer to this manual for proper and safe installation.

Kiln Operation

Plugging In the Kiln

Throw the kiln control panel power switch to the OFF position. Plug the Studio Pro 41's power plug into your receptacle. Be mindful that the power cord plug easily reaches the receptacle. If it does not, safely reposition the kiln and/or receptacle until it does.

The power supply cable on the Studio Pro 41 is sleeved with a heat resistant, fiberglass material. This material protects the power supply cable from heat directed from the kiln. Even with this special sleeve it is important that the power supply cable does not make contact with the kiln. Safely reposition the kiln and/or receptacle if necessary.

It should also be noted that the path of the power cable should not create a tripping hazard. It should be positioned in a no-traffic area. Safely reposition the kiln and/or receptacle if necessary.

Pre Fire

Evenheat suggests that you perform a test fire with your new kiln before putting it into service.

A pre fire gives you an opportunity to become familiar with the features and functions of the kiln before committing to an actual firing. It also allows your heating elements to form a protective oxide barrier. A light lubricant was used in the production of your heating elements. The pre fire will burn this off, almost immediately! You may notice a light smoke as this occurs. It's normal.

A separate control manual is included on the manuals disc included with your kiln. Refer to these manual(s) for controls programming instructions.



Scan this QR code to view instructional programming videos for TAP and Rampmaster controls.

You will also find these instructional videos and manuals on our web site www.evenheat-kiln.com

Program the control to reach 1200°F as fast as possible and hold for 15 minutes (see the included controls programming manual for instruction). Once the kiln reaches 1200°F it will begin to hold for 15 minutes. As it's holding you will may notice audible clicks. These clicks are made by the control relays turning the heating elements on and off and it's a normal and welcome sound. Solid state relay equipped kilns will not make "clicking" sounds.

We would encourage you to repeat this pre fire procedure if you've never fired a kiln of this design before. You won't hurt anything. Kilns are wonderful machines and they're even more wonderful when you know what to expect and how to work them.

Your Firing Surface

Evenheat recommends, and supplies a full, seamless shelf for use in the Studio Pro 41 (part #07441.000). This full shelf measures 39.3" wide and 41" long. The corners of the shelf are shaved slightly for a perfect fit.

Regardless of your firing shelf choice, your shelf should be prepared by applying a coat of glass separator. Glass separator prevents your glass from sticking to the shelf during firing. You must use glass separator when firing directly on the kiln shelf. If you're using Evenheat supplied glass separator preparation and applications instructions are included.

You may also choose to fire on many of the fiber "papers" available.

You DO NOT want to fire your glass directly on the floor of the kiln. Doing so will most likely allow your glass to stick to the floor and damage it, and that's no fun. If you have not prepared your shelf do so now.

Placing Shelves into the Studio Pro 41

Evenheat recommends that shelves, forms and other firing surfaces (molds, forms, etc.) be loaded from the top. See "Loading the Studio Pro 41 from the Top" in this manual for proper Top Loading procedures.

Loading and positioning of the shelf or other firing surfaces from the top allows the artist to properly position these items within the chamber so as to allow for proper spacing to the chamber walls and thermocouple and to allow for error-free front access.

It's also recommended that 1" posts be used under the shelf or other firing surfaces (molds, forms, etc.). Other post heights are acceptable. Posts act to bring your shelf up off the floor which tends to reduce and eliminate bubbles. For typical glass firings using the full shelf, we recommend using at least 12 posts to support the shelf. If you're firing a large amount of glass, such as casting, we do recommend using more posts for added support.

When positioning the shelf or other forms it is recommended that these items be placed away from the thermocouple (temperature sensor) as much as possible. Any shelf or form should be at least 1" away from the thermocouple. The shelf should also be positioned below the thermocouple as placing it above may cause a low temperature reading.

Loading the Studio Pro 41 from the Front

To load the Studio Pro 41 via the front, throw the kiln control panel power switch to the OFF position and simply lift on the chamber handle. Take the chamber back until the chamber hinges make contact with the base rails (automatic stop).



As the chamber is opened, a safety bar on the left of the chamber will drop into position against a wireform catch. This safety bar is designed to stop the kiln chamber from closing from the open position. If this safety bar does not drop into the wireform catch DO NOT use the kiln until this safety feature is fixed and the safety bar operates properly. Contact Evenheat for assistance.

Your shelf or other firing surfaces should have already been loaded from the top. If you have not done, do so now.

Place your glass artwork onto the shelf or other firing surface. Avoid positioning the shelf, molds, glass etc. directly at the thermocouple (temperature sensor). The thermocouple needs some space around it in order to operate properly.

To close the chamber, pull the chamber safety bar towards you and gently lower the chamber using the chamber handle. Do not lower the chamber using the lid handle.

Open the lid and check for clearance, particularly with the thermocouple. Remember we want to give the thermocouple some space. Reposition your shelf and/or glass if necessary.

Loading the Studio Pro 41 from the Top

To load the Studio Pro 41 via the top, throw the kiln control panel power switch to the OFF position and simply lift on the lid handle. For best results grasp lid handle with both hands.

Take the lid all the way back until the lid support bar catches on the wireform catch located on the kiln chamber.



As the lid is opened, a support bar on the right of the lid will drop into position in a wireform catch. This support bar is designed to hold the kiln lid in the open position. If this support bar does not drop into the wireform catch DO NOT use the kiln until this feature is fixed and the support bar operates properly. Contact Evenheat for assistance.

Place your glass artwork onto the shelf or other firing surfaces. Avoid positioning the firing surfaces or glass directly at the thermocouple (temperature sensor). The thermocouple needs some space around it in order to operate properly.

To close the lid, move the lid support bar from the wireform catch and gently lower. For best results grasp the lid handle with both hands when lowering. When closing the lid be sure that your glass does not make contact with the lid or lid heating elements. This is possible when using tall forming molds and large pieces and must be avoided.

Firing the Studio Pro

Once the Studio Pro 41 has been properly loaded and closed you may now fire the kiln.

Throw the power switch, located on the kiln control panel, to the ON position. The temperature control will illuminate and programming of the control is now possible.

A separate instructional manual for the Set-Pro and Rampmaster controls was included with your new Studio Pro 41. Please refer to these manuals for all programming and operation details.

Initial Kiln Maintenance (Chamber Tightening)

The Studio Pro 41 uses worm-gear clamps to secure the stainless steel chamber jacket to the brick chamber. During firing, particularly on a new kiln, the stainless steel jacket expands causing the worm-gear clamps to loosen slightly. These worm-gear clamps (located on the left side of the chamber) must be checked for tightness and tightened if necessary. While holding the worm-gear clamp securely with a pair of pliers or channel locks, use a 5/16" socket to tighten each worm-gear. Snug is good, do not overtighten.

Evenheat recommends that these clamps be checked for tightness after each of the first three firings and then after every other third firing.

Lid Heating Element Support Rod Maintenance

The Studio Pro 41 lid is constructed of a fiber material that is supported through the use of refractory buttons and rods. Initially the fiber is in a soft, blanket state and self-rigidizes as it's used. After this initial period, you may find that the element rods appear to have slack between the lid heating elements and fiber material. It's at this point that you may remove this slack and bring the element rods close to the fiber lid material once again.



Before performing this procedure remove power from the kiln by unplugging the kiln's power cord from the wall receptacle. Failure to remove power before maintenance can expose the user to dangerous voltage which can lead to injury or death.

Remove the small, stainless vent plate attached to the bottom of the lid handle bracket.

Remove the lid spanning rod by removing a collar and pulling the lid spanning rod out.

Remove the 8 screws that secure the center lid box to the lid.

Pull away the center lid box to expose the element/rod connections.

Carefully open the lid all the way back until the lid support rod catches the wireform catch.

Locate and loosen each element rod connector you would like to remove slack from. Use channel locks or pliers to hold the brass barrel while loosening the silver colored bolt with a 1/4" socket or nutdriver.

Gently push the element rod up against the lid fiber and tighten the silver colored bolt. *Do apply force on the rod as you position it against the fiber. Simply move it against the fiber.*

Repeat this procedure for any remaining element rods you would like to tighten.

Once chosen element rods have been tightened reassemble in reverse order.