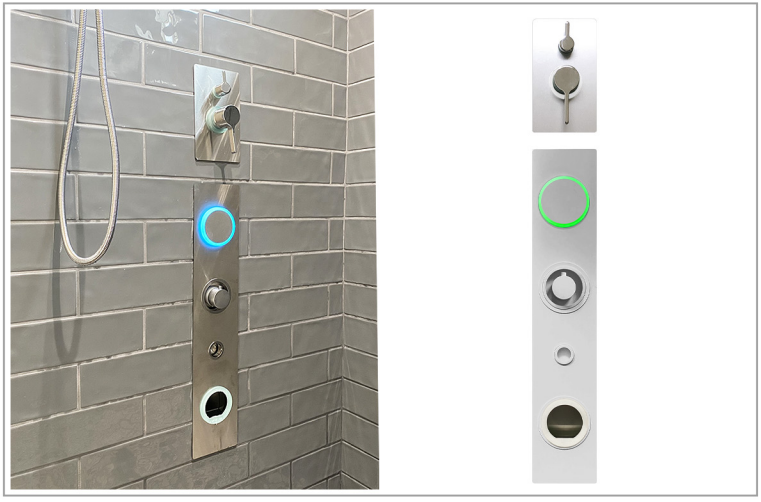
SERENESTEAM®

Fill the air with wellness

Installation Guide - **Sensory Splash Chroma**



Before commencing installation **please read this guide carefully** and keep it handy for future reference.

Serene Steam is in compliance with the Uniform Plumbing Code (UPC)
with IAPMO - IGC- 154-2019 Standard.

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Important Notes Before You Begin

Please Read

All product parts and system models displayed in this manual may appear slightly different from your system ordered due to product upgrades, enhancements etc. and are subject to change without notice.

Required Parts For Installation

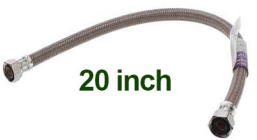
You will require a few general “Off the Shelf” plumbing parts for the installation which are not supplied as these parts will depend on a few factors such as the size water tubing your home uses, or perhaps you are doing a remodel or new construction etc. Once your plumber begins the installation process, he/she should know exactly which parts, or attachments to adapt to the Serene Steam system.
Your installation may require further general parts from your local store that may not have been displayed here. (any additional parts that are not listed should be basic, and a plumber or contractor should know).

ALWAYS USE CERTIFIED PLUMBING PARTS WITH SERENE STEAM

The following *"Off the Shelf"* parts *are required,* and not supplied

Additional unknown components may be required for your specific shower enclosure

Shark-bite fittings, angles may vary



1/2 fip x 3/8 comp flex faucet supply

Flexible coupling

GE Iron Grip silicone is recommended for installation applications

Sanitary Tee

*

ABS Pipe Increaser/Reducer

ABS pipe approx. 4-6 feet

RedGard, or alike is recommended for water-proofing

For best results, please read

The following descriptions below would be considered the essential requirements for best results when installing, and using Serene Steam.

Your hot water heater setting

Set your water heater to at least 135-140°F for best results.
Serene Steam use is *IAPMO Certified & meets IGC-154-2019 standard.*

Your shower water pressure

Standard household water pressure should be between 50 and 55 PSI for best results.

Please check your water regulator is up to code, 50 PSI.

Your shower enclosure

Your shower enclosure should be sealed and adapted correctly for steam use.

May we also recommend

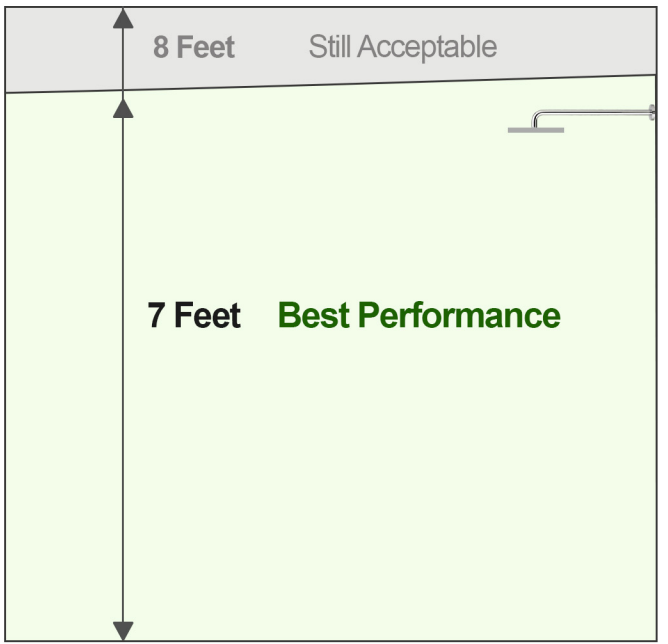
It is recommended to use a water softener and chlorine filter in your home to generally prolong, and protect your water fittings, and enjoy healthier water.

Not mandatory. However, It is recommended where possible to use 3/4 inch Pex tubing for your general household plumbing. You may require a reducing coupling to connect 3/4 tubing to the 1/2 inch connection on the Serene Steam rough-in.

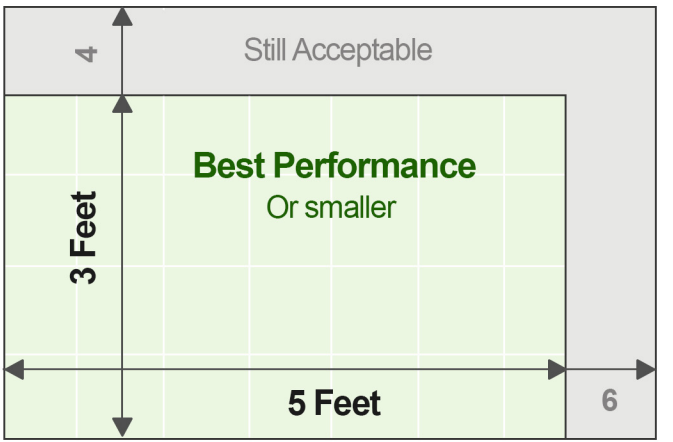
For best results, please read

The following descriptions below would be considered the preferred requirements for best results for your shower size when using Serene Steam.

SLANTED SHOWER CEILING HEIGHT



SHOWER FLOOR



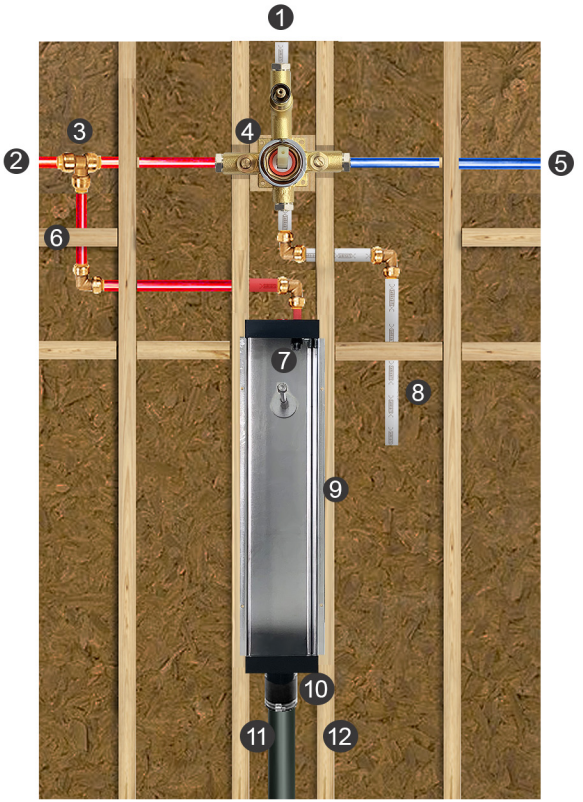
Best Performance = The perfect size of your shower

Still Acceptable = Still effective at this size

Or Smaller = The smaller, the most effective

The image displayed below is a *quick reference* of the installation process

Detailed installation guide must be followed as explained later



① Water line to your shower head (shower head not included)

② Main hot water line

③ Tee connection on your hot water line flowing to the mixing valve as well as to the Serene Steam rough-in

④ The hot & cold shower mixing valve

⑤ Your cold water line

⑥ Hot water line extension to Serene Steam rough-in

⑦ Connection point which will connect Serene Steam unit at completion

⑧ Water line to hand held shower/wand (hand held parts not included)

⑨ Rough-in fastened firmly between two studs

⑩ Flexible coupling connecting the rough-in to the drainage system

⑪ Black ABS pipe, part of your new drainage system

⑫ Your main verticle studs to support the rough-in (MUST be created)

Please note that this sample diagram may appear slightly different in your construction. However, it depicts an accurate example of a correct structure.

You are now ready to begin installation with the following steps

This is the most important step of your installation - Preparing The Drain

STEP 1

Whether you are remodelling or constructing from scratch, this image displays a typical drainage configuration underneath your shower floor.

A BEFORE INSTALLATION IMAGE

Now ddd a sanitary tee as shown between the P-Trap and shower drain. Use the correct size fitting for your pipe, typically a 2 inch pipe is used. Now you have access to the tee which will connect to the Serene Steam rough-in.

Once the tee is in place, you will insert an amount of ABS pipe as shown **(at least 4 feet for now)**, so that it can reach the Serene Steam rough-in drain connection later. In this process, you are simply creating a pipe structure so that it can connect to the drain section of the rough-in. Once this verticle pipe connection is in place, it's correct location should be in the horizontal center of your shower enclosure for best results, as noted on the next page.

Drain assembly continued

AN AFTER INSTALLATION IMAGE

This is an animated image of how your new drain structure should now appear.

Please note: make sure that you initially run at least 4 feet of pipe for this vertical section as it will need to reach the rough-in later. It can be trimmed later to the correct height.

Real life images below for reference

This actual installation image displays the complete drain assembly which is connected to your drain using the tee, and located under the shower floor as described earlier.

Please note

This vertical pipe structure should now appear in the ***horizontal center*** of your shower as shown.

This actual installation image shows the tee connected to the P-Trap and drain underneath the shower floor as shown. This is how your drain should now appear.

Drain assembly completion

HERE IS A SAMPLE OF HOW YOUR SHOWER SHOULD NOW APPEAR

Make sure you have constructed your main vertical studs to support the Rough-in later. These studs and your drain assembly must be in the horizontal center of your shower enclosure as shown here, and mentioned again later.

Your final height of ABS pipe should be 11 inches up as shown.

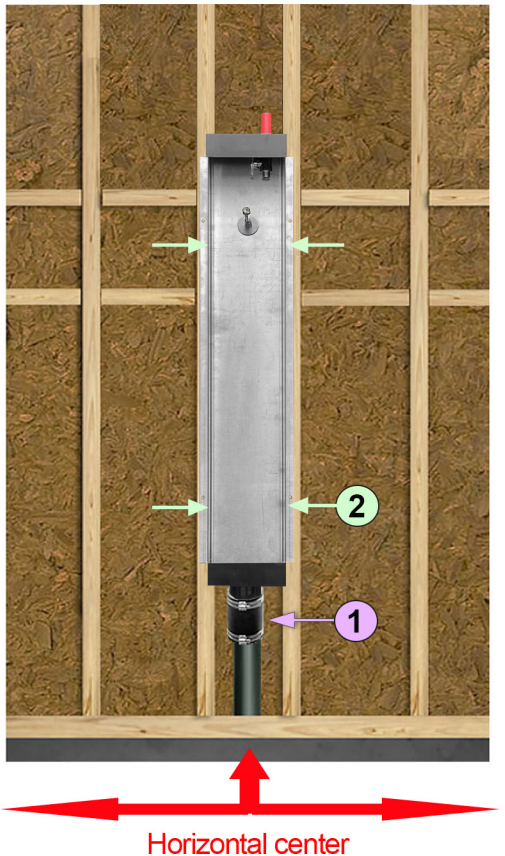
REMEMBER:
The 11 inches should be calculated from the top of a **COMPLETED TILED** floor.

For example, after you add your floor concrete and tile, then your 11 inch measurement should be from the top of your finished tile.

11 inches from above **a tiled floor**

For example, if you anticipate that your completed floor will be 3 inches higher when it is complete, then add the estimated 3 inches on top of the 11 inches.

Inserting the Rough-In and Mixing Valve



STEP 2

First install the rough-in by mounting it firmly onto your new drain extension, and between the studs as shown.

Position your studs with a distance between them so that they will support the flange of the rough-in as shown. The rough-in has a depth of **3 1/2** inches.

Please follow the color coded reference for this step.

1. Attach, and secure the flexible rubber coupling between the bottom section of the rough-in and ABS drain pipe as shown. **Remember:** Your ABS drain will now extend vertically 11 inches above your shower floor. Before attaching the rough-in, measure 11 inches **above an estimated finished floor which includes concrete, hotmop, tile.**

2. Mount the rough-in onto the supporting studs using stainless steel wood screws.

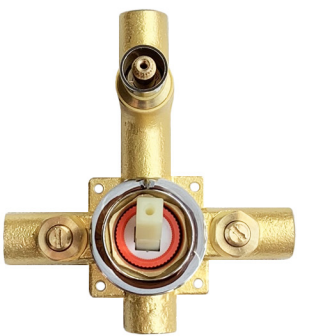
3. Make sure that your drain extension was installed as close to the horizontal center of your shower enclosure as described earlier. This will ensure that the Serene Steam system will be in the horizontal center of your shower for best results during use.

Inserting the Rough-In and Mixing Valve

STEP 3

USE THE MIXING VALVE TEMPLATE

For positioning the mixing valve above the rough-in as shown

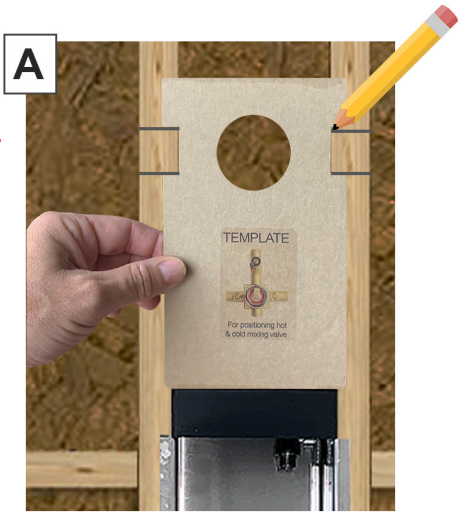


Mixing Valve

It is **mandatory** to use the template for positioning the mixing valve or the system will not connect correctly, nor be able to function

Details continued on next page

Inserting the Rough-In and Mixing Valve



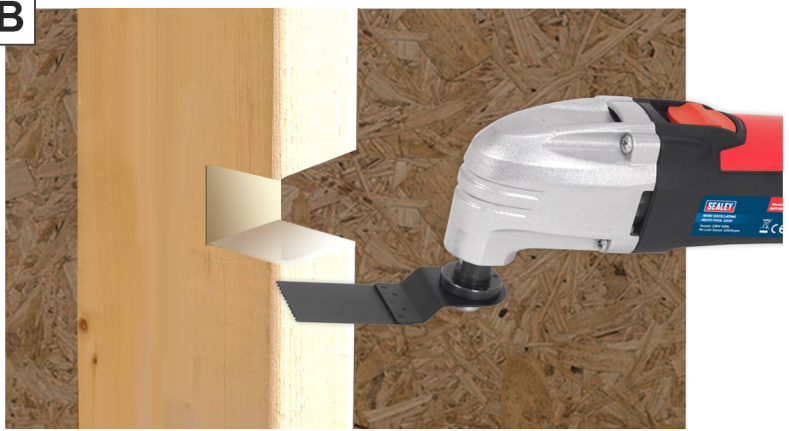
1. Firmly place the template on top of the rough-in so that it rests on the top of the plastic as shown in figure **"A"**.
2. Using a **sharp pencil point**, make 4 horizontal lines across your two studs from the cut-out section of the template as shown.
3. Remove the template and you should now see the 4 horizontal lines as shown in figure **"B"**.

Inserting the Rough-In and Mixing Valve

Notching out the cavity for the mixing valve

A

B



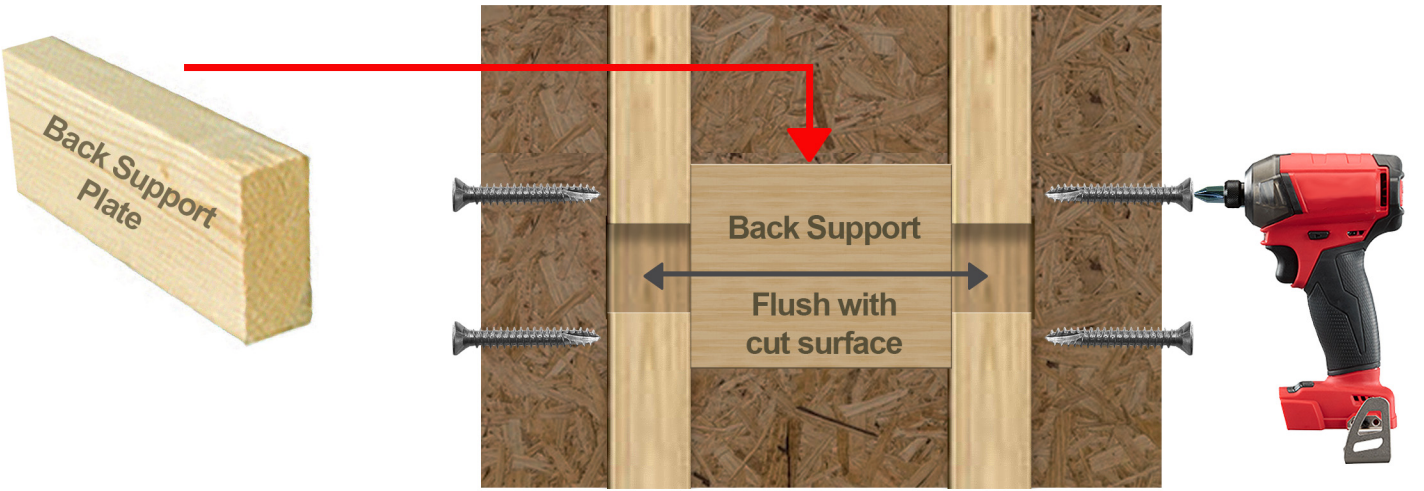
1. Now draw the additional “depth markings” on both sides of both studs so you can notch out this section as shown in figure **“A”**.

These new markings on the sides of the wooden studs **must be 3/4 of an inch deep**, it is **very important** that this measurement does not exceed 3/4 of an inch in depth.

2. Now cut/notch out the marked sections on BOTH studs using an oscillating tool (recommended) to achieve a quality cut for these notches as shown in figure **“B”**.

Inserting the Rough-In and Mixing Valve

Creating a back support for the mixing valve



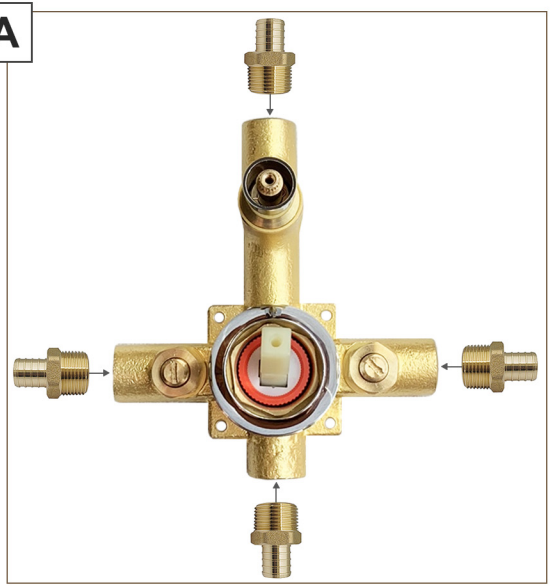
1. Cut a section of wood & place it between the studs creating a back support for the mixing valve as shown.

2. Fasten the new back support in place so that it is **flush with the back surface** of the cut-outs as shown.

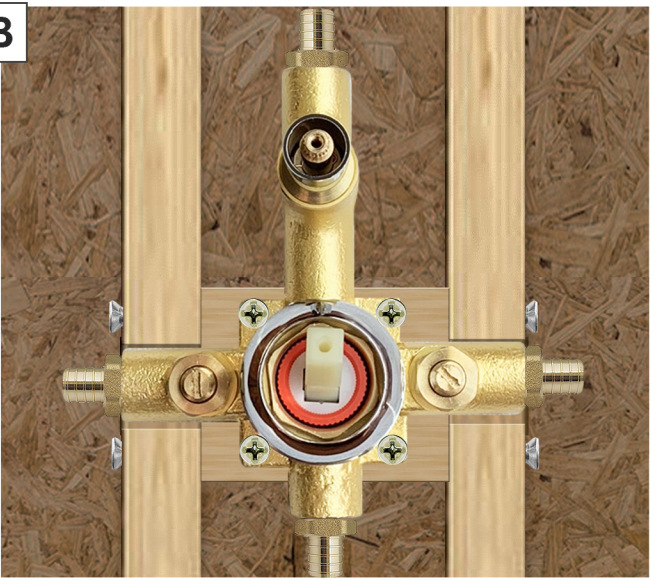
Inserting the Rough-In and Mixing Valve

Securing the Mixing Valve in place

A



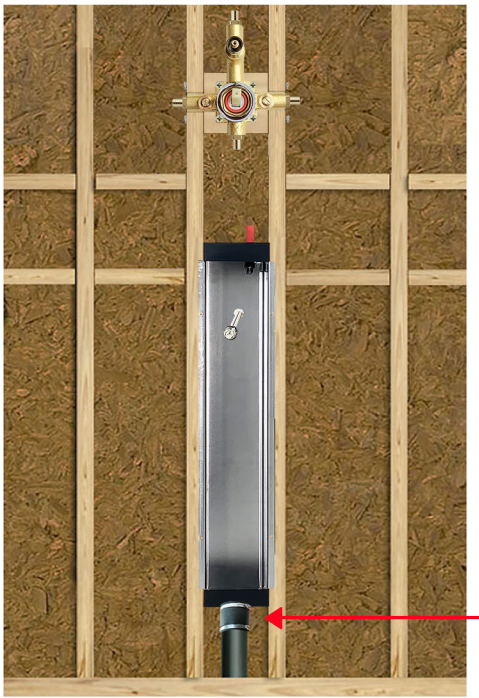
B



Insert your PEX fittings into all connections of the mixing valve **before securing it into place** as shown in figure **"A". It is highly recommended to use PEX fittings only,** and secure all fittings "Water Tight" using a quality Teflon Tape and Paste. Now secure the mixing valve in place as shown in figure **"B"**

Take a short pause to inspect that all the installation guidelines have been met before continuing.

This is how your installation should now appear



Make sure the rubber coupling is firmly connected forming a water-tight seal.

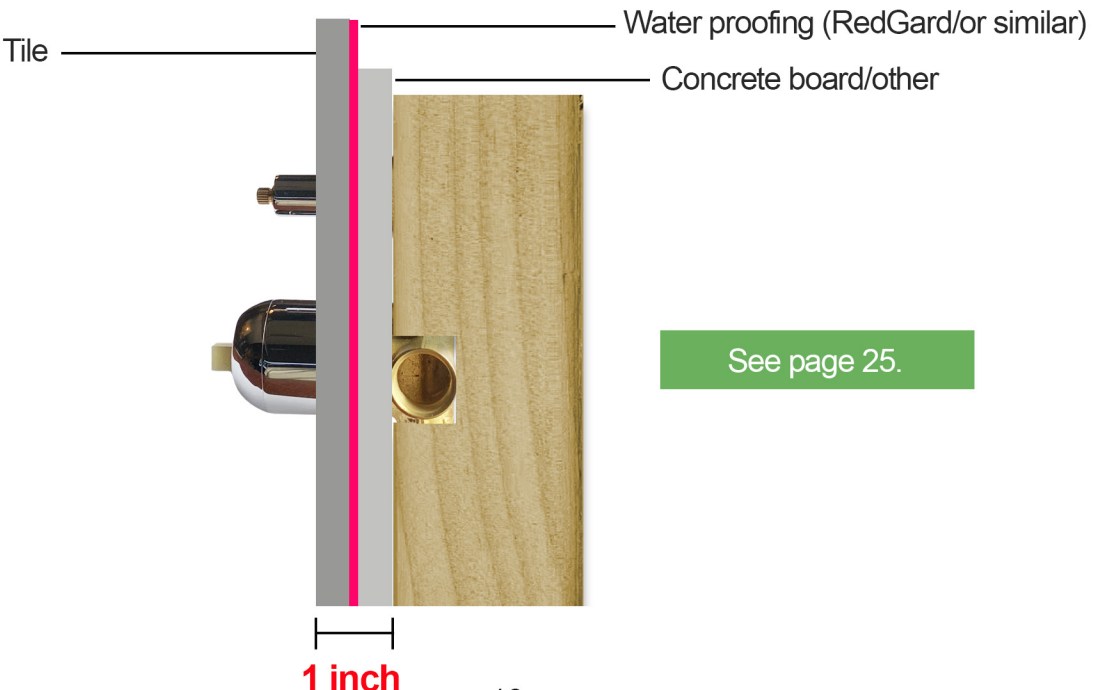
Side View

of Mixing Valve Secured

Important Note

When applying your board, water-proofing and tile

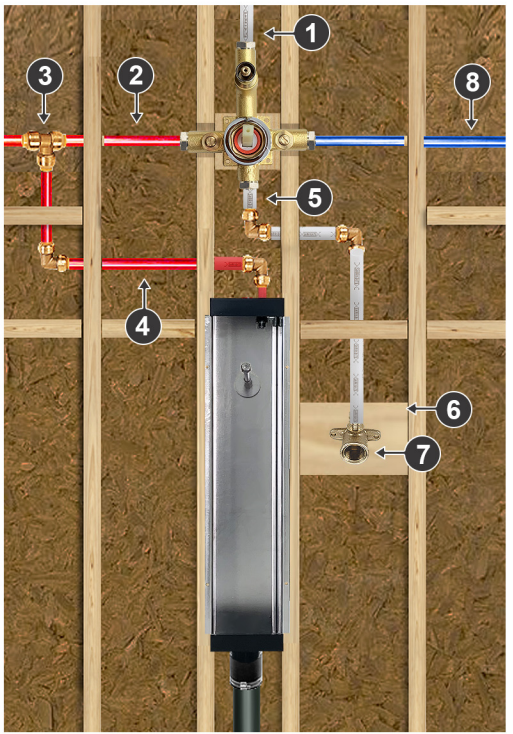
Try not to exceed 1 inch in total as doing so may be difficult to affix the final accent rings on to the valve later.



See page 25.

Connecting your water lines to the Rough-in and Mixing valve

Follow the numbered guidelines below with their corresponding description



STEP 4 **Connect your water lines as shown**

① Water line to your shower head (shower head not included)

② Hot water line. Connects to mixing valve and rough-in

③ Insert a Tee connection on your hot water line so the hot water flows to the mixing valve as well as to the Serene Steam rough-in

④ Hot water extension from the Tee connection to the rough-in

⑤ Hand held shower/wand connection (hand shower/wand not included)
Extend this line to your desired location as shown in our diagram

⑥ Create a back plate to secure hand held/wand connection

⑦ Connect a drop ear elbow for connecting hand held/wand
Our description displays a Pex drop ear elbow, but please use the correct connection here based on the type/model hand held/wand components which you desire to use

⑧ Cold water line. Connects only to the mixing valve

Test all connections for any possible leaks BEFORE closing your wall

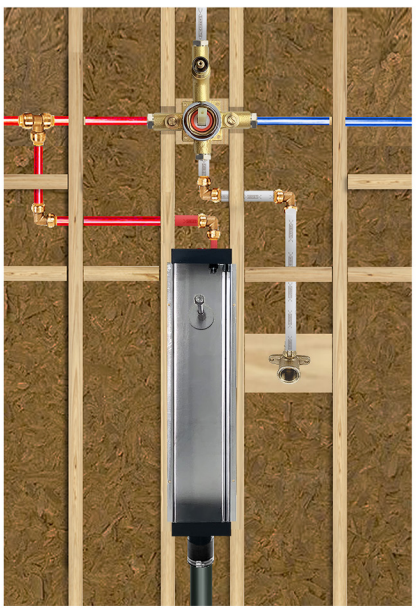
The sample diagram may appear slightly different in your construction. However, it depicts an accurate example of a correct structure.

EXAMPLE of closing and completing your shower wall

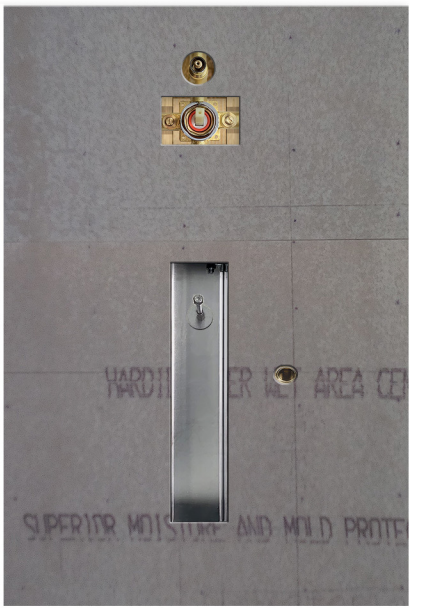
If all looks good, and you don't have any unrelated construction steps, you may now complete your shower wall. Images below are an accurate **example** of closing your wall with the mixing valve and rough-in now in place. Your materials may differ slightly.

Details for closing your wall are continued on next page.

1 **Ready to close wall**



2 **Ready to tile wall**



3 **Completed wall**

Closing, and completing your shower wall

The images below are of a close up example which simply illustrates the correct way to seal the rough-in with your choice of materials to complete your wall. Figure "**A**" shows our concrete sample slightly transparent so you can see that the concrete is covering the complete frame only (flange) of the rough-in, and Figure "**B**" shows how it should actually appear as the ***frame*** of the rough-in is now completely covered, **it is important to cover the flange of the rough-in but do not go over.**

FIGURE "A"

STEP 4

Close, your wall with all materials and continue around the rough-in so that **only the opening** of the rough-in is exposed. You will essentially be closing your wall entirely above the rough-in flanges as shown..

This is a sample image showing the materials slightly transparent (demo only) so you can clearly see where you should seal the materials up to, **and around the rough-in, over the flange.**

FIGURE "B"

Make sure that you extend your wall materials OVER THE FLANGE of the rough-in as shown above.

Closing, and completing your shower wall

It is important to waterproof any gaps that appear between the rough-in and your materials used to close your wall. the images below show the difference between the correct method and the incorrect method, please pay extra attention to this detail, as the correct method as illustrated in ***figure "B" must never be skipped.***

VERY IMPORTANT

FIGURE "A"

INCORRECT

Notice how the wall tile ***has not*** been correctly water-proofed yet. **Make sure it is!**

FIGURE "B"

CORRECT

Most Importantly

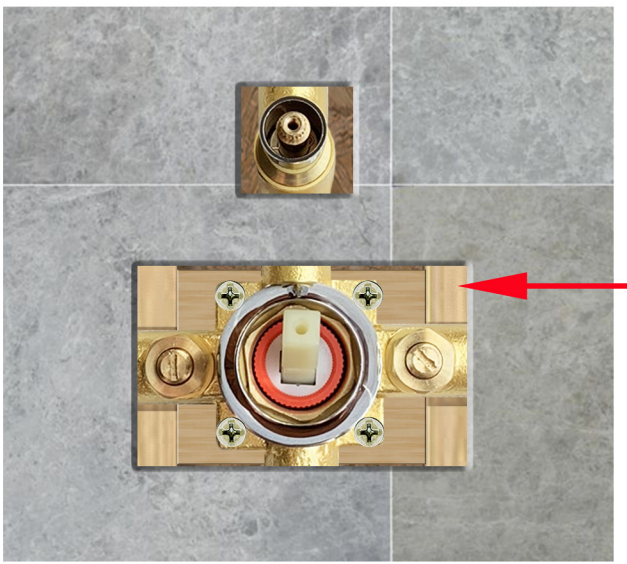
Use **RedGard** or similar to waterproof

Notice how the wall tile ***has*** been correctly water-proofed leaving **no gaps** between the tile and rough-in. Waterproof around the entire rough-in part. **This is very important!**

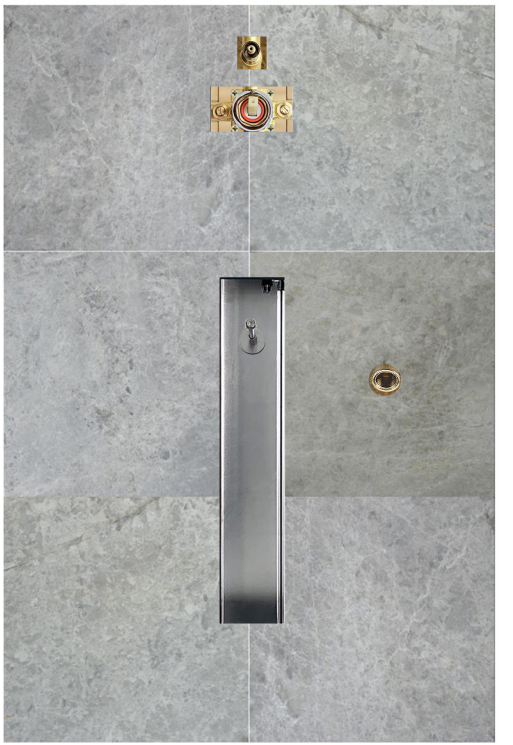
Closing, and completing your shower wall

This is how your completed shower wall should now appear

A close up view of the mixing valve section

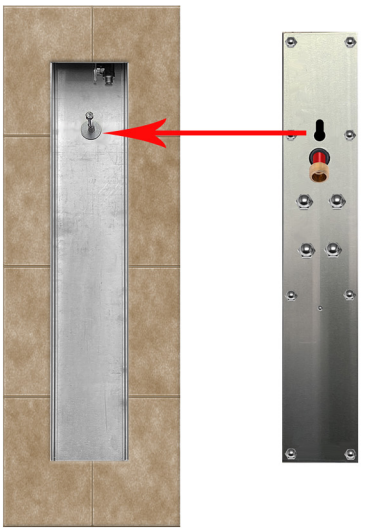


Make sure this cut out section around the mixing valve does **NOT** excede **4 1/4** inches wide.



Connecting the system to the rough-in water line

STEP 5 FINAL STEPS ATTACHING THE SYSTEM



Before connecting the system, insert it inside the rough-in to make sure that everything fits correctly. Handle with care.

As shown above by the red arrow, the back of the system has an opening which will fit on top of the extruding bolt inside the rough-in so it can be secured.

The correct motion to insert the unit will be similar to hanging it over the bolt so that when you release the unit it should gently drop into place.

IMPORTANT

Adjust the nut attached to the bolt using a wrench to make sure that the opening at the back of the unit fits securely when attached. The adjustment will depend on the thickness of your wall. Test the fitting a few times until the unit feels secure enough that it can't fall forward but it's not necessary to be very tight, using silicone in the final assembly stages will firmly secure the unit.

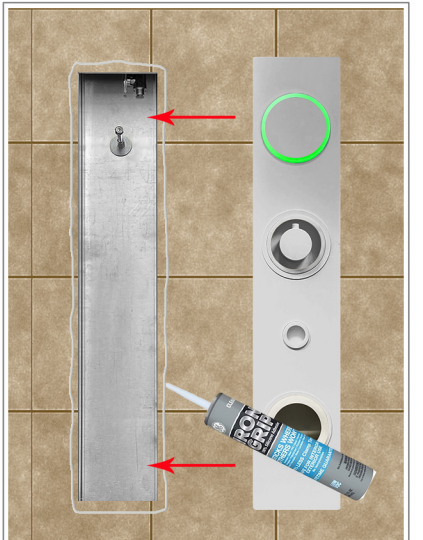
Connecting the system to the rough-in water line

FINAL STEPS ATTACHING THE SYSTEM

Attach the 20“ flex water line to the shut-off valve inside the rough-in.

Now attach the other end of the flex water line to the back of the Serene Steam unit as shown.

Tighten correctly to ensure that all water connections are water-tight.



Apply a THIN line of silicone around the rough-in & insert the unit so it can set in place.

Attaching the face plate panel over the mixing valve

Please note that this step does not require any hardware and only silicone is used. Due to modern day shower walls which may have been constructed with 3D effects, gaps may occur betwen the panel and the shower wall, Serene Steam only uses silicone here for fastening and **creating a water tight seal.**

Please take your time with this step to ensure a quality appearance as well as a water tight seal

Apply a liberal amount of silicone around the back edge of the panel

Place the panel **firmly** over the mixing valve and in line with the main unit (bottom section).

Clean the excess silicone around the panel, **be sure** there is enough silicone to ensure a water tight seal.

Attaching the green accents on to the shower controls

Please note that this step does not require any hardware and only silicone is used here for fastening and creating a water tight seal. Follow the illustrations below for both the large and the small colored accents. Colored accents may vary in color based on different finishes.

Please take your time with this step to ensure a quality appearance as well as a water tight seal

Apply a liberal amount of silicone around each control stem with no gaps visible, ensuring a watertight seal.

Place the accents **firmly** over each control stem. Do the same for both large and small accents.

Clean the excess silicone around the accents, **ensure** there is enough silicone to create a water tight seal.

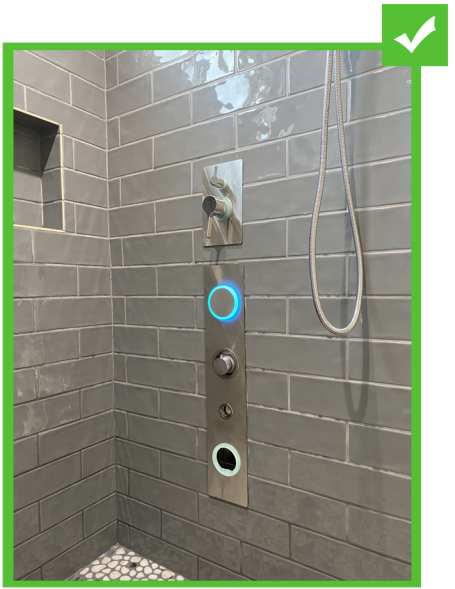
Attaching the handles on the shower controls

Final Appearance

After you have ensured that all attachments and accents are in place with a **water-tight seal**, and all excess silicone has been removed, here is the image and result that you should now have.

Installation is complete, you may now test the system

Some general notes



Allow 45 minutes for the silicone to set before testing.

Once the system is secured in place and is operational, it is normal for a “Run-Off” amount of water to flow from the back of the system into the rough-in during use. The “Run-Off is **NOT** visible during use.

It is **normal** to notice a small amount of water droplets around the steam/hot vapor exit flow during use.

Set your water heater to 135 - 140 degrees Fahrenheit for best results

Serene Steam is in compliance with IAPMO - IGC- 154-2019 Standard.

Sample Installation

STEAM | AROMATHERAPY | CHROMATHERAPY

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