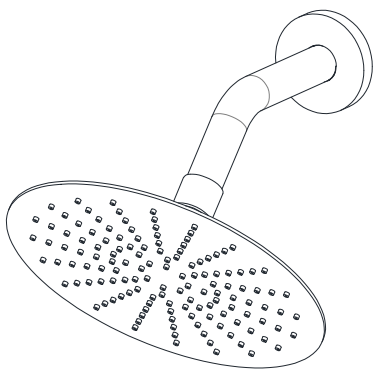
SUMERAIN®

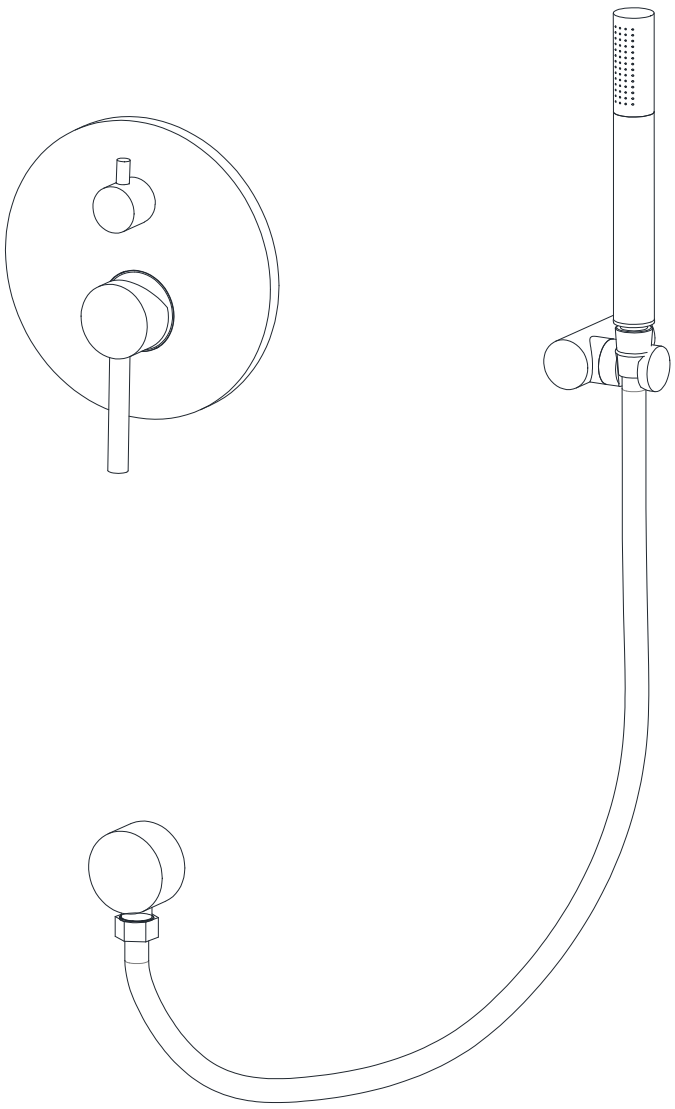
MODEL: S3223XI

Version: 1.3

INSTALLATION GUIDE







SHOWER SYSTEM

MODEL	FINISH
S3223CI	CHROME
S3223NI	BRUSHED NICKEL
S3223DI	MATTE BLACK
S3223BGI	BRUSHED GOLD

HOT LINE: +1-866-203-0866

THANK YOU

Dear Valued Customer,

Thank you for choosing SUMERAIN products. We sincerely appreciate your recent purchase and hope you are fully satisfied with your new product. At SUMERAIN, all our products are meticulously designed, engineered, and rigorously tested to ensure long-lasting, trouble-free performance under normal conditions.

Installation is simple with basic tools and our step-by-step illustrated guide. We welcome your questions or feedback and look forward to assisting you in the future. For any inquiries, please contact us at +1-866-203-0866 or email us at supports@sumerain.com.

Thank you again for selecting SUMERAIN. We remain dedicated to providing exceptional customer service.

Sincerely,

SUMERAIN Customer Service Department.

BEFORE PROCEEDING

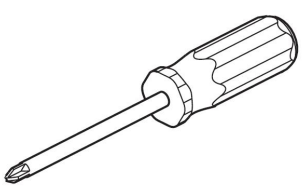
1. Unpack the product and ensure all components are included in the package. Keep the product in its original packaging until you are ready to install it to prevent damage.

2. Locate the water supply inlets and turn off the water supply valves, which are typically near the water meter or under the sink. If replacing an existing unit, remove the old one and thoroughly clean the mounting surface.

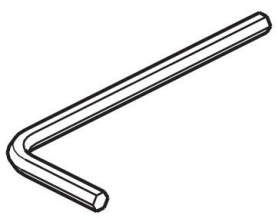
3. Follow all applicable local and state plumbing and building codes to ensure proper installation.

4. If you are uncertain about the installation process, we strongly recommend consulting a professional to avoid potential issues.

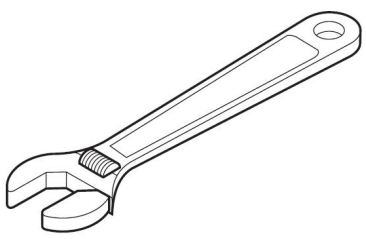
TOOLS RECOMMENDED



Philips Screwdriver



Allen Wrench



Adjustable Wrench



Channel Locks



Teflon Tape

LIMITED LIFETIME CONSUMER WARRANTY

VERSION: 140320.15.3

This product is manufactured and rigorously tested to meet the highest quality standards by HONGKONG SUMERAIN SANITARY INDUSTRY Co., Limited ("SUMERAIN"). This warranty is exclusively applicable to SUMERAIN products purchased by consumers in the United States on or after January 1, 2020. If a faucet develops leaks or drips during normal usage, SUMERAIN will provide the required faucet cartridge to the purchaser, free of charge, to restore the faucet to proper working condition. For any defects identified under normal residential use, SUMERAIN may, at its discretion, repair the product, supply replacement parts or products, or make necessary adjustments to ensure optimal functionality.

WHO IS COVERED BY THE WARRANTY

This warranty exclusively covers the original consumer purchaser, including those who purchased through online retail platforms. Customers specifically covered under the "Online Consumer Limited Lifetime Warranty & Return Policy" are also included. Please note that this warranty is non-transferable and cannot be assigned to any other individual or entity.

WHAT IS COVERED BY THE WARRANTY

This warranty applies exclusively to SUMERAIN-manufactured products purchased by the consumer. SUMERAIN warrants against defects in materials or workmanship under normal installation, use, service, and maintenance. If the product or its components are found to be defective due to faulty materials or workmanship, SUMERAIN will, at its discretion, provide free replacement parts or replace the entire product.

FINISH WARRANTY

Customers are responsible for inspecting the product for any material or finish defects within three days of receipt. Please note that surface finish defects are not covered under warranty once the fixture has been installed.

ELECTRONIC FAUCETS WARRANTY

SUMERAIN warrants its LED components, including electronic faucets, valves, controllers, and battery-powered devices, against material and manufacturing defects for one year from the date of purchase under normal use. The water flow impeller power device (LED power generation unit) is covered against manufacturing defects for three months from the date of purchase.

LENGTH OF WARRANTY

As stated in the following, any replacement or repaired parts of the product will be covered for the duration of this warranty, which SUMERAIN provides for a period of 1 year from the original date of purchase.

CIRCUMSTANCES THAT SUMERAIN WILL NOT WARRANT AND PAY FOR:

A. Conditions, malfunctions, or damage that are not caused by defects in material or workmanship are not covered under the warranty.

B. Conditions, malfunctions, or damage resulting from normal wear and tear, improper installation, improper maintenance, misuse, abuse, negligence, accidents, alterations, or the use of abrasive or caustic cleaning agents, “no-rinse” cleaning products, or operation contrary to the provided instructions, including issues caused by home conditions such as excessive water pressure or corrosion, are excluded from the warranty.

C. Labor costs or other expenses related to the disconnection, deinstallation, or return of the product for warranty service, as well as the installation or reinstallation of the product, are not covered under the warranty.

D. Accessories, connected materials, and related products (including but not limited to hand shower flexible hoses, spray flexible hoses, hand showers, and showerheads) that are not manufactured by SUMERAIN are excluded from warranty coverage.

TO OBTAIN WARRANTY PARTS OR INFORMATION

To obtain warranty parts or information, please follow these steps:

Contact your SUMERAIN retailer, call the technical service line at +1-866-203-0866, or email supports@sumerain.com.

When applying for warranty service, provide the following information:

a. A sales receipt or proof of purchase date and platform.

b. A detailed description of the issue.

c. Ship the product or defective parts to the designated SUMERAIN warehouse in the United States with prepaid postage. Ensure the items are carefully packaged and insured. Once the warranty service is completed, repaired or replaced products or parts will be returned to you with prepaid postage.

If you have further questions or require additional assistance, please contact SUMERAIN using the information provided above.

EXCLUSIONS & LIMITATIONS

Under the terms of this warranty, repair, replacement, or, in limited cases, a refund of the purchase price is the sole remedy available to the purchaser. SUMERAIN assumes no obligations or liabilities and does not authorize any individual to create obligations or liabilities related to this product. SUMERAIN is not liable for any incidental, special, or consequential damages resulting from a breach of this warranty or any implied warranties, including merchantability. Please note that some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty provides specific legal rights, and you may also have additional rights that vary by state. Before filing any legal action under the Magnuson-Moss Warranty Act, you may be required to provide SUMERAIN with a reasonable opportunity to address or resolve any non-compliance.

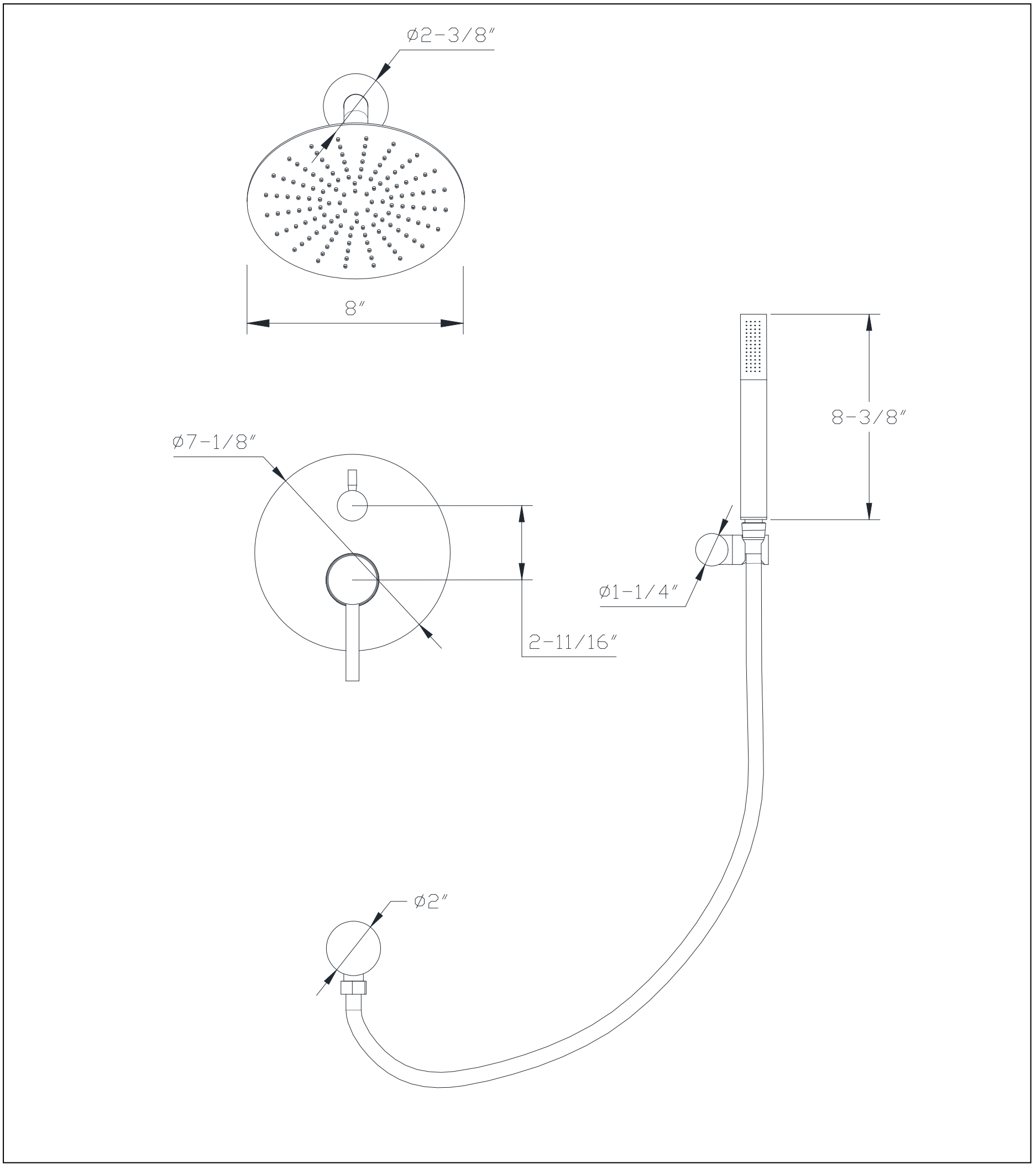
PRODUCT INSTRUCTIONS & QUESTIONS

Prior to installation, we strongly recommend thoroughly inspecting your SUMERAIN product for any potential damage or visible defects caused during shipping. Carefully review the included instructions for proper installation, maintenance, and care procedures. If you have any questions regarding the use, installation, performance, or warranty of your SUMERAIN product, please contact us at +1-866-203-0866 or email supports@sumerain.com. Our customer support team is available to assist with any concerns or inquiries you may have.

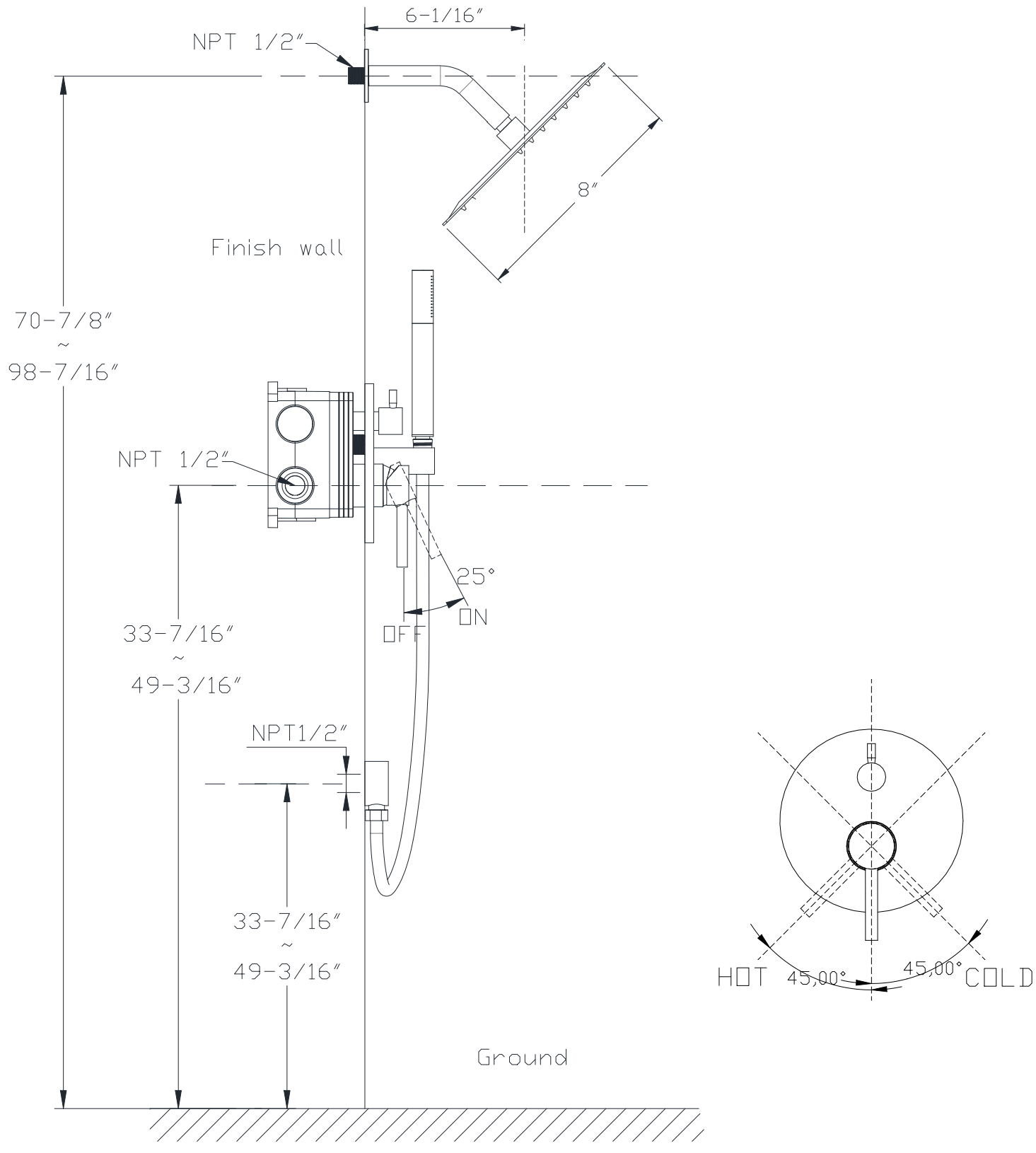
FUNCTIONS AND SPECIFICATION

Faucet Type	Shower System
Feature	Concealed Shower Faucet
Theme	Modern, Contemporary
Mounting Type	Wall Mount
Number Of Handles	One
Handles Material	Metal
Handle Style	Lever
Shower Arm Reach	6-1/6 Inch
Showerhead Width	8 Inch
Showerhead Length	8 Inch
Valve Type	Φ 40 Ceramic Cartridge
Faucet Body Material	Brass
Escutcheon Material	Brass
Diverter Included	Yes
Diverter location	Rough-In Valve
Showerhead Type	Rain Shower
Showerhead Shape	Ultra-Thin Round
Showerhead Function	Single Function
Showerhead Material	SUS304 Stainless Steel
Showerhead Flow Rate	1.8 GPM @60PSI
Hand Shower Flow Rate	1.8 GPM @60PSI
Elbow Material	Brass
Hand Shower Holder Material	Brass
Hand Shower Material	Brass
Hand Shower Height	8 Inch
Hand Shower Width	1-3/8 Inch
Net Weight	6.92 lbs
Gross Weight	8.40 lbs
Packing Box [L x W x H]	11-7/32Inch x 10-13/16Inch x 7-7/8Inch

DEMENSION



FRONT VIEW OF SHOWER



SIDE VIEW OF SHOWER

INSTALLATION STEPS

1. BEFORE PROCEEDING

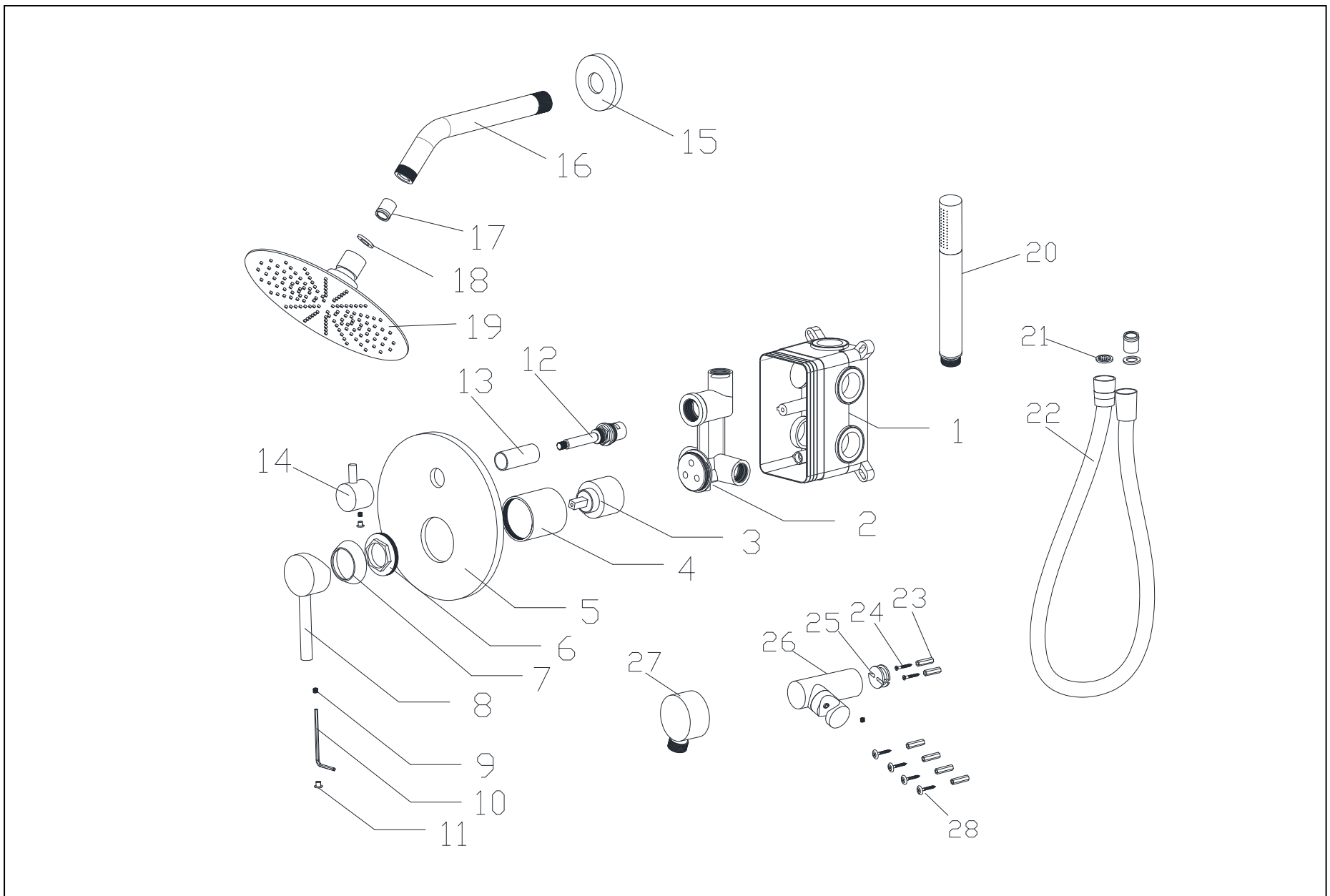
WARNING: Before beginning any installation or operation, read all instructions carefully. If you are unsure about installing this product, consult a licensed professional. This product must be installed in compliance with all applicable local and state plumbing and building codes. Professional assistance is strongly recommended**.**

2. SHUT OFF WATER SUPPLY

Locate the water supply inlets and turn off the corresponding water supply valves, typically located under the sink or near the water meter. If replacing an existing unit, remove the old unit and thoroughly clean the mounting surface to ensure proper installation.

3. CHECK THE COMPONENTS OF THE BOX

Upon opening the box, verify that all the listed components are included.



NO.	ITEM NAME	MATERIAL	QTY	PART NO.	NO.	ITEM NAME	MATERIAL	QTY	PART NO.
1	Concealed Box	ABS	1	PSA00011XX	15	Shower Arm Flange	SUS304	1	PFC00001XX
2	Rough-In Valve	HPB59-1	1	PVB32230PB	16	Shower Arm	SUS304	1	PPI32181XX
3	Φ40 Cartridge	ASSEMBLE	1	PCT40000XX	17	Check Valve	ASSEMBLE	2	PAE00044XX
4	Sleeve	HPB59-1	1	PSL00002XX	18	Rubber Washer	NBR	2	PRW19020XX
5	Escutcheon	SUS304	1	PCP32300XX	19	Shower Head	ASSEMBLE	1	PTR00002XX
6	Bonnet Nut	HPB59-1	1	PSC42125PB	20	Handheld Shower	ASSEMBLE	1	PHS32230XX
7	Flange	HPB59-1	1	PFC42125XX	21	Flow Restrictor	ASSEMBLE	1	PAE00035XX
8	Handle(lever)	Zn Alloy No.3	1	PHD00003XX	22	Shower Hose	ASSEMBLE	1	PFH00015XX
9	Set Screw	SUS304	3	PSC05050XX	23	Anchor	ABS	6	PSA00010XX
10	Allen Wrench 2.5mm	Fe45#	1	PSA00003XX	24	Mounting Screw	SUS304	2	PSC00004XX
11	Screw Cover	ABS	2	PSA00002XX	25	Shower Holder Dock	HPB59-1	1	PEC32230XX
12	Diverter Cartridge	ASSEMBLE	1	PCT00001XX	26	Hand Shower Holder	ASSEMBLE	1	PHH32231XX
13	Diverter Sleeve	HPB59-1	1	PSL32181XX	27	Wall Supply Elbow	ASSEMBLE	1	PHH32232XX
14	Diverter Knob	Zn Alloy No.3	1	PHD00004XX	28	Mounting Screw	SUS304	4	PSC00002XX

If any of these items are missing, please contact SUMERAIN consumer service by email to: supports@sumerain.com.

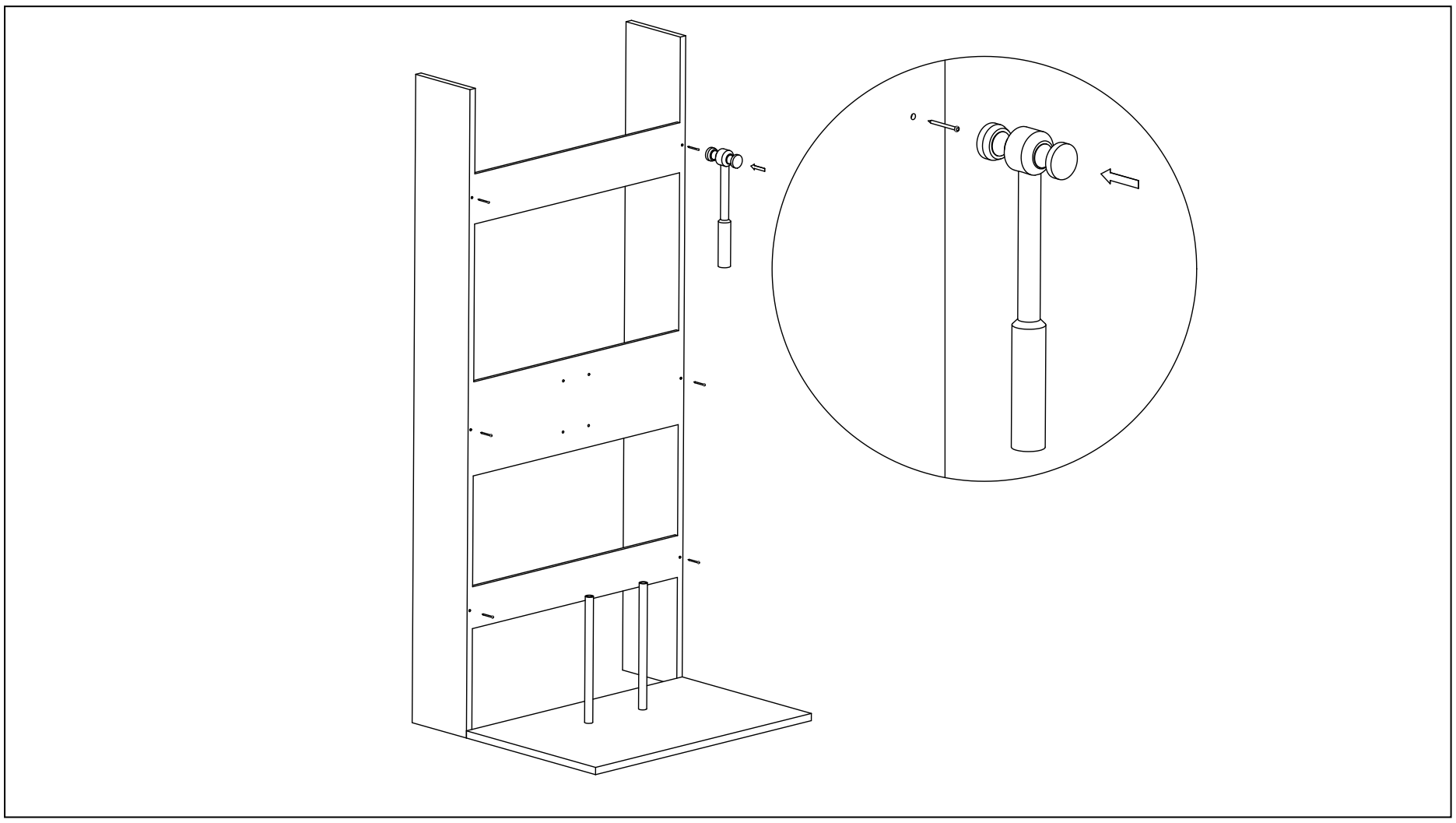
4. PLANNING AND INSTALLATION INSTRUCTIONS

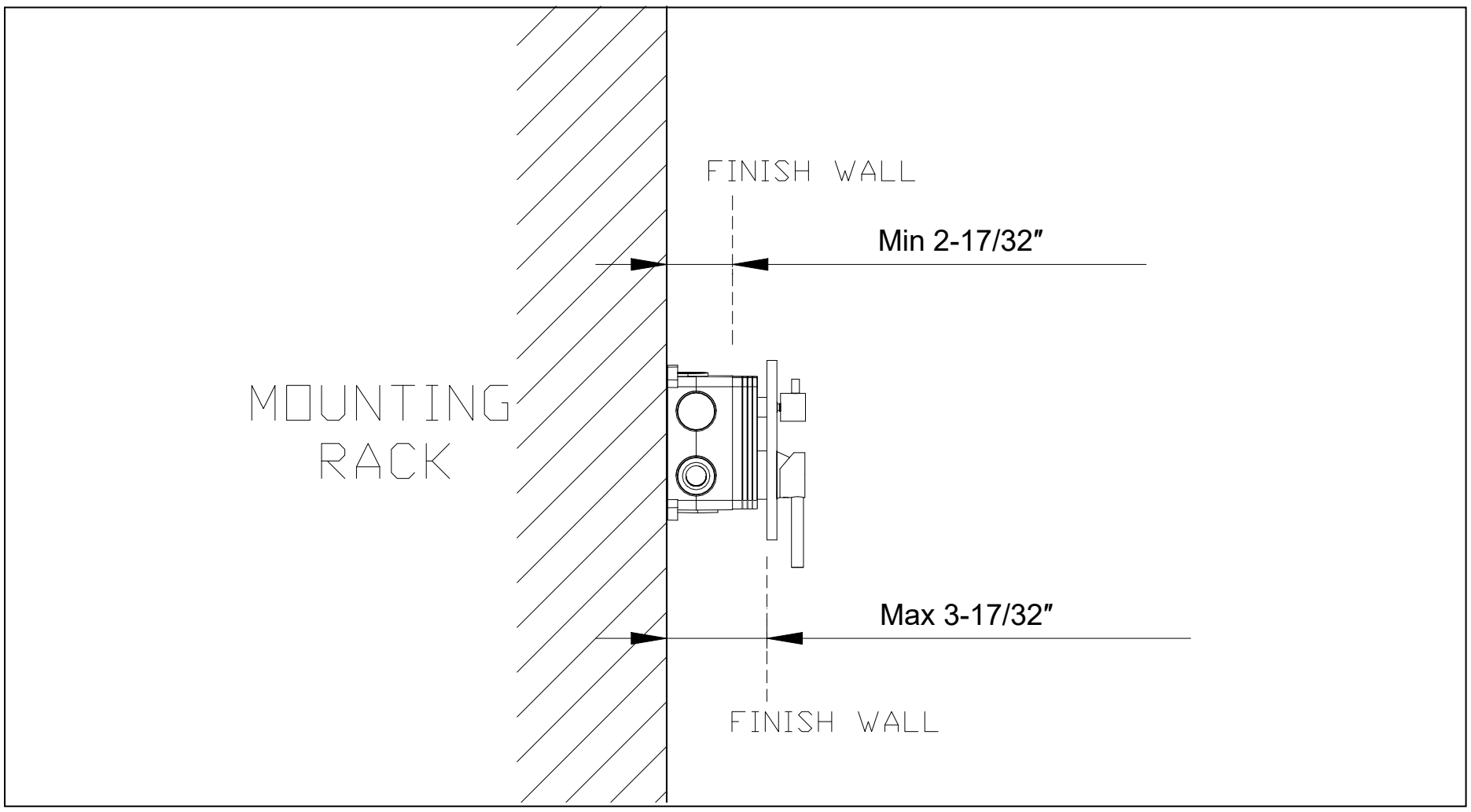
Attentions: The shower has to be installed, rinsed and checked in compliance with the applicable regulations in order to guarantee proper shower function!

The dimensions of the shower setup must be determined individually.
Maximum operating pressure at the control valve: 145 PSI. Recommended operating pressure: 43.5 PSI.
Maximum hot water temperature: 140°F (60°C).

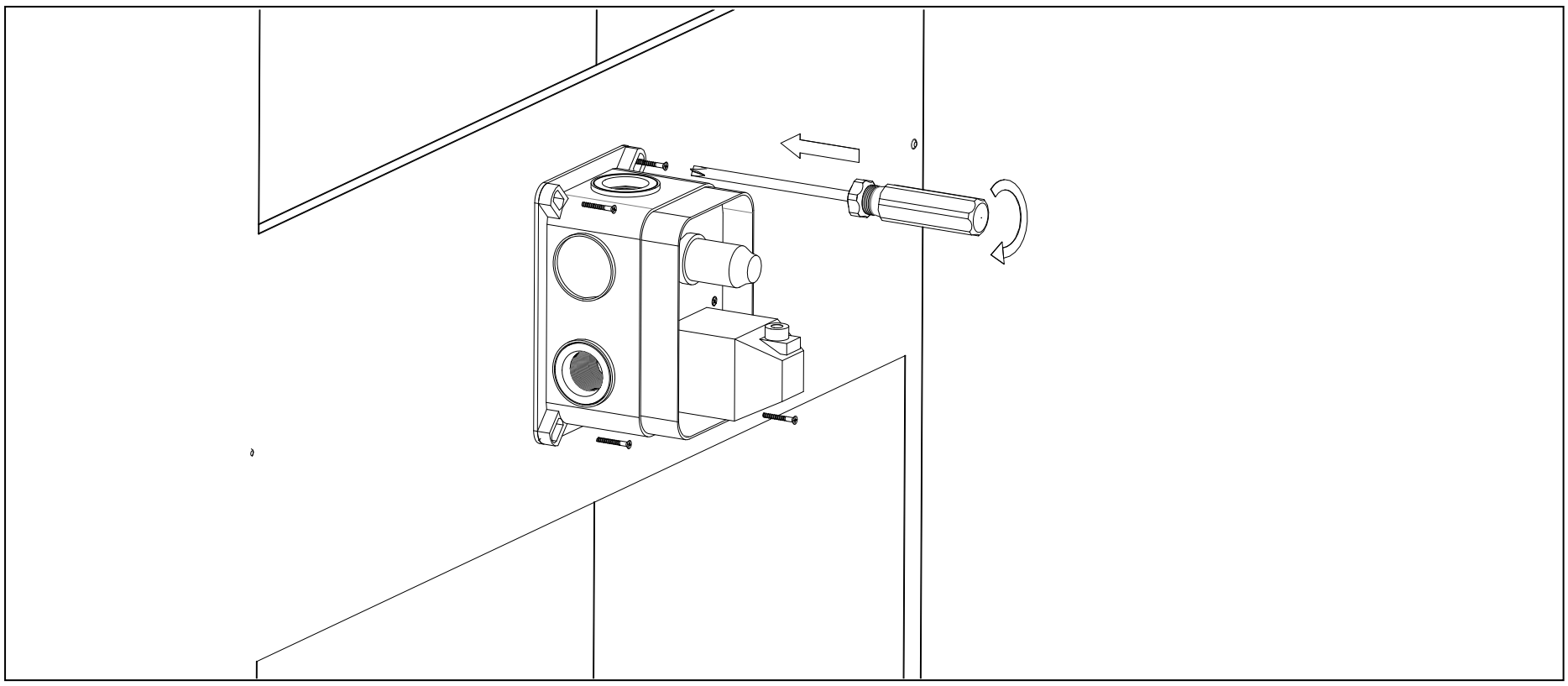
5. CONCEALED BOX ASSEMBLY INSTALLATION

5.1 Construct a mounting rack (typically using wood) to prepare for the installation of the concealed box assembly. The face of the mounting board must be positioned between a minimum of 2-17/32" and a maximum of 3-17/32" behind the finished wall surface.



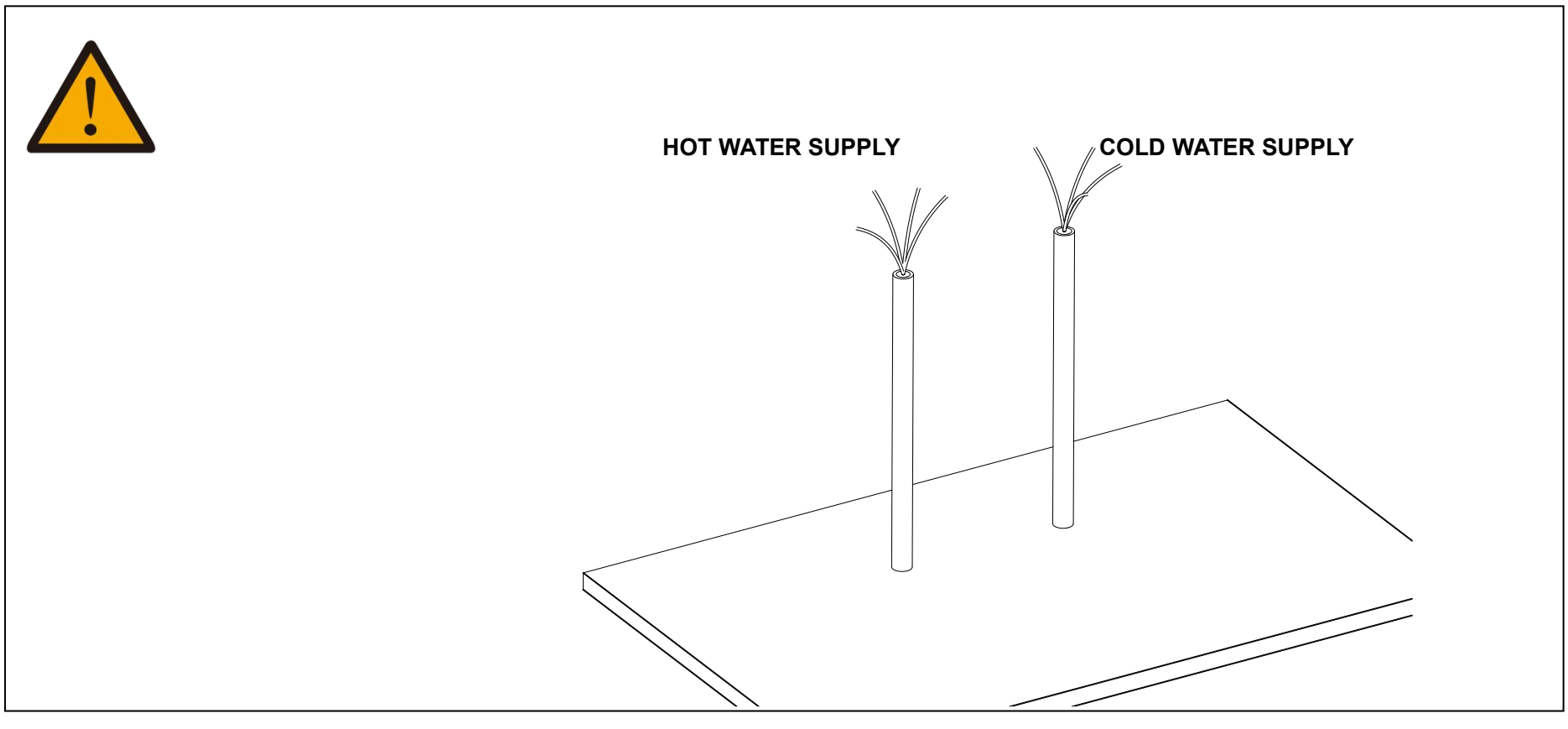


5.2 Attach the concealed box assembly to the mounting rack using screws and anchors.

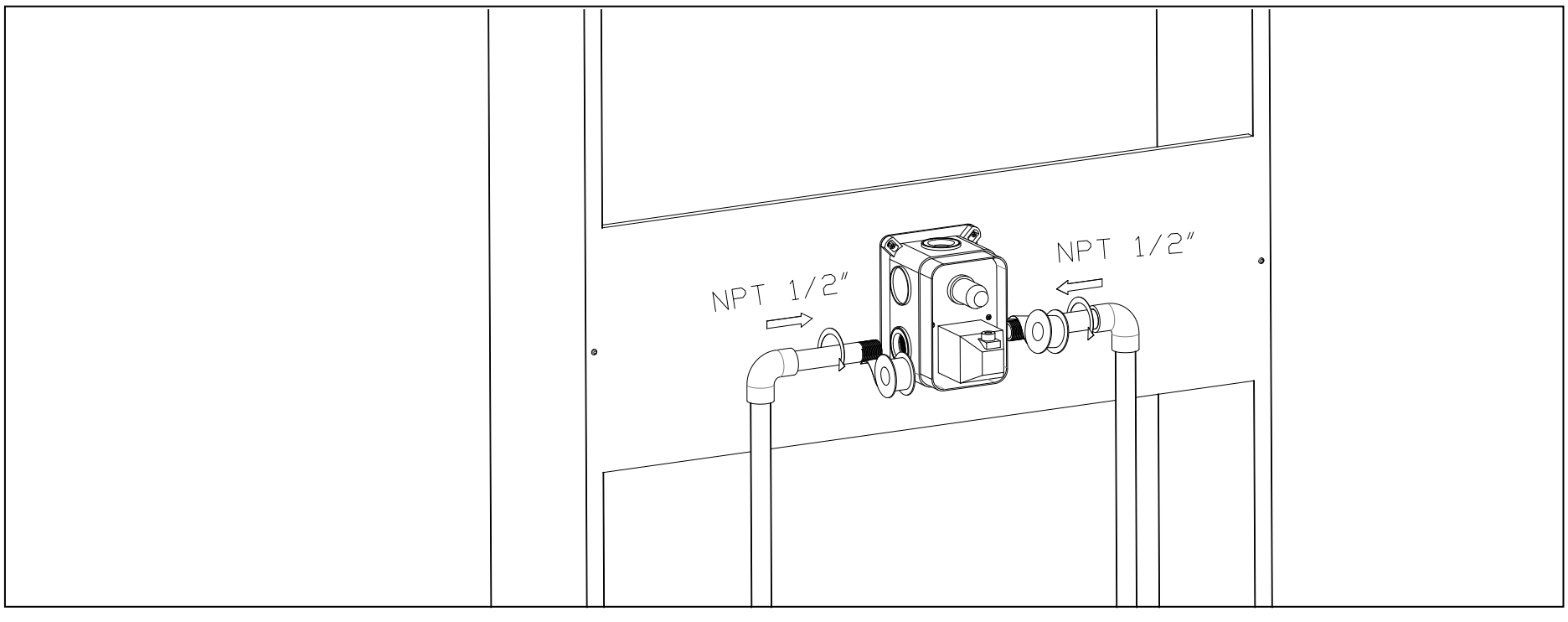


6. VALVE TRIM INSTALLATION

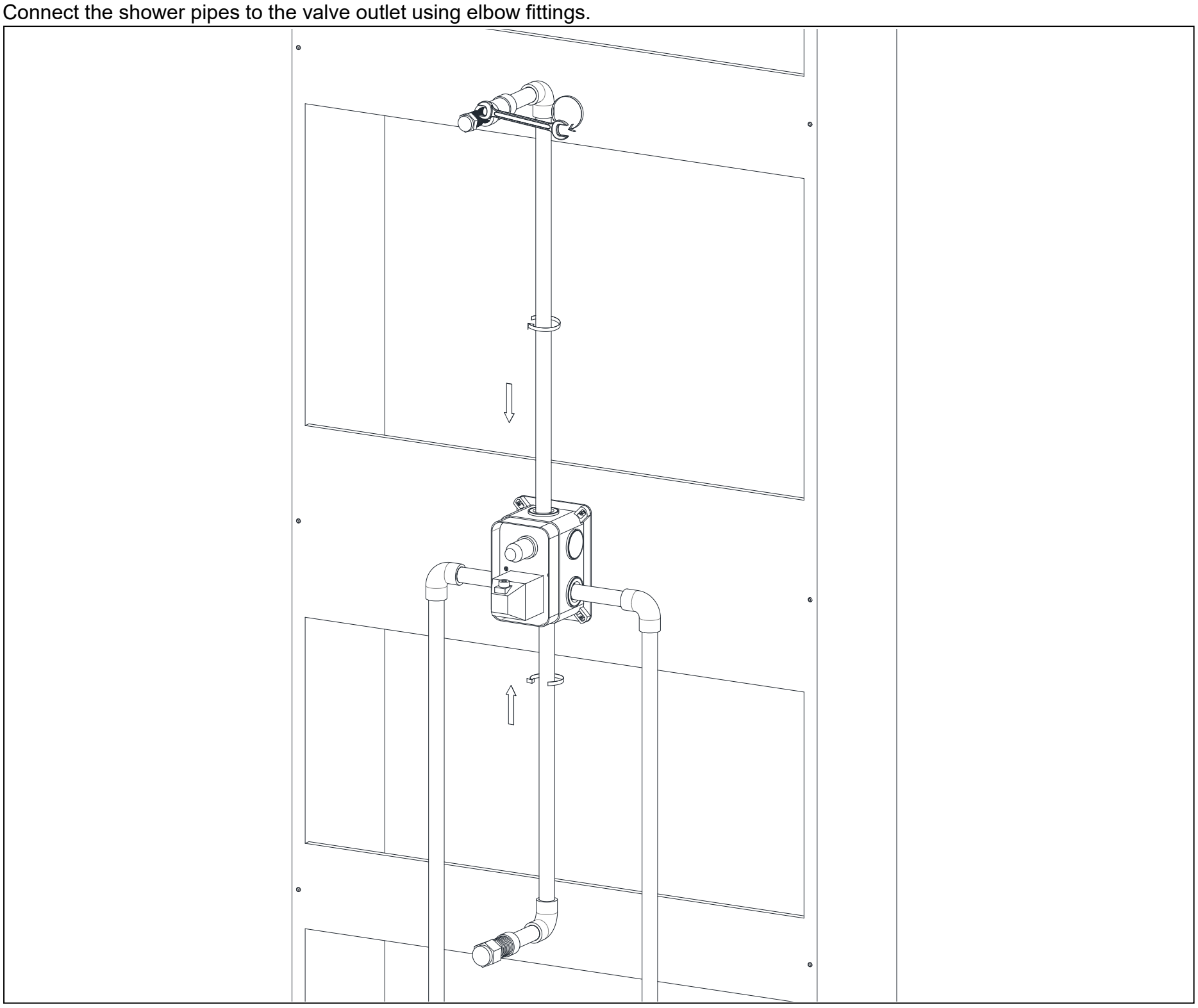
6.1 Turn on your shut-off valve for cleaning the hot and cold water supply pipe before connect to the valve body, allow the water flush 3~5 minutes to flush out dirt and debris. Shut off the water supply again after finish.



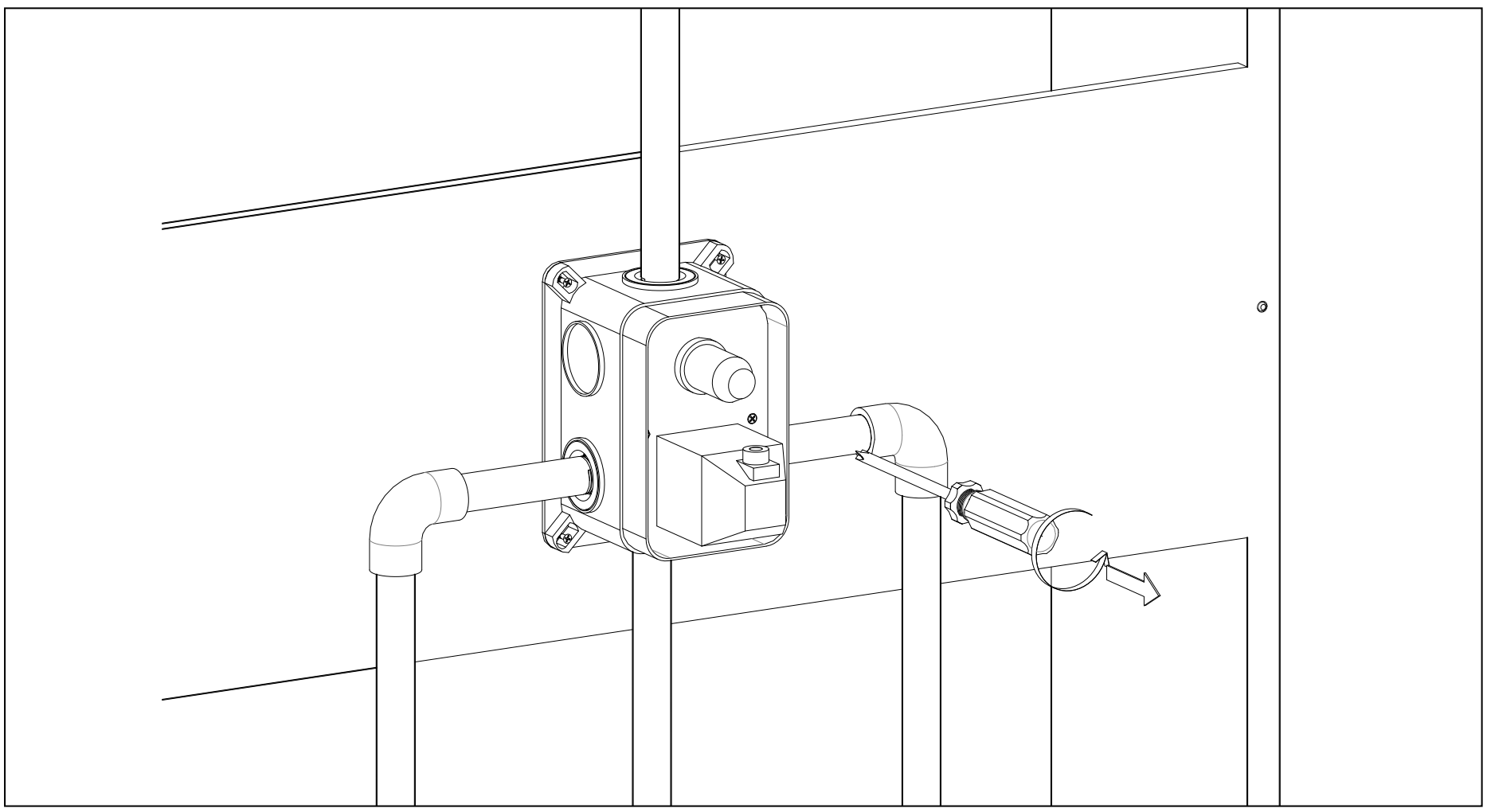
6.2 Wrap Teflon tape around the threads of the pipe inlet, then connect it to the valve inlet using an elbow fitting [hot on the left, cold on the right]. Mixer valve connection thread for hot and cold water inlets: NPT 1/2”.



Connect the shower pipes to the valve outlet using elbow fittings.



6.3 Remove the plaster guard covers by Phillips screwdriver.



6.4 Plumbing Pressure Testing and Leak Testing.
(a.) Water Pressure Testing Standards
Test Pressure:

- The test pressure shall be 1.5 times the working pressure of the piping system, but not less than 60 PSI (pounds per square inch).
- If the design working pressure of the piping system is less than 60 PSI, the test pressure shall be 60 PSI.
- Recommended test pressure: 100 PSI to 120 PSI (approximately 6.9 to 8.2 bar).

Test Duration:

- The test duration is typically 15 minutes.
- During the test, the pressure should remain stable with no significant drop.

Testing Method:

1. Seal the piping system, ensuring all openings (e.g., faucets, valves) are closed.
2. Use a manual pump or pressure testing equipment to pressurize the system to the specified test pressure.
3. Observe the pressure gauge to ensure the pressure remains stable during the test.
4. Inspect all connections, joints, and faucets for any signs of leakage.

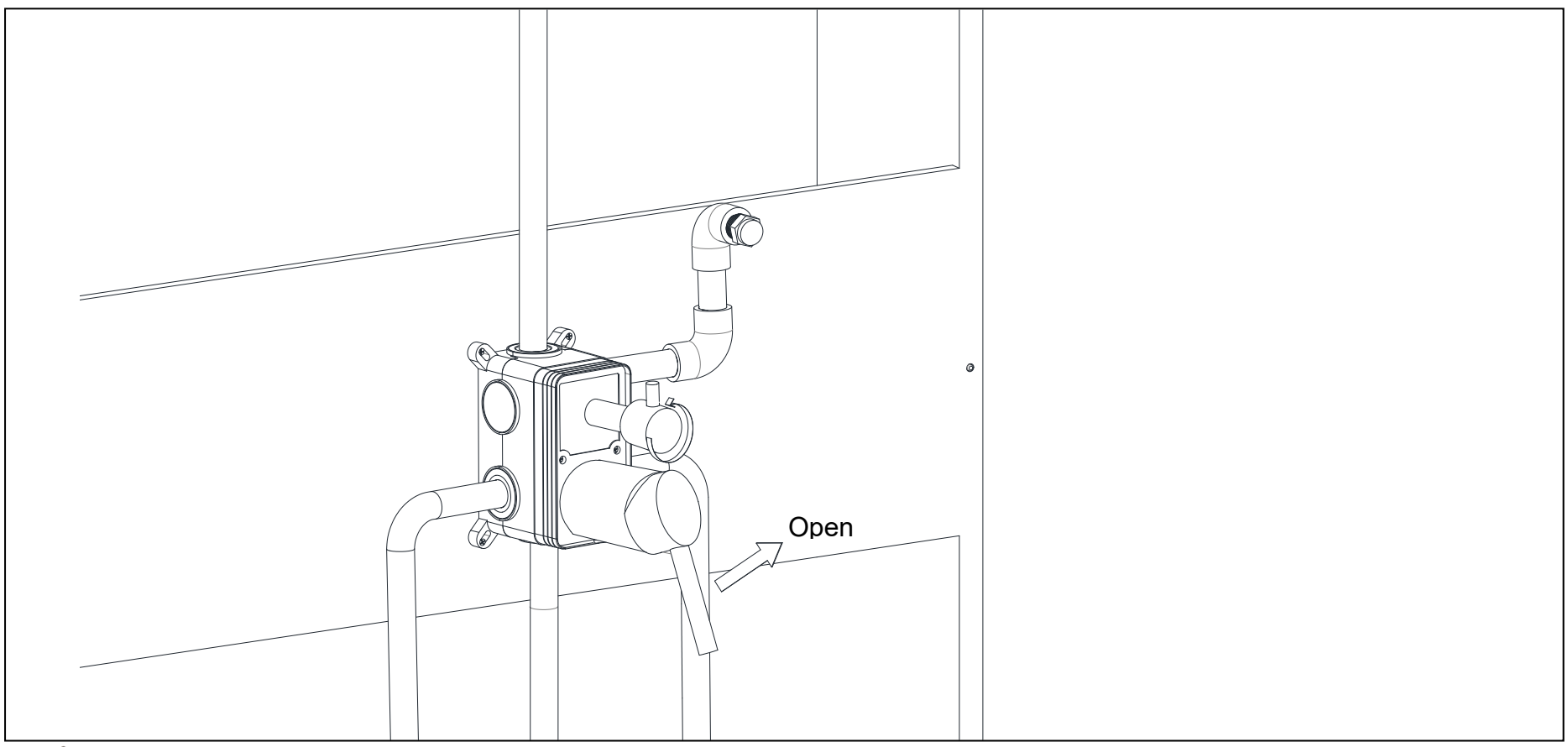
Pass Criteria:

- If the pressure remains stable with no significant drop and no leakage is observed during the test, the piping system passes the test.
- If the pressure drops or leakage is detected, repair the issue and retest.

Precautions:

- Safety: The test pressure should not exceed the rated pressure of the pipes and fittings to avoid damage.
- Record: Record the test pressure, duration, and results for future inspection or maintenance purposes.

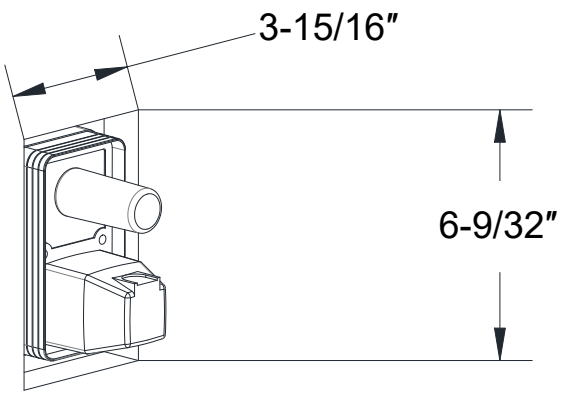
(b.) Leak Testing: After completing the plumbing pressure test, turn on the hot and cold water supply again and check all connections for leaks. Please shut off your hot and cold water supply again if no leaking and reinstall the plaster guard covers.



Precautions:

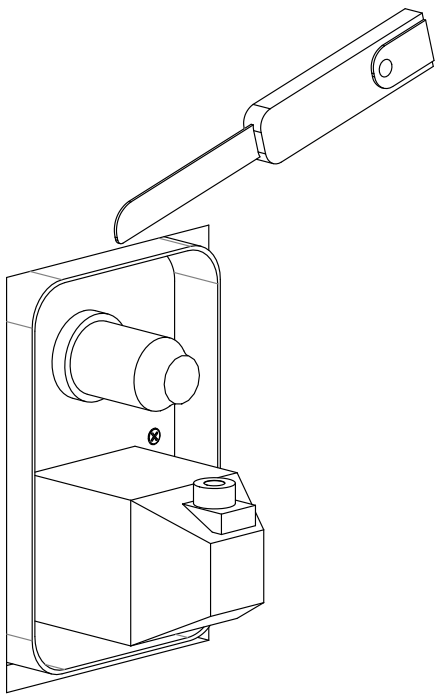
- Record: Record the test pressure, duration, and results for future inspection or maintenance purposes.

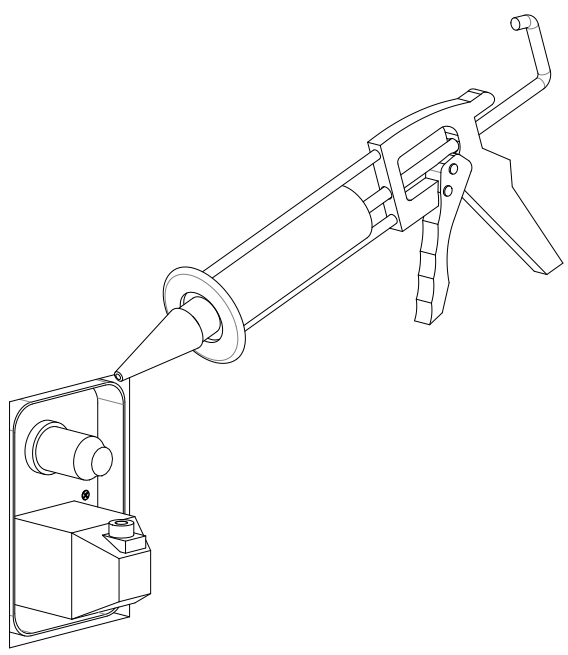
6.5 Complete the finished wall and drill the mounting holes precisely based on the positions of the concealed box assembly for proper installation and future maintenance if needed.



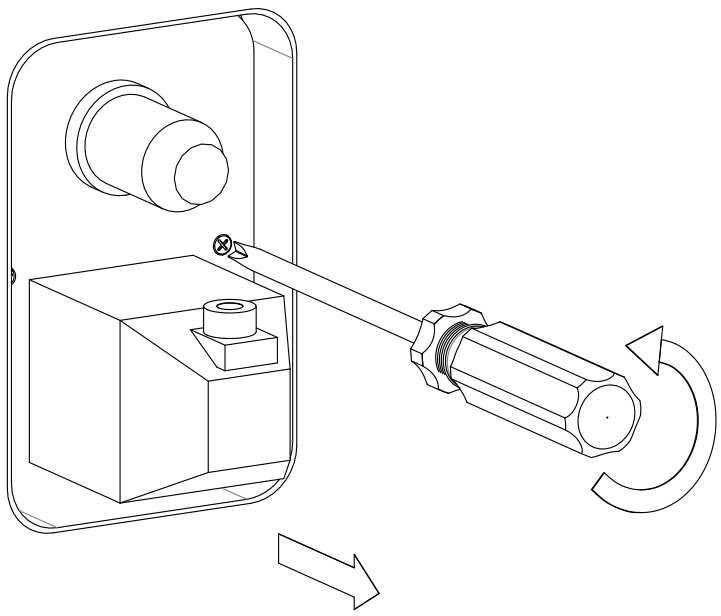
6.6 Trim the excess concealed box flush with the finished wall surface and seal the surrounding area with waterproof sealant.

WARNING: Failure to properly seal the wall may result in water damage.

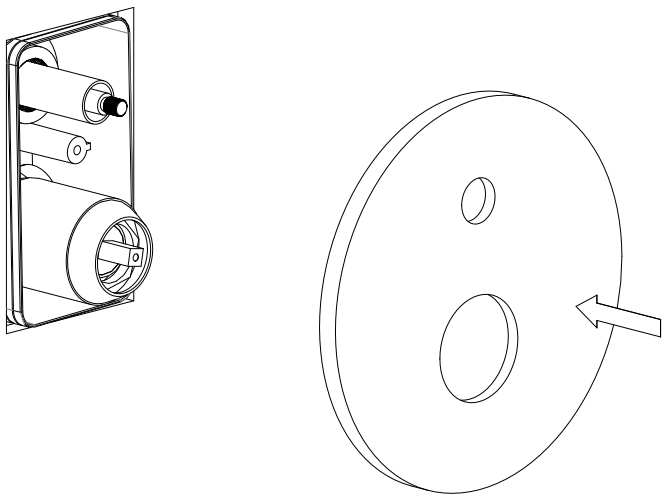




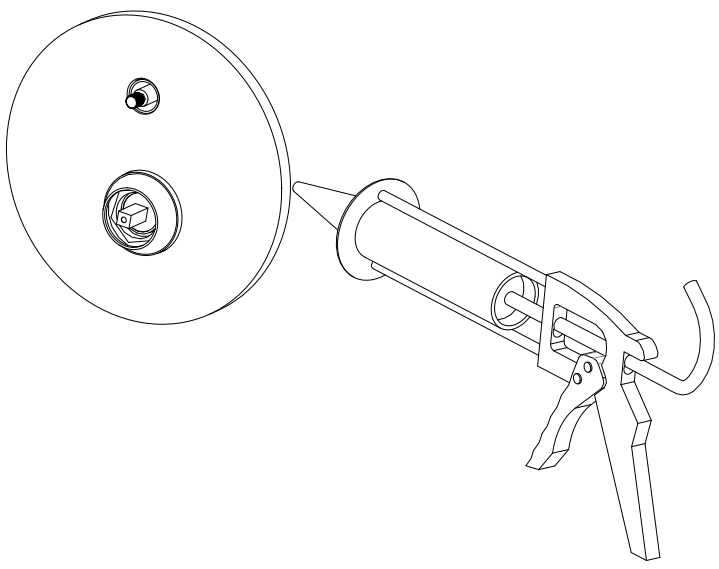
6.7 Remove the plaster guard covers using a Phillips screwdriver.



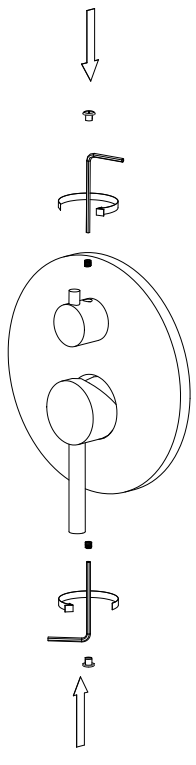
6.8 Attach the escutcheon over the valve body.



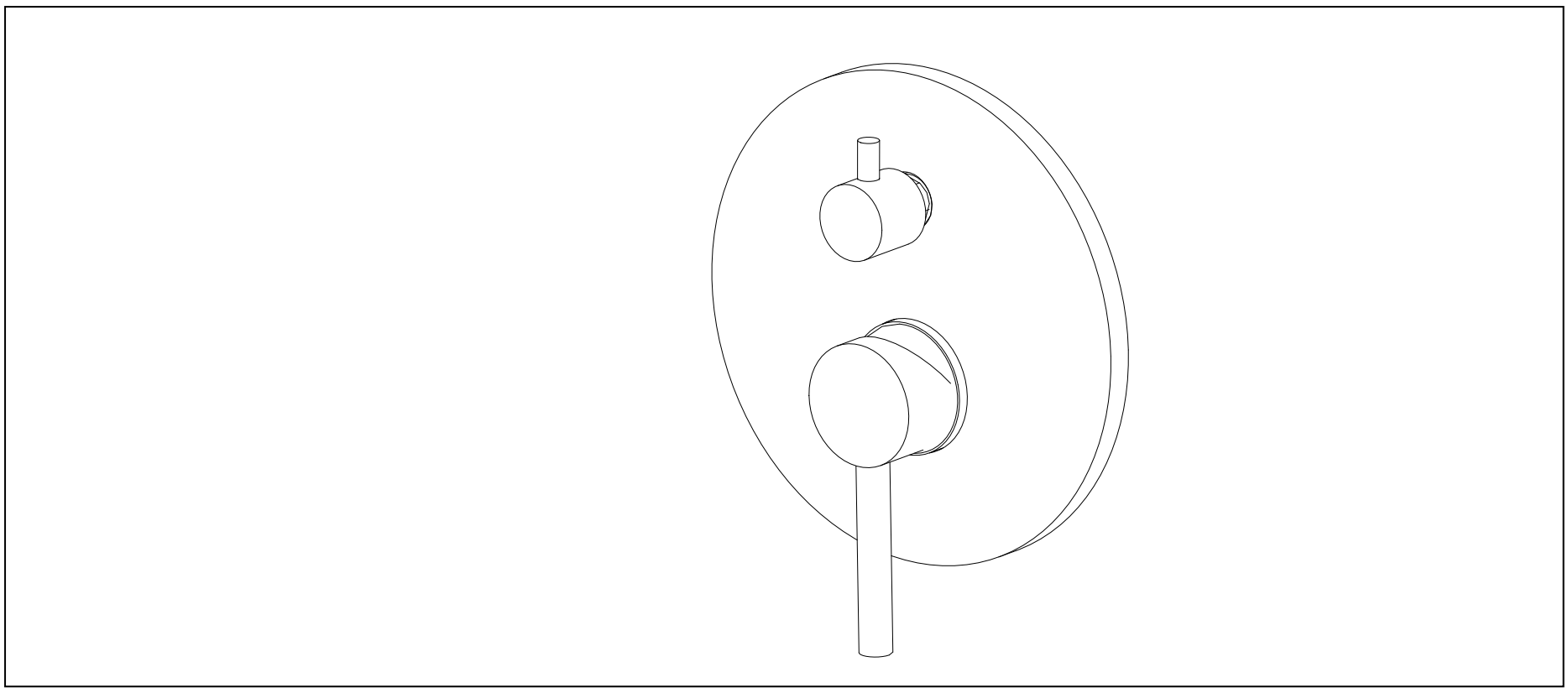
6.9 Apply waterproof sealant around the escutcheon to seal the wall.



6.10 Attach handle onto the valve stem and tighten set screws by the Allen wrench that is provided. Please don’t over tighten.
Done the same procedure on diverter knob. Finally press-in the screw covers.

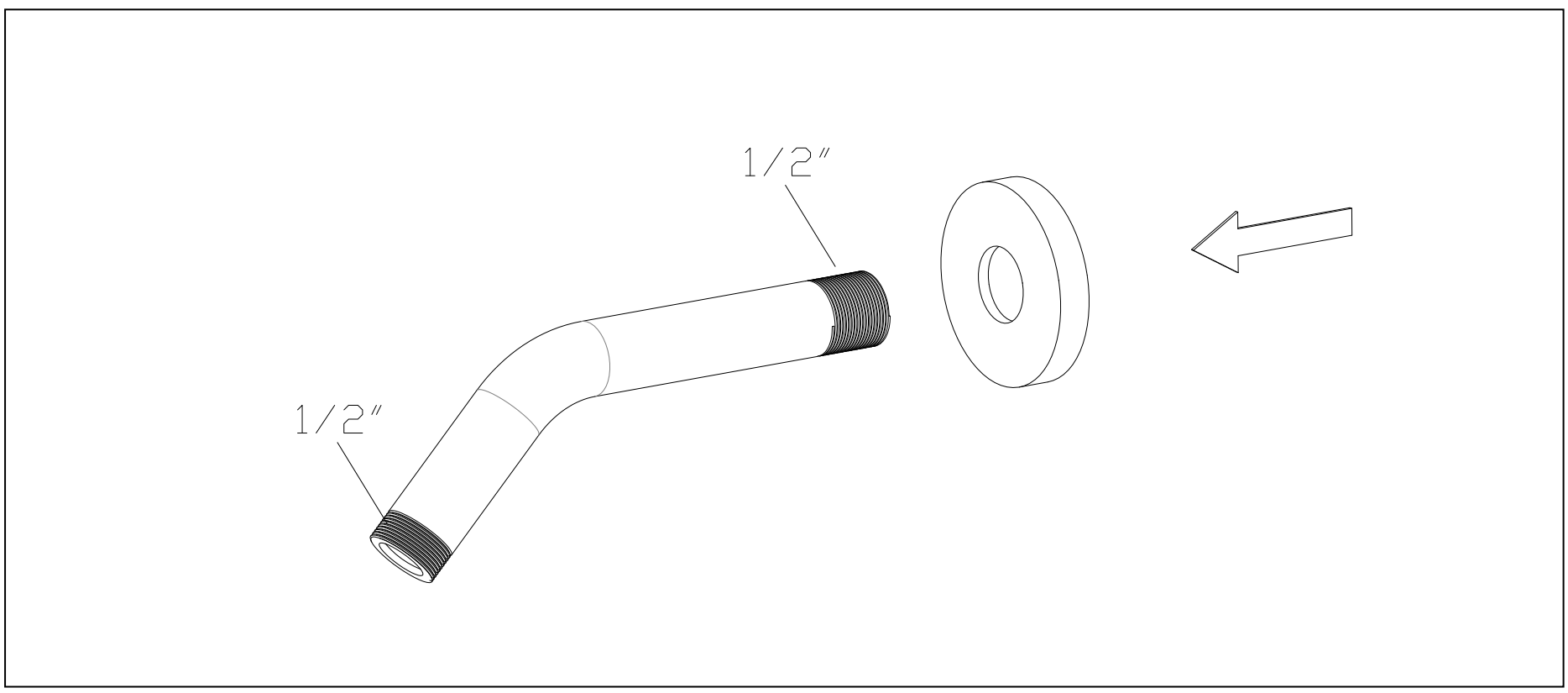


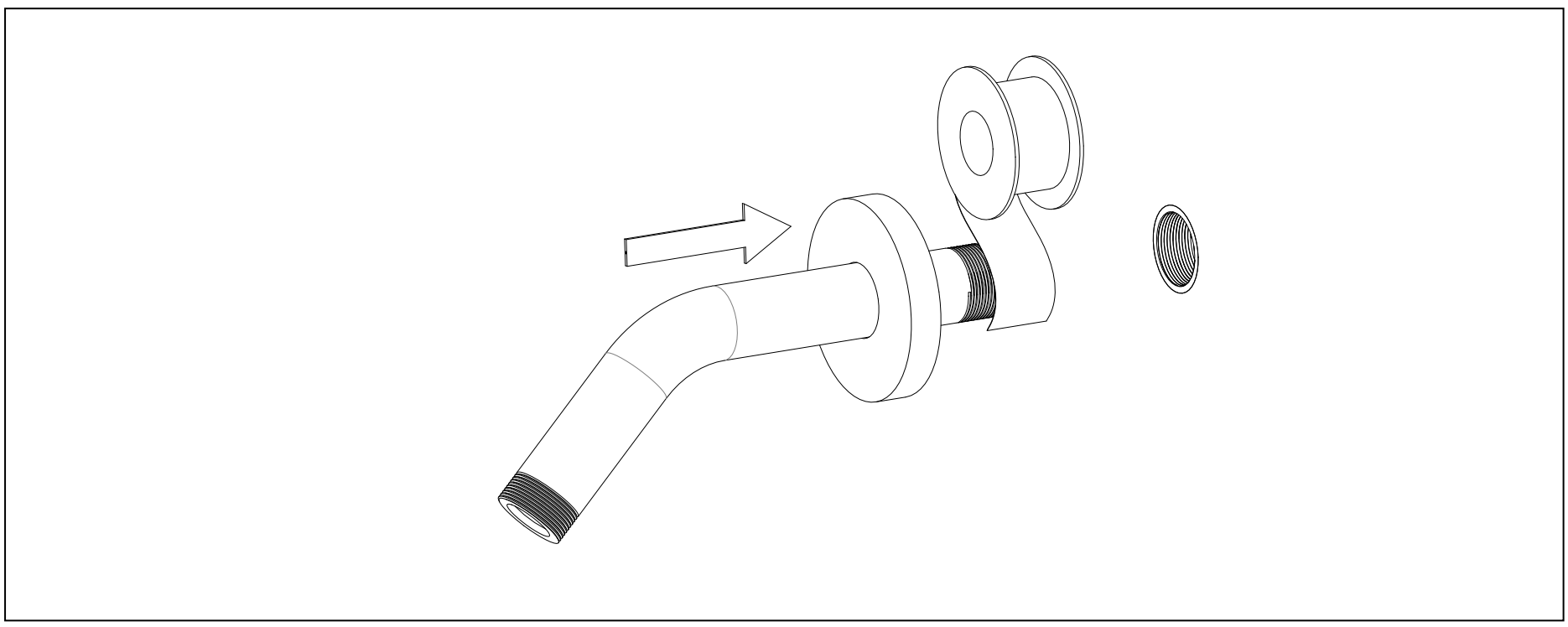
6.11 The valve trim installation is complete.



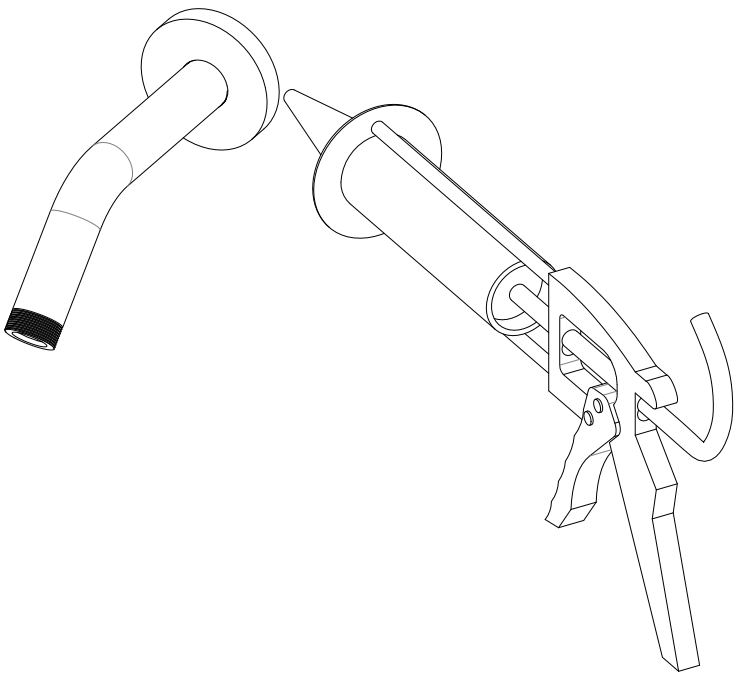
7. SHOWERHEAD INSTALLATION

7.1 Slide the shower arm escutcheon onto the shower arm, then wrap Teflon tape around the threads of the shower arm. Secure the shower arm into the pipe elbow inside the wall by rotating it clockwise.
The standard thread size for the shower arm inlet is 1/2" NPT.



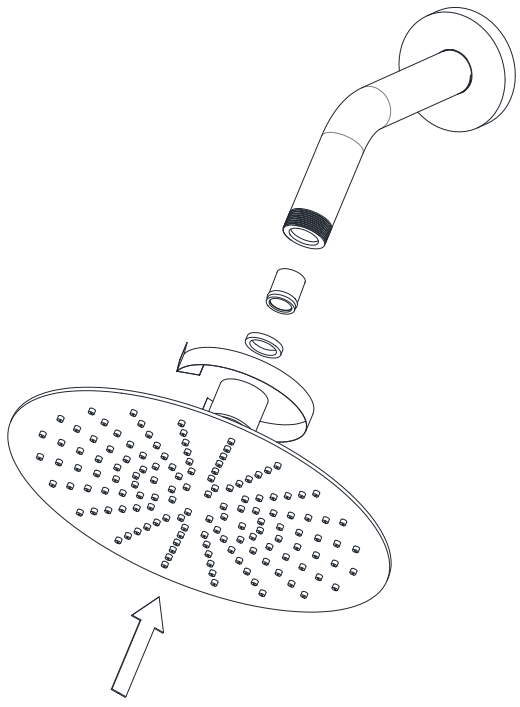


7.2 Seal the wall around the shower arm escutcheon with waterproof sealant.



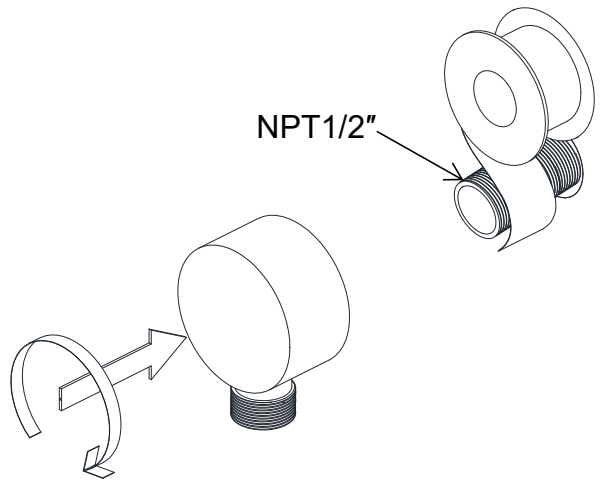
7.3 Insert the screen washer into the showerhead connector and the check valve into the shower arm. Secure the showerhead to the shower arm by hand-tightening it clockwise.

Failure to install the screen washer and check valve may result in improper shower function or damage.

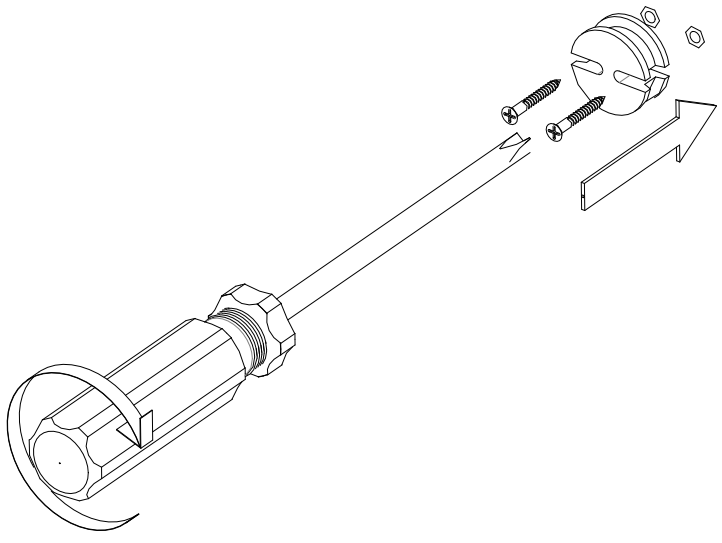


8. HAND SHOWER INSTALLATION

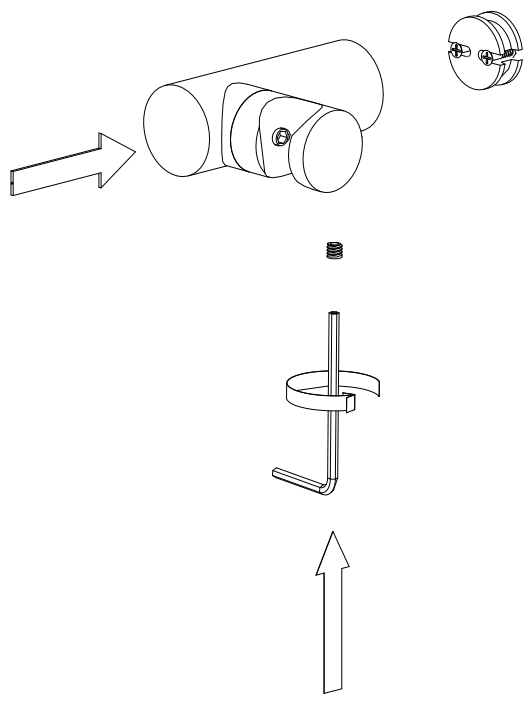
8.1 Wrap Teflon tape around the threads of the wall supply elbow, then securely thread it into the pipe elbow inside the wall.



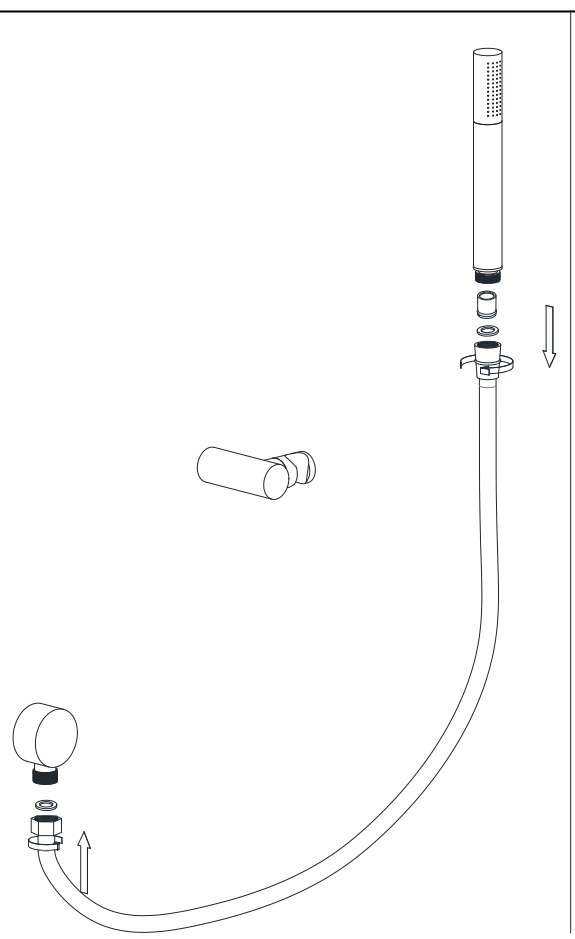
8.2 Attach the mounting base to the wall and secure it with the provided mounting screws.

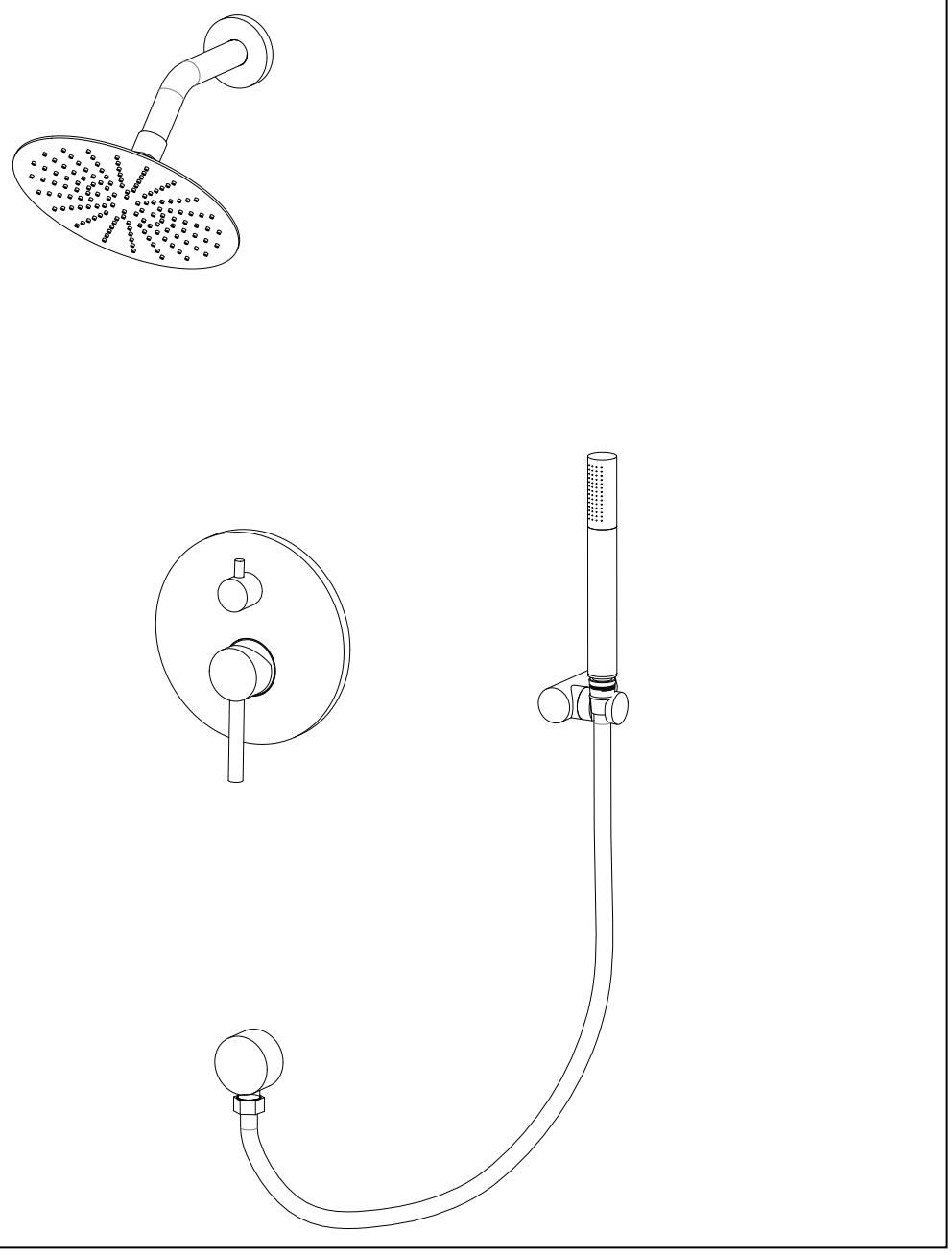


8.3 Mount the hand shower holder to the wall and secure it with the provided mounting screws.



8.4. Connect the hand shower to the wall supply elbow with flexible hose.





9. INSPECTION

9.1 Turn on hot and cold water supply and check all connection for ensuring no leaking anywhere.

10. FUNCTION INSPECTION

10.1 Turn on the handle, the water outflow from the showerhead.
10.2 Switch the diverter knob, the water will rush from the hand shower.

INSTALLATION COMPLETED

CLEARNING RECOMMENDATION FOR SUMERAIN PRODUCTS

Modern lavatory faucets, kitchen faucets, and showers are crafted from a variety of materials to meet the market's demands for both design and functionality. To prevent damage and reduce the likelihood of returns, it is essential to follow the recommended cleaning guidelines.

Cleaning Materials for faucets & showers

When cleaning faucets and showers, it is essential to follow these professional guidelines:

- Use acidic cleaning agents specifically formulated for lime removal.
- Only use cleaning products designed for this purpose to avoid damage.
- Do not use cleaning agents containing hydrochloric, formic, phosphoric, or acetic acid, as these can cause severe damage to the surface.
- Never mix different cleaning agents, as this may lead to harmful chemical reactions.
- Avoid abrasive cleaning products or tools, such as unsuitable cleaning powders, rough sponge pads, or microfiber cloths that could harm the finish.

Cleaning instructions for faucets & showers

Please follow the cleaning material manufacturer's instructions carefully. Additionally, observe the following guidelines to maintain your faucets and showers:

- Clean faucets and showers regularly as needed to preserve their optimal function and appearance.
- Use the recommended amount of cleaning product and apply it for the specified duration. Avoid leaving the cleaner on the surface longer than necessary to prevent potential damage.
- Regular cleaning helps prevent calcification. For scale deposits on faucet surfaces or spouts, use a commercial descaler such as Lime-Away® or CLR®.
- If rust forms due to hard water, gently remove it by rubbing the affected area with aluminum foil soaked in water until smooth. Then, apply a small amount of chrome polish or an appropriate product like automotive wax (e.g., Meguiar's® or Turtle Wax®) to restore the finish.
- Solid stainless steel faucets and spouts, especially waterfall designs, usually lack a protective coating. While stainless steel resists tarnishing, it can oxidize over time. Keep stainless steel fixtures clean and dry, and use a stainless steel-specific cleaner such as Weiman® or CLR® for proper maintenance.
- When using spray cleaners, apply the product to a soft cloth or sponge first instead of spraying it directly onto the faucet. This prevents water droplets from entering the faucet openings and causing damage.
- After cleaning, rinse all surfaces thoroughly with clean water to remove any cleaner residue.

Important

Residues from liquid soap, shampoo, and shower gel can contribute to surface damage over time. To prevent this, thoroughly rinse these substances off with clean water after each use.

Note: If the surface is already damaged, using cleaning materials may worsen the damage.

Components with damaged surfaces must be replaced to prevent potential injury.
Please note that any damage caused by improper use, maintenance, or cleaning is not covered under the warranty.

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