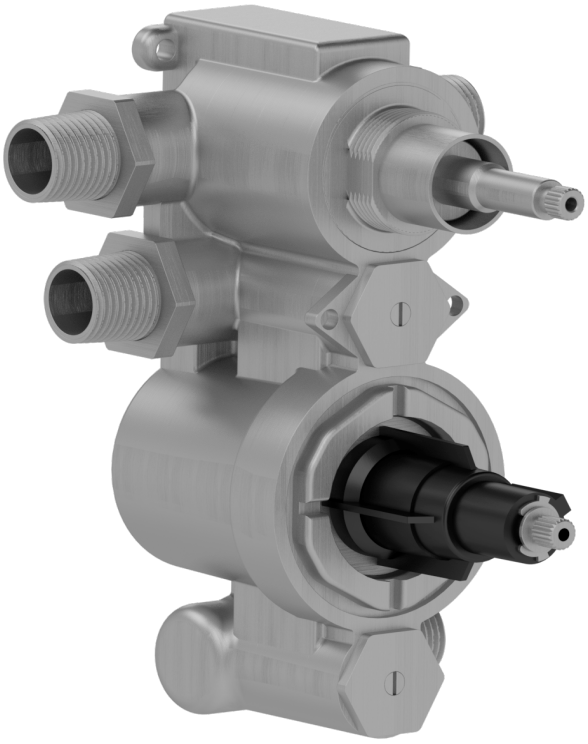
SAMUEL HEATH

Product Data Sheet

V111-AIS Concealed Thermostatic Rough

NSF certified to meet or exceed the following standards:
ASSE 1016
ASME A112.18.1/CSA B125.1



Vertical Installation Only

Pre-Installation Notes

Refer to fitting depths prior to installation.

Fitting depth will depend on which trim has been selected - if in doubt, please ask.

Ensure the ‘Essential Information’ section on page 3 is read before installation.

Valve rough is illustrated with NPT adapters fitted (supplied loose in product packaging).

Suitable to a maximum temperature of 120 degrees Fahrenheit.

Essential Information

To ensure this thermostatic valve rough is installed correctly, these guidelines must be read, understood and followed in full.

These guidelines must be handed to the owner / user for future reference.

Installation must be carried out by a professional licensed contractor.

Both the thermostatic valve rough and its corresponding trim must be available on-site prior to installation so that the installer can correctly plan the installation.

WARNING: The installation depth of the thermostatic valve rough is measured from the back of the rough to the surface of the finished wall. This dimension differs depending on the trim set / collection being used.

Check that all the parts required for proper installation are present.

This thermostatic valve rough has anti-scald protection. The risk of scalding exists until the installer has properly calibrated the temperature setting during the final trim installation.

Make sure your installation meets all federal, state and local codes. In the state of Massachusetts, all installations must comply with the rules and regulations set forth within 248 CMR.

Supply fittings are designed in accordance with pressure and temperature ratings specified in ASME A112.18.1/CSA B125.1.

If this thermostatic valve rough is not used for a period of over 2 months, then the water supply should be shut off (using separately installed shut off valves) and a flow control should be opened to allow the water in the thermostatic valve rough to evaporate, in order that the cartridge is not exposed to stagnant water which can cause damage to the cartridge.

The thermostatic valve rough must be protected at all times from frost as this can cause cracks in the components, leading to water leakage.

Spare parts information is included within these guidelines.

The thermostatic cartridge mixes hot and cold water. The on/off function and flow is controlled by the diverter.

This thermostatic valve rough is supplied with 4 BSP to NPT adapters which are packaged separately and require assembly onto the rough.

Installation Fitting Depths

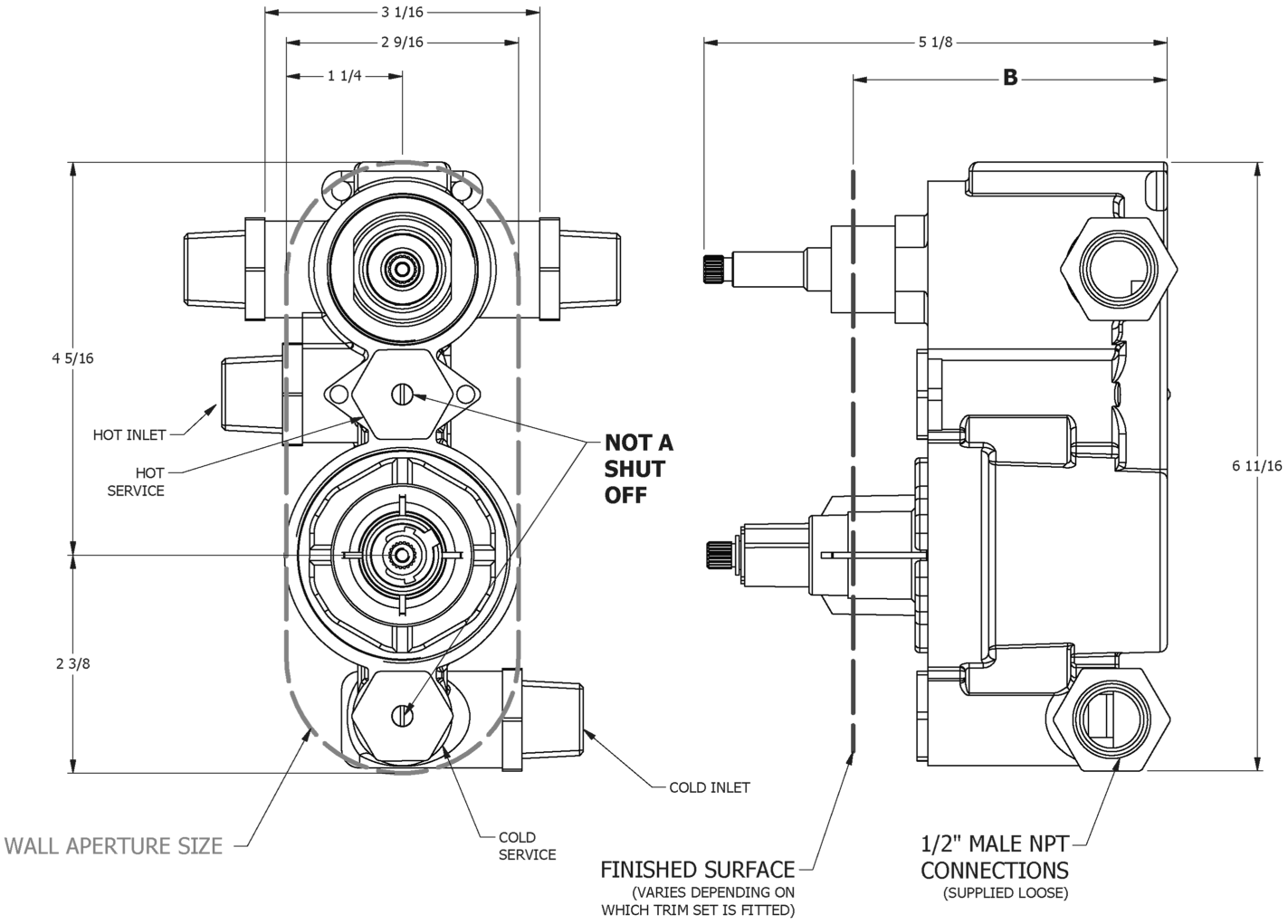
Ensure the valve is installed to the correct installation depth ‘B’ depending on which trim set is being installed. See below:

Dimension “B”	
Trim Set	Vertical Installation
XENON V111-T	2 13/16 to 4 3/16
Fairfield V211-T	2 7/8 to 3 5/16
STYLE MODERNE V611-T	2 13/16 to 3 1/4
LMK COLLECTION V711-T	4 5/16 to 4 11/16
ONE HUNDRED COLLECTION T1011-T	4 1/4 to 4 3/4
forme T2011-T	4 3/4 to 5 1/8

Note: Dimensions are in inches

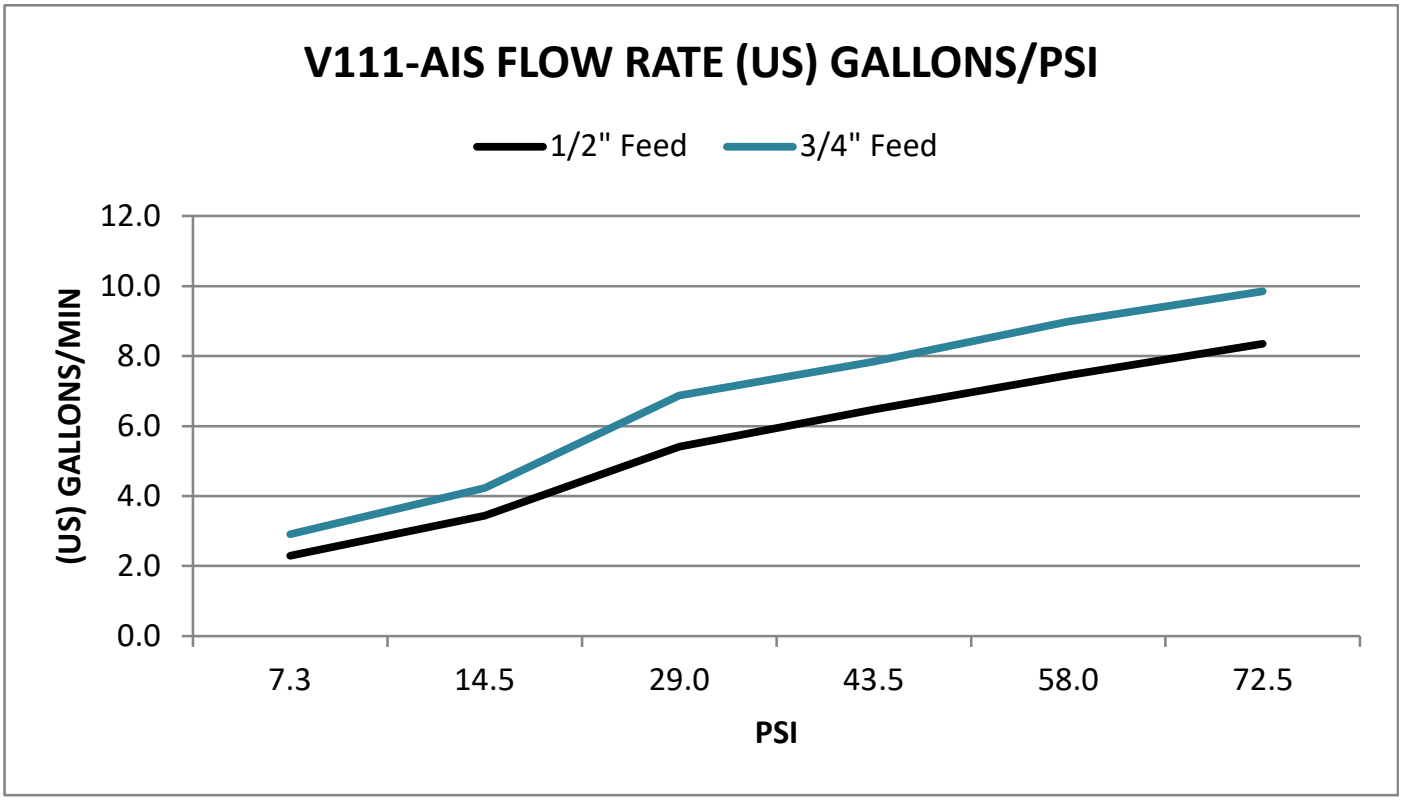
Vertical Installation Dimensions

Note: For the correct installation depths ("B") please see tables on page 4 as they may differ per trim set.



Note: Dimensions are in Inches.

Flow Rates



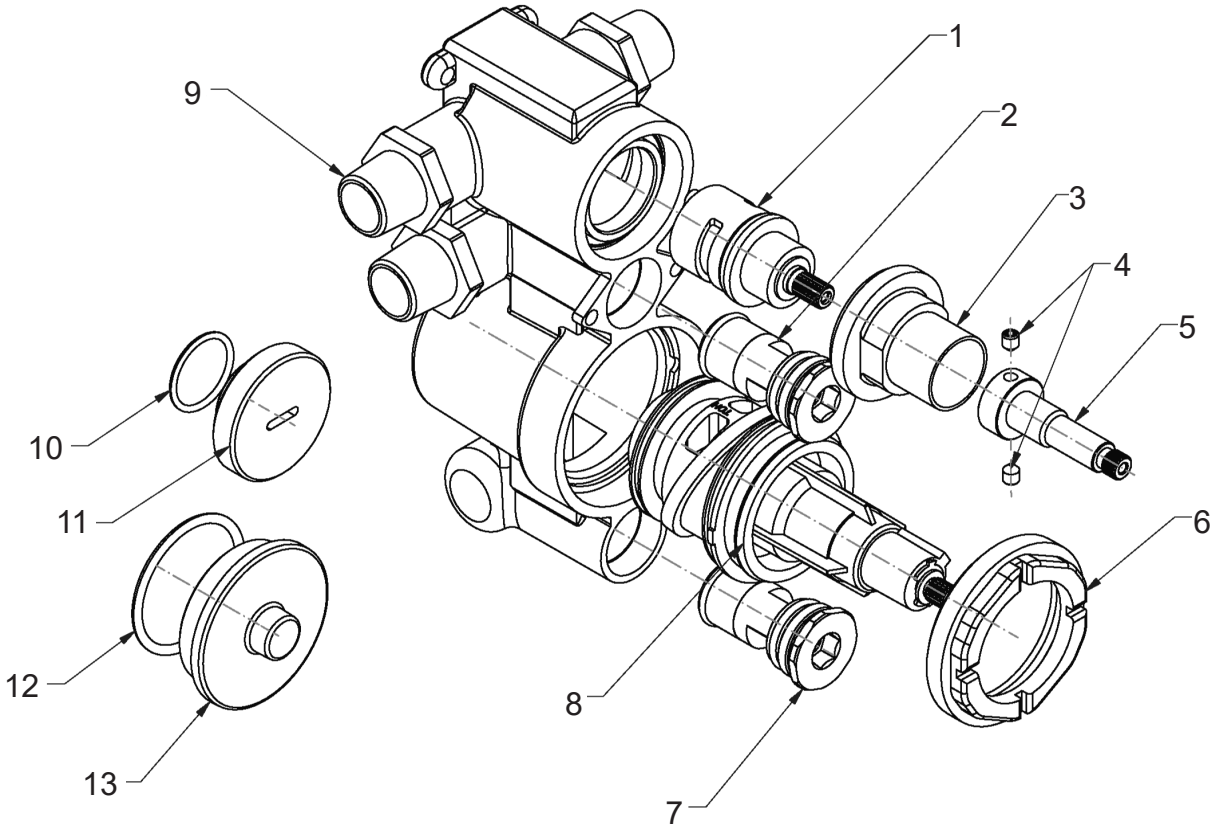
Water Pressure:
Ensure the incoming water pressure is adequate for the desired flow rate.

Flow Rates:
This flow rate data is given with shower valve outlets in an open condition with no shower heads or other ancillaries fitted. Check the flow rate of the intended outlet fittings (heads, hand showers, body jets, etc.) to ensure satisfactory flow.

The design of the installation, external connections, pipe length and other such influences will also affect the given flow rate.

The flow rate data provided in this document is indicative of each product and is given in an open outlet condition. Installation design, external connections and fittings not supplied by Samuel Heath may affect the data provided.

Spares Information
V111-AIS



Item	Part No.	Description
1	VS50013*	Diverter Cartridge
2	VS50914-A	Service Unit with Check Valve and Filter
3	-	Locking Nut
4	-	Grub Screw
5	-	Diverter Spindle
6	-	Locking Nut
7	VS50914-A	Service Unit with Check Valve and Filter
8	VS56065-US	Thermostatic Cartridge
9	-	BSP to NPT Adaptor
10	-	O-Ring
11	-	Diverter Blanking Plug
12	-	O-Ring
13	-	Thermo Control Blanking Plug

* For roughs purchased before Dec 8th 2022, please order VS56045 Diverter Cartridge

Installation

1. The valve is supplied with yellow blanking plugs fitted to the inlets and outlets in order to help prevent debris entering the valve whilst offering the valve up for correct location measurement. Ensure that the water supply shut-off valves (not supplied) are installed on both the hot and the cold water supply pipes in accessible location. When you are ready to connect the valve to the pipework, remove yellow blanking plugs from inlets and outlets, do not remove the diverter blanking plug (D), or the thermostatic blanking plug (E) for the thermostatic cartridge, these must remain fitted.

2. Connect the 4 BSP to NPT thread adapters to the inlets and outlets. The BSP end is the shorter end with the rubber O-ring fitted (see illustration). Ensure the adapters are watertight. **DO NOT connect the valve direct to pipework without first installing the BSP to NPT adapters.** They provide 4 NPT male threads to which pipework may be fitted. It is essential that an adequate amount of PTFE/Teflon tape be used to make a watertight seal.

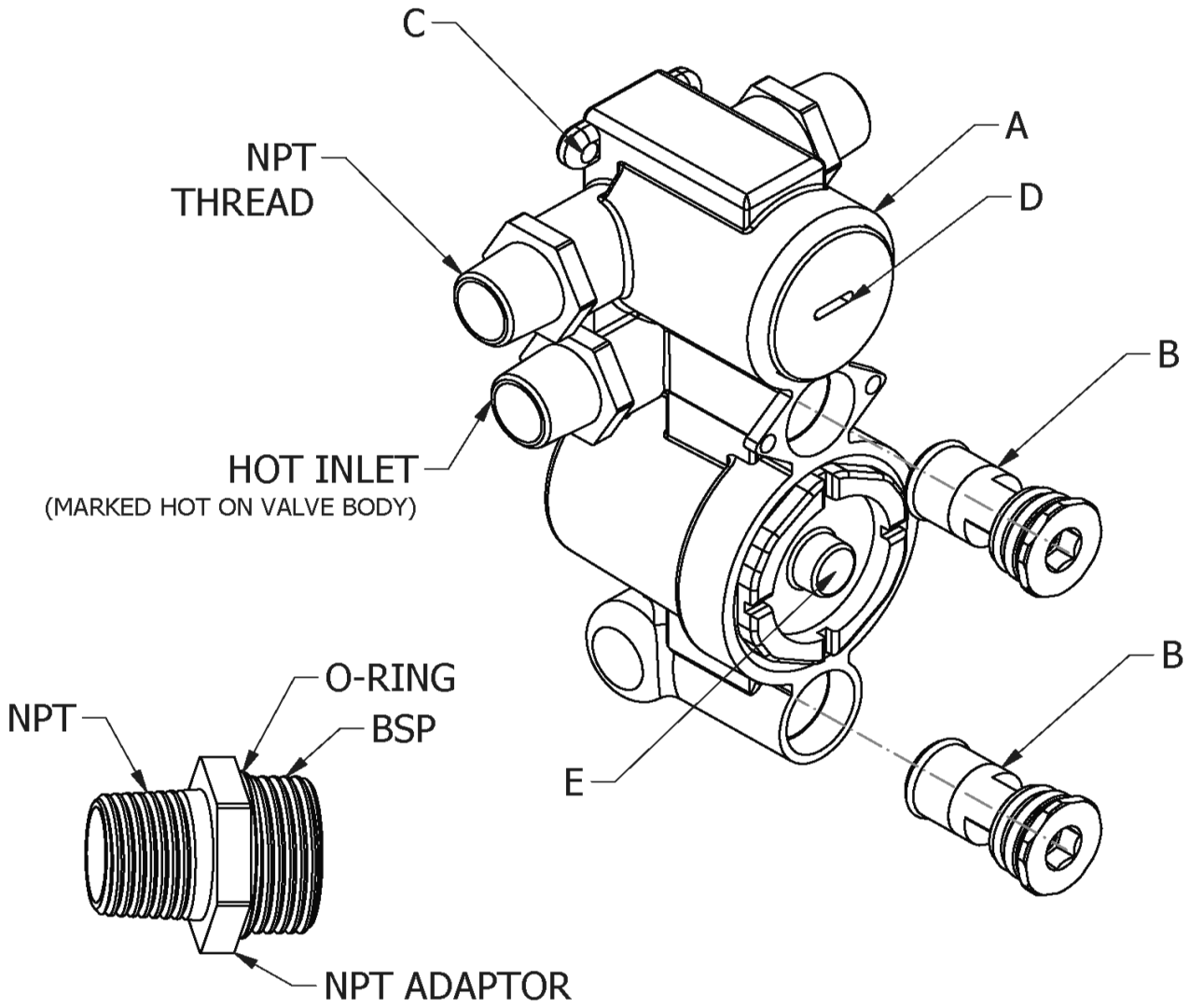
3. At no point should direct heat be applied to valve. Any connections that require solder should be pre-soldered to avoid heat damage to the valve or its components.

4. The valve must be secured to a suitable area using screws (not provided) through the four fixing plugs (C) in the valve body (A). Ensure that all pipework is thoroughly secured using clips or brackets.

5. It is important to flush the system before installing the diverter or thermostatic cartridges. Before flushing the system, turn off the hot and cold water supplies (using separately installed shut off valves, not supplied) and remove the service unit (B) from both the hot and cold supplies using a spanner or wrench to gently undo the service unit (B). The screw in the surface of the service unit (B) must not be turned at any point. **WARNING: This screw is not a shut-off valve.**

6. Ensure that the diverter blanking plugs (D) and thermostatic blanking plug (E) have not been loosened. Flush the system for no more than 3 minutes at one time with water pressure below 29 psi / 2 Bar to remove remaining debris from the supply pipework. Failure to do so adequately will damage the valve and will result in the warranty being void. Ensure that water from the flushed system drains away safely. Once the system is clear of debris, turn off the hot and cold water supplies again and replace the service units (B) in the correct orientation shown. The screw in the surface of the service unit (B) must not be turned at any point. **WARNING: This screw is not a shut-off valve.**

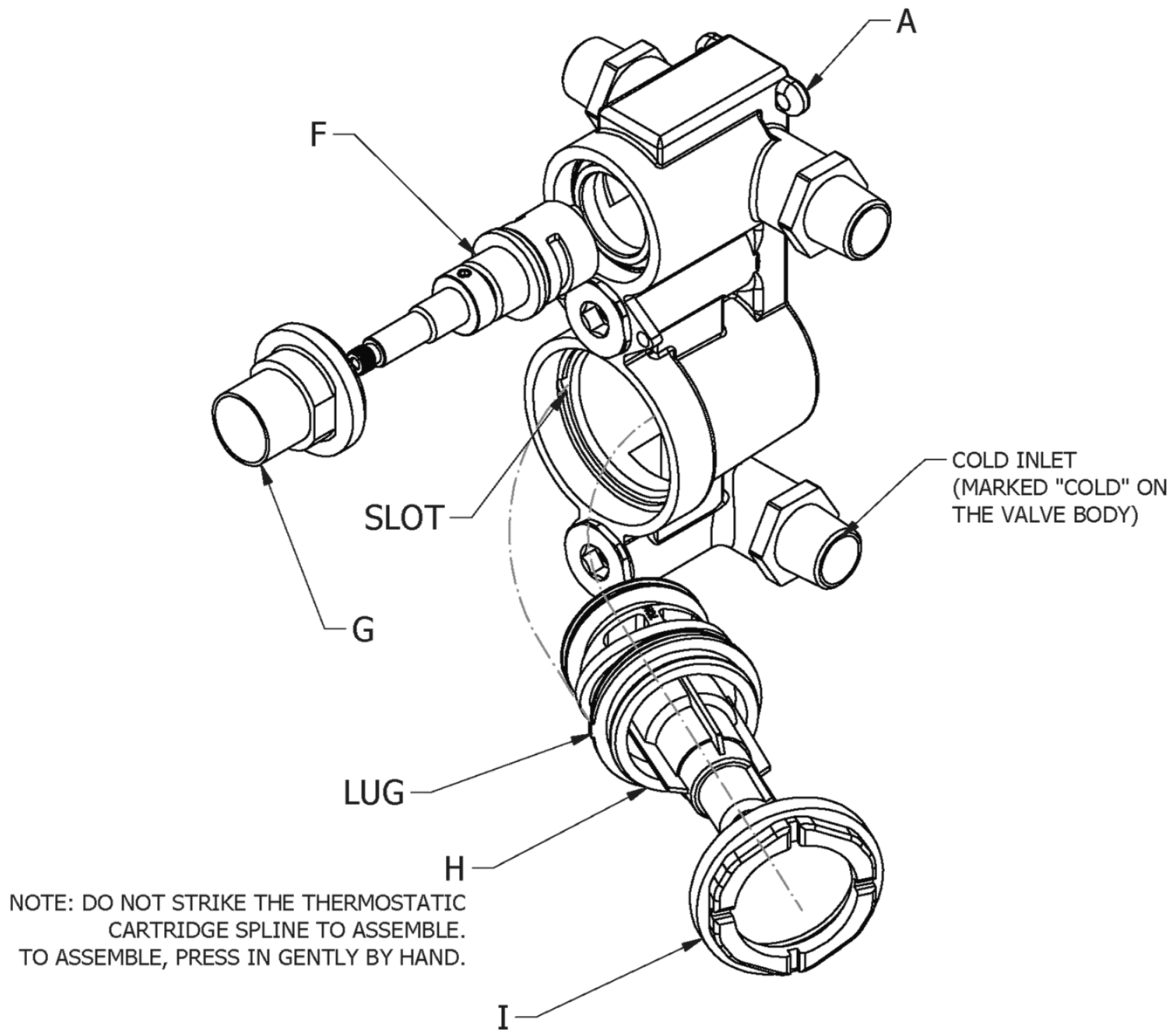
IMPORTANT: Do not leave the valve (A) pressurized without the cartridges installed.



Example Illustrated is with vertical fixing

7. Warning: the blanking plugs (D,E) provided are not suitable for pressure-testing. In order to pressure-test the system to ensure there are no leaks, first remove the blanking plugs (D,E) and install the diverter (F), and thermostatic cartridges (H) provided. When installing the thermostatic cartridge (H) ensure that the lug in the body of the cartridge locates into the slot in the body of the valve. **Warning: Do not strike the thermostatic cartridge as this will damage it and void the warranty.** Lock the thermostatic cartridge in place using the locking ring (I).Ensure that all cartridges are secure but not overtightened and that all connections are watertight.

8. Note: to remove the thermo blanking plug (E), locate a screwdriver within one of the slots in the locking nut (I), then gently tap the screwdriver to undo the nut. Reverse the process when installing the thermostatic cartridge (H).



9.If the hot and cold pipe work is fitted incorrectly in reverse, it is possible to correct this by undoing the locking nut (I), gently removing the thermostatic cartridge (H), rotating the cartridge 180° and refitting it into the 3 o'clock slot in the body of the valve, ensure the locking nut (I) is secured again.

10. Leave an adequate aperture in the finished wall surface to allow access to all cartridges and service nuts. Do not leave the valve exposed to any construction damage, debris, chemicals, or extreme temperatures including frost.

11. Once the finished wall is completed, should you find that the valve is fitted too deep, we are able to offer extension kits. Please contact our customer service team on 212-696-0050 or usa@samuel-com.

IMPORTANT NOTES

1. Installation should be carried out by a competent engineer in accordance with water regulations.
2. Before installation ensure supply pipes are flushed clean as debris or loose particles will affect the effiency of the ceramic disc cartridge.
3. For mixer taps it is recommended that hot & cold pressures are equally balanced.
4. To help maintain the high quality finish please clean with a soft damp cloth. Do not use abrasive polish or cleaners. Stains may be removed using diluted washing up liquid.
5. Ceramic cartridges in hard water areas. To prolong the lifespan and reduce servicing periods of your Samuel Heath tap we recommend that a suitable water softener be fitted. Consult your installer/designer for details.
6. Please note that as with all tap and shower ware it will be necessary from time to time for the products to be serviced, this should be carried out by a qualified Plumbing Engineer.

NOTES IMPORTANTES

1. L'installation doit être faite par un ingénieur qualifié, selon les réglements du Service Eau.
2. Avant l'installation, il faut s'assurer que les tuyaux d'approvisionnement sont complètement purgés. Les déchets flottants auront un effet détrimentaire sur l'efficacité de la cartouche céramique.
3. Il est recommandé que les pressions de l'eau chaude et eau froide des mitigeurs et mélangeurs soient maintenues à un niveau égal.
4. Pour conserver la finition de haute qualité, nettoyer avec un chiffon doux et humide. N'employer jamais de la cire et des produits abrasifs. Les tâches peuvent être enlevées à l'aide de liquide vaisselle pur.
5. Cartouches en céramique dans les régions à eau calcaire. Pour prolonger la durée et réduire l'entretien de votre robinetterie Samuel Heath, nous recommandons d'utiliser un adoucisseur d'eau convenable. Veuillez consulter votre installateur/fournisseur pour plus de renseignements.
6. Veuillez noter qu'un entretien sera nécessaire de temps en temps et doit être effectué par un installateur qualifié.

WICHTIGE HINWEISE

1. Installation sollte durch einen kompetenten Fachmann und nach den üblichen Vorschriften ausgeführt werden.
2. Vor Installation Wasserleitung gründlich durchspülen. Verschmutzung wird die Funktion der Kartusche erheblich einschränken.
3. Für Mischbatterien ist es wichtig, daß Wasser mit gleichem Druck eingefuhrt wird.
4. Um den optimalen Zustand dieses Produktes zu erhalten, wischen Sie es bitte nur mit einem feuchten, weichen Lappen ab. Auf keinen Fall Scheuermittel verwenden. Flecken lassen sich mit unverdünntem Geschirrspülmittel entfernen.
5. Keramikkartuschen in Hartwasserbereichen. Um die Lebensdauer zu verlängern und Wartungszeiten zu reduzieren empfiehlt Samuel Heath den Einsatz eines geeigneten Wasserenthärters. Fragen Sie Ihren Installateur/Designer um Rat.
6. Bitte merken Sie, dass alle Armaturen ab und zu eine Wartung brauchen. Diese soll durch einen kompetenten Installateur ausgeführt werden.

ATENCION

1. La instalación se debe realizar por un fontanero.
2. Antes de la instalación, deben pulgar las tuberias dejándo correr el agua por las tuberias para que arrastren los residuos de montaje/obra, con el motivo de que no afecte la eficacia del cartucho de ceramica.
3. Para grupo baño/ducha se recomienda que las presiones del agua caliente y frio sean equilibradas.
4. Para ayudar a mantener el acabado de este producto, limpiar con un paño húmedo suave. No se debe emplear productos abrasivos de baño. Las manchas se pueden quitar empleándo liquido lava-vajillas puro.
5. Cartuchos cerámicos en áreas de aguas duras . Para prolongar su vida útil y reducir los periodos de reparación de su grifo SamuelHeath recomendamos la instalación de un descalcificador de agua. Consulte a su instalador para más detalles.
6. Igual que con todo tipo de griferia y duchas, de vez en cuando será necesario llevar a cabo una revisión al producto; esto deberia ser realizado por un fontanero calificado.

ATTENZIONE

1. L'impianto deve essere montato da personale tecnico in conformità alle vigenti leggi.
2. Prima dell'installazione assicurarsi che le tubature dell' aqua siano pulite. Detriti o residui di lavorazione compromettono l'efficenza del cartuccio.
3. Per i gruppi, si raccomanda che le pressioni acqua calda e acqua fredda siano ugualmente bilanciate.
4. Per mantenere la finizione di ottima qualità, pulire con un panno soffice e inumidito. Non usare creme lucidanti e materiali abrasivi. Le macchie potranno essere tolte usando del detersivo per piatti puro.
5. Come con tutti i tipi di rubinetti e docce, di volta in volta è necessario effettuare una revisione al prodotto; questo dovrebbe essere fatto da un idraulico qualificato.

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