

SAMUEL HEATH

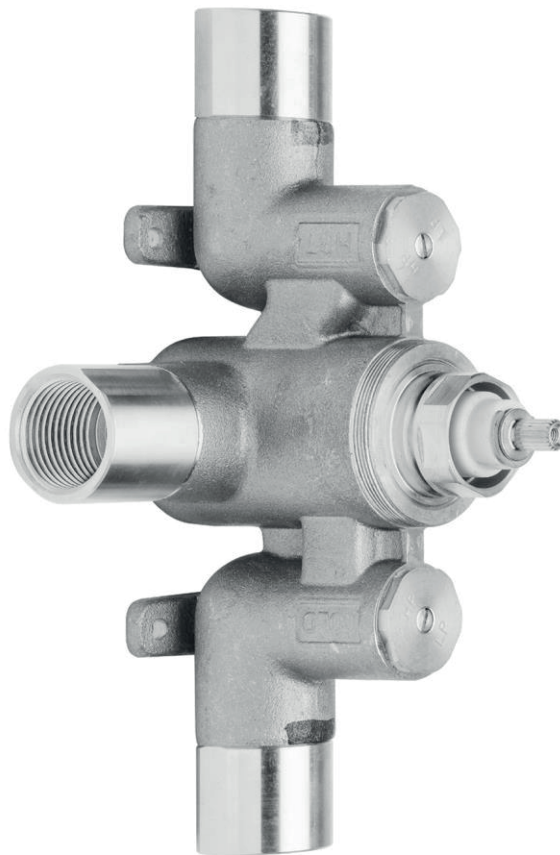
Product Data Sheet

8-40389-AIS

Issue: D

V133-AIS Concealed $\frac{3}{4}$ " Thermostatic Rough

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



Vertical Installation Only

Refer to fitting depths prior to installation.

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

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

Valve rough is illustrated with NPT adaptors 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 the water supply should be shut off using separately installed shut off valves. A flow control should be opened to allow the water in the thermostatic valve rough to evaporate so 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. Separate volume controls are required.

This thermostatic valve rough is supplied with 3 BSP to NPT adapters which are packaged separately and require assembly onto the rough.

Installation Fitting Depths

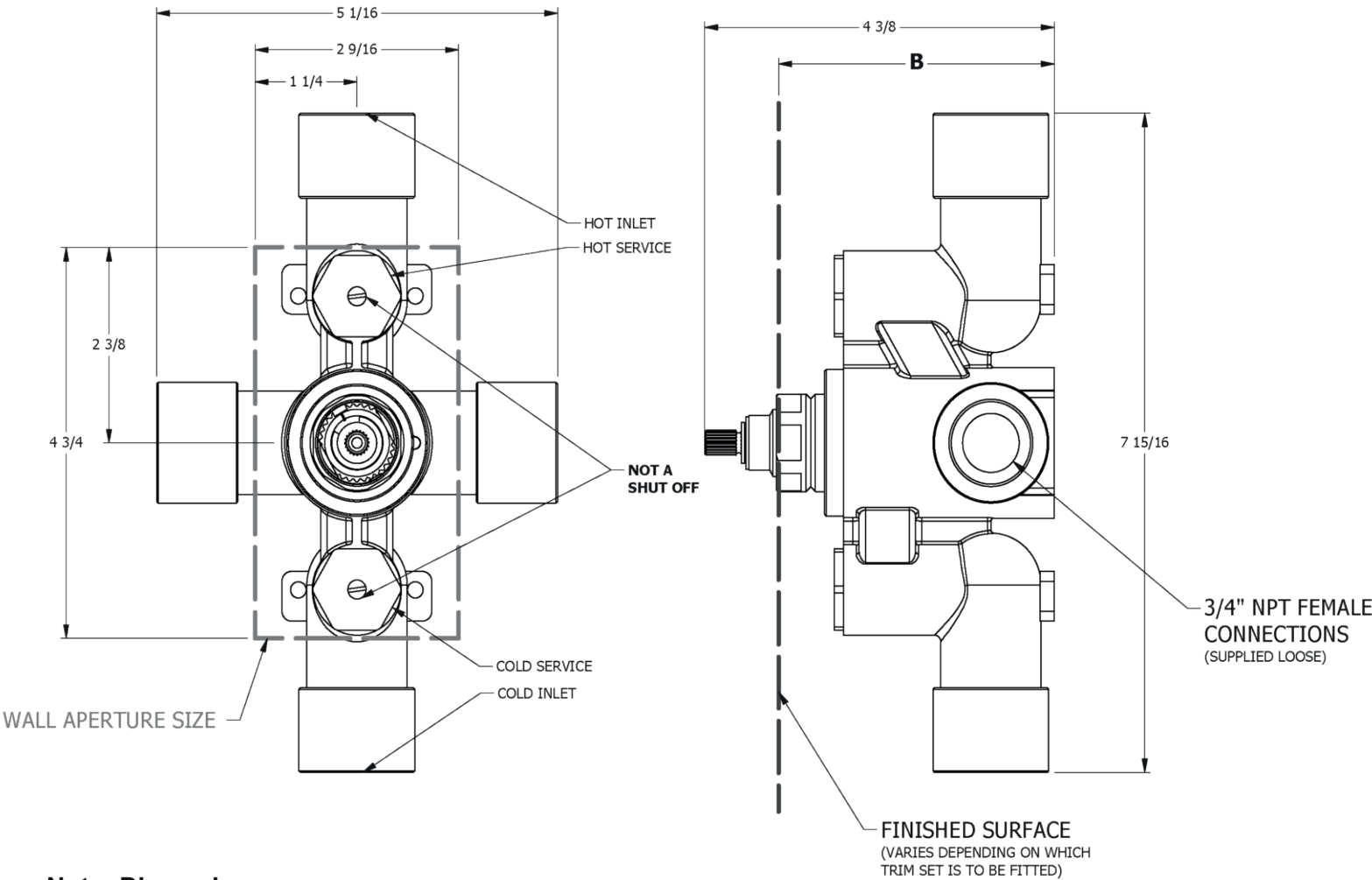
Ensure the valve is installed to the correct installation depth 'B' depending on which trim set is being installed. See below:

Note: Dimensions are in Inches.

Dimension "B"			
<u>Trim Set</u>		<u>Vertical Installation</u>	
XENON	V100-T2	2 ¹⁵ / ₁₆	to 4 ⁹ / ₁₆
<i>Fairfield</i>	V200-T2	2 ¹⁵ / ₁₆	to 3 ⁵ / ₁₆
STYLE MODERNE	V600-T2	2 ¹⁵ / ₁₆	to 3 ¹ / ₄
LMK COLLECTION	V700-T	4	to 4 ¹ / ₂
ONE HUNDRED COLLECTION	T1000-T	3 ¹ / ₂	to 3 ⁷ / ₈
<i>forme</i>	T2000-T	3 ⁷ / ₈	to 4 ³ / ₈

Vertical Installation Dimensions

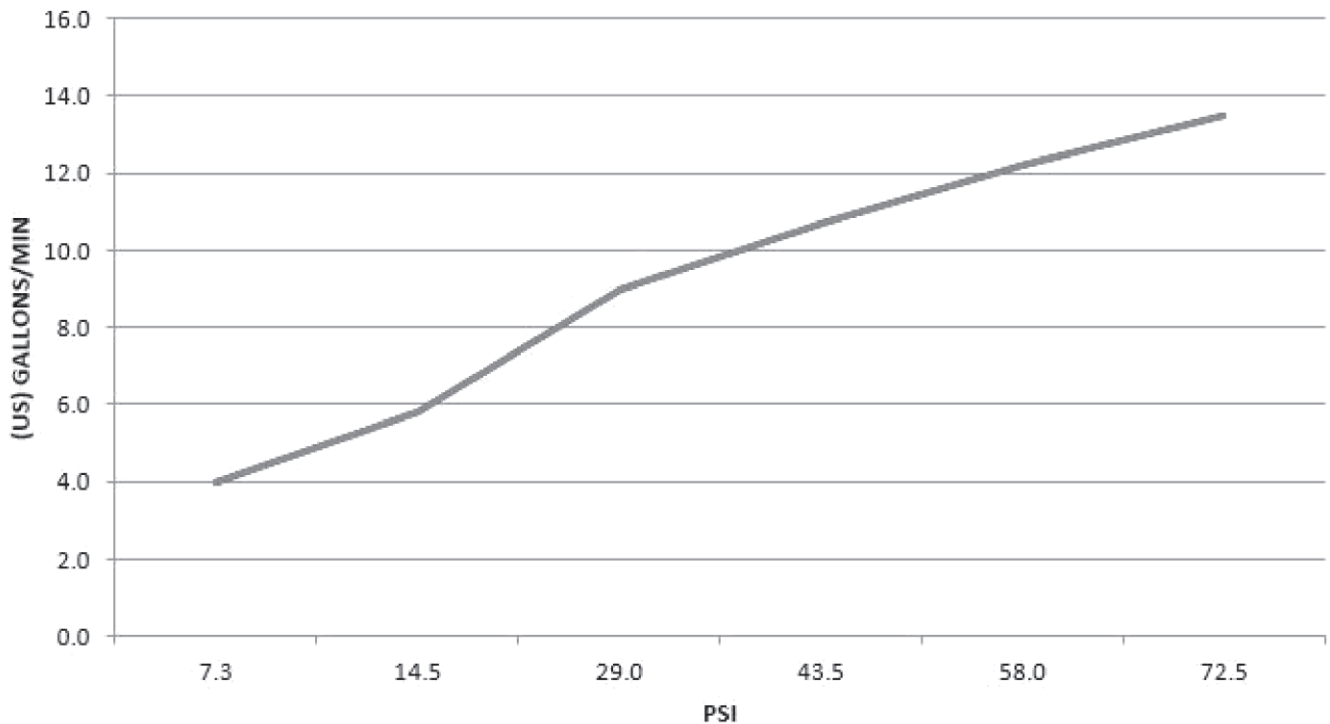
Note: For the correct installation depths ("B") please see tables on page 4 as they may differ per trim set.



Note: Dimensions are in Inches.

Flow Rates

V133-AIS FLOW RATE (US) GALLONS/PSI



Water Pressure:

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

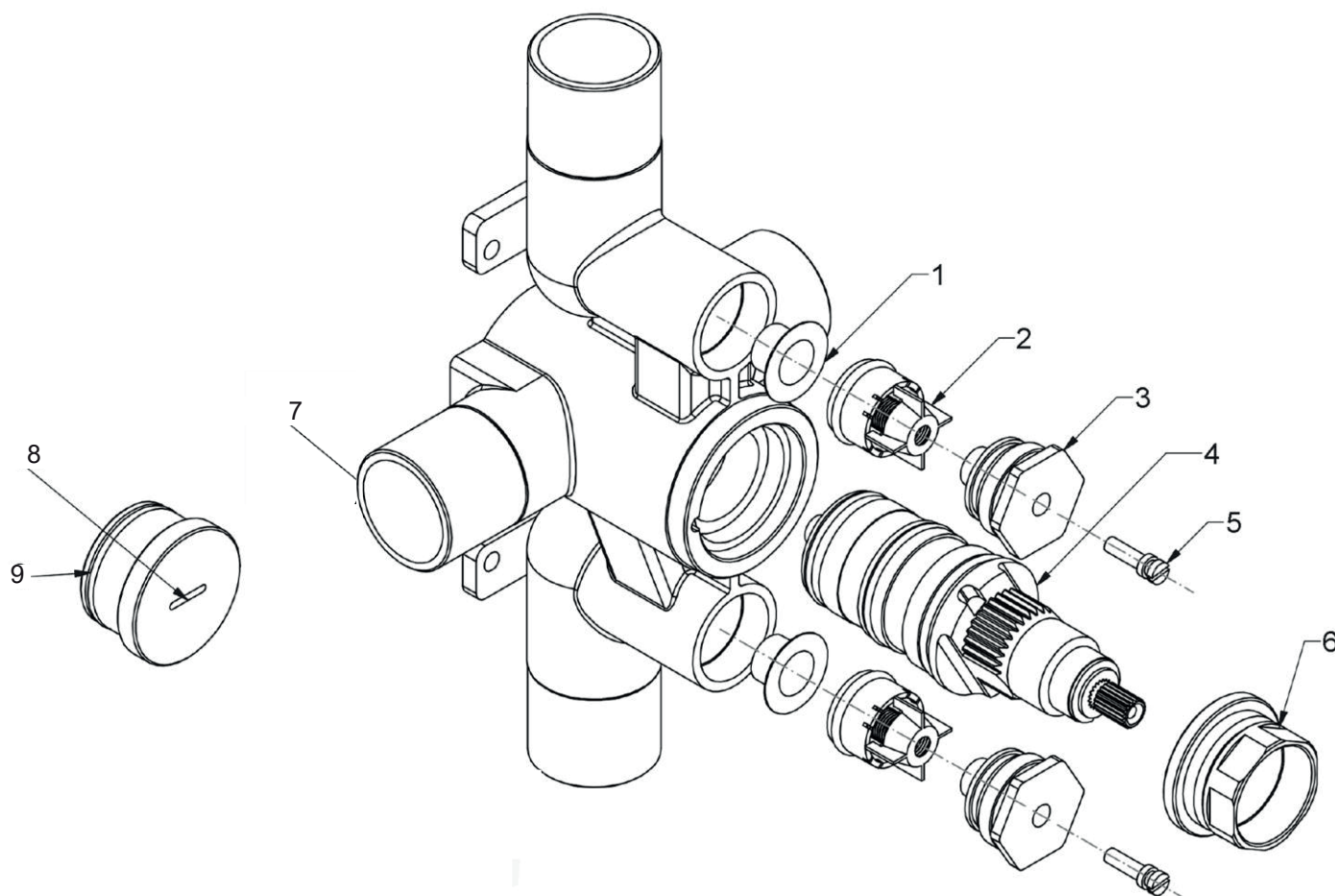
Flow Rates:

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

V133-AIS

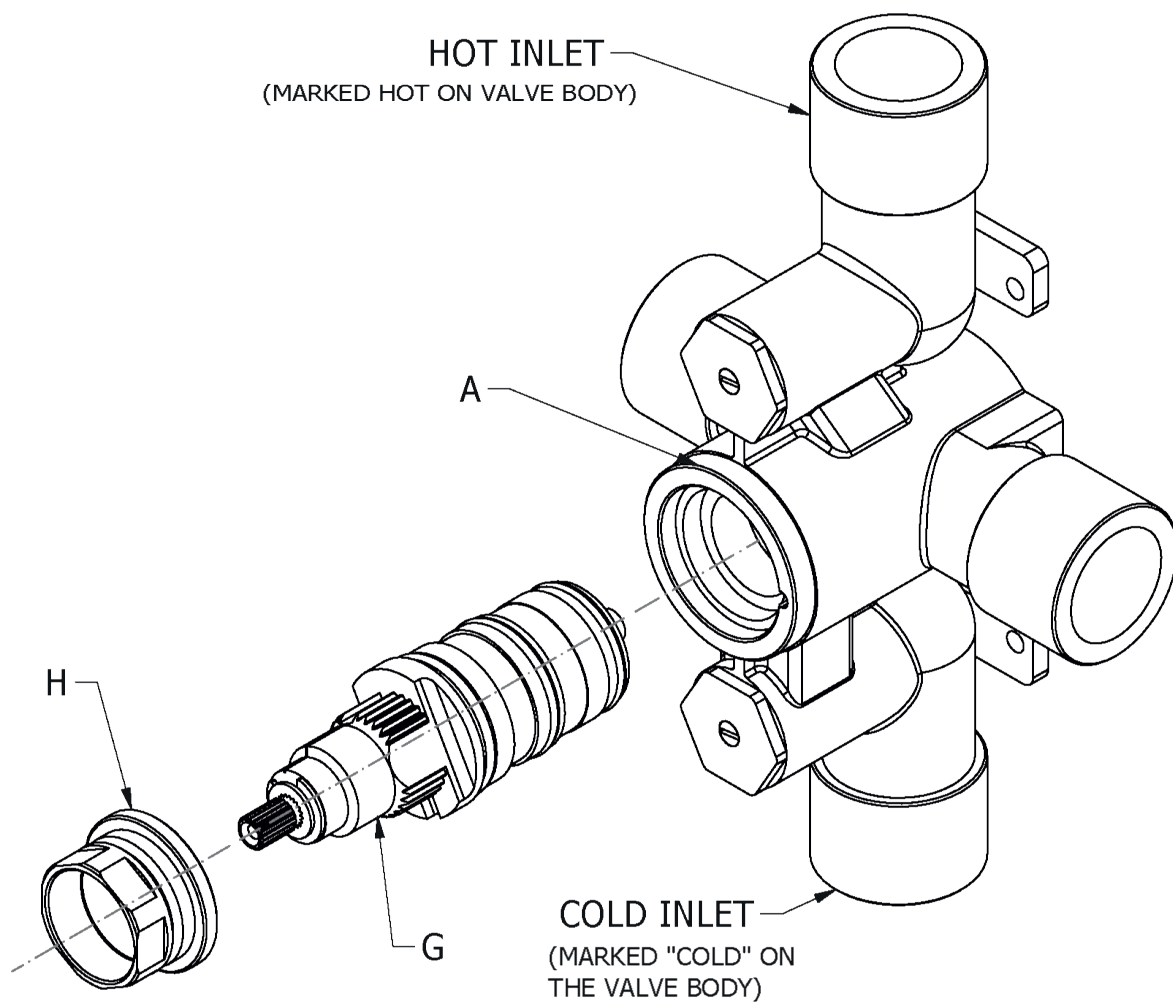


Item	Part No.	Description
1	-	Filter
2	-	Check Valve
3	-	Service Nut
4	VS56029	Thermostatic Cartridge
5	-	Screw
6	-	Locking Nut
7	-	BSP to NPT Adaptor
8	-	Blanking Plug
9	-	O-Ring

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 an 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 thermostatic blanking plug (F) for the thermostatic cartridge, this must remain fitted.
2. Connect the 3 BSP to NPT thread adapters to the inlets and outlet, the BSP end is the male end with the rubber O-ring fitted (see illustration). Ensure the adaptors are watertight. **DO NOT CONNECT** the valve direct to pipework without first installing the BSP to NPT adaptors. They provide 3 NPT female threads to which pipework may be fitted. It is essential that an adequate amount of PTFE/ Teflon tape is 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 lugs (D) 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 thermostatic cartridge. Before flushing the system turn off the hot and cold water supplies using separately installed shut off valves (not supplied) and remove the service nut (E), check valve (C), and filter (B) from both the hot and cold supplies using a spanner or wrench to gently undo the service nut (E). The screw in the surface of the service nut (E) must not be turned at any point. **Warning: This screw is not a shut-off valve.**
6. Ensure that the thermostatic blanking plug (F) has 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 nut (E), check valve (C), and filter (B) in the correct orientation shown. The screw in the surface of the service nut (E) must not be turned at any point. **Warning: This screw is not a shut-off valve.**

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



NOTE: DO NOT STRIKE THE THERMOSTATIC
CARTRIDGE SPLINE TO ASSEMBLE.
TO ASSEMBLE, PRESS IN GENTLY BY HAND.

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. Debris or loose particles will affect the efficiency 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 règlements 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 eingeführt 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 Wasserenthärter. 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 tuberías dejando correr el agua por las tuberías para que arrastren los residuos de montaje/obra, con el motivo de que no afecte la eficacia del cartucho de cerámica.
3. Para grupo baño/ducha se recomienda que las presiones del agua caliente y frío 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 empleando líquido lava-vañillas puro.
5. Cartuchos cerámicos en áreas de aguas duras. Para prolongar su vida útil y reducir los periodos de reparación de su grifo Samuel Heath recomendamos la instalación de un descalcificador de agua. Consulte a su instalador para más detalles.
6. Igual que con todo tipo de grifería y duchas, de vez en cuando será necesario llevar a cabo una revisión al producto; esto debería 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'acqua siano pulite. Detriti o residui di lavorazione compromettono l'efficienza 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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