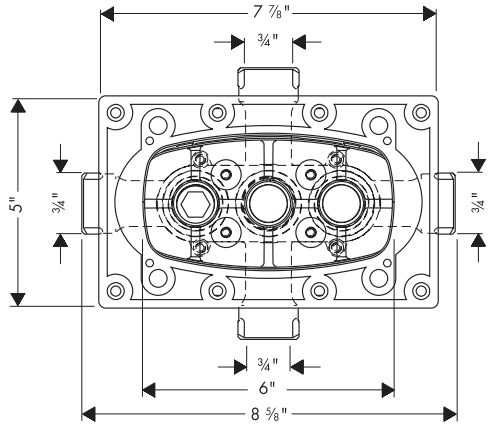
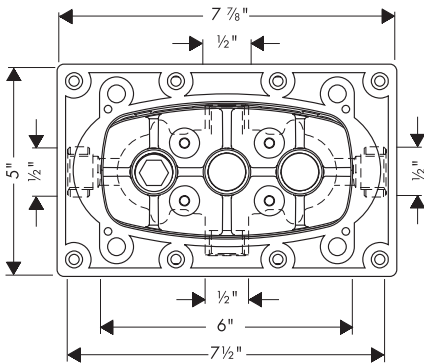
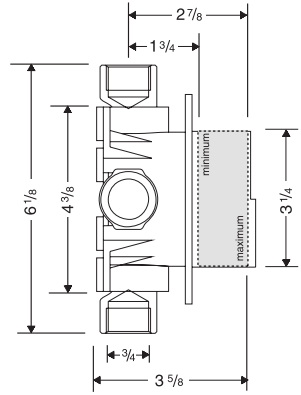
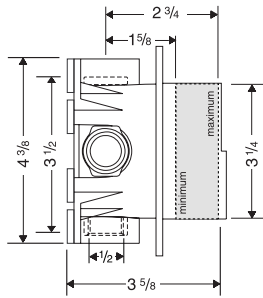


Ecostat Thermostatic Mixer Rough

1/2" 15373181

3/4" 15374181

hansgrohe



15373181

15374181

Technical Information

Maximum incoming water pressure	145 PSI
Recommended incoming water pressure	45 - 80 PSI
Recommended incoming hot water temp	120° - 140° F
Safety Stop	100° F
Nominal Capacity at 44 PSI	13.8 GPM

* Some municipalities have codes governing the maximum temperature of the water heater. Please know and follow all applicable local codes when setting the temperature of the water heater.

Trim Kits

The rough-in must be completed with a Hansgrohe Ecostat™ trim kit. The thermo element, which incorporates the paraffin thermostatic cartridge, check valves, and service stops, is included with the trim kit to prevent loss or damage on the job site.

Installer Notes:

For best results, Hansgrohe recommends that this valve be installed by a licensed, professional plumber.

Large differences in pressure between the hot and cold supplies must be balanced or the valve will not work properly.

The Ecostat™ thermostatic mixer controls temperature only. It does not control or direct the flow of water. It must be installed in conjunction with volume control valves, or some other means of controlling water flow, such as the Hansgrohe Trio™ diverter/volume control combination valve.

Do not use the Ecostat™ with a diverter tub spout.

If the installation is performed in freezing weather, or where freezing conditions might occur prior to building completion, water must be thoroughly evacuated from the plumbing system to prevent freeze damage to the Ecostat™ valve and/or piping system.

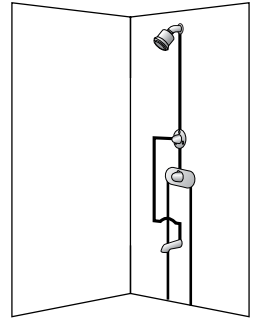
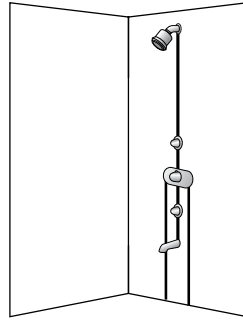
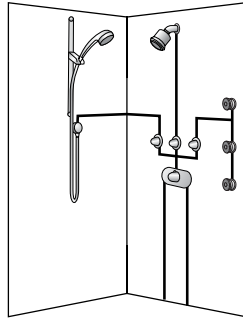
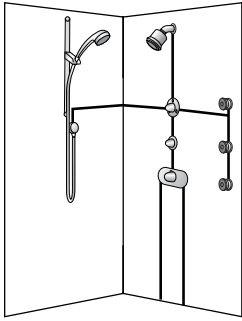
Shower System Layout

The Ecostat™ thermostatic mixer controls temperature only. It does not have an “off” position. Because of this, a separate volume control valve must be installed for each outlet.

All shower functions should be piped from the top outlet port . The bottom outlet port should be used for a tub filler only. If shower functions are piped from both the top and bottom outlets, and are run at the same time, an unacceptable temperature difference will result.

If the Ecostat™ is to be used in a tub/shower application, **do not use a diverter tub spout.** Do one of the following:

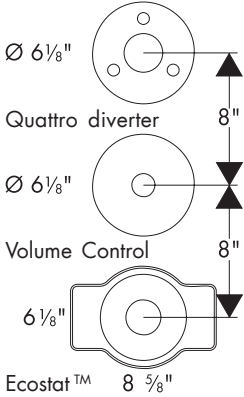
- Pipe a non-diverter tub spout and a volume control from the bottom outlet port.
- In a two-function shower, pipe a non-diverter spout from one of the outlet ports on a Trio Stop diverter.
- In a three-function shower, pipe a non-diverter spout from one of the outlet ports on a Quattro diverter. A volume control must be installed between the Ecostat™ and the Quattro.



Sample layout #1

3-function shower using 1 thermostatic mixer, volume control, and Quattro diverter

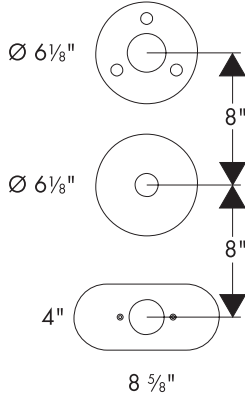
Starck



Sample Layout #2

3-function shower with Ecostat™ and 3 volume controls

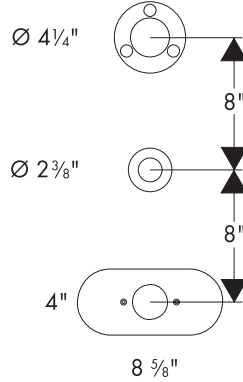
Steel



Sample Layout #3

Tub / shower combination with Ecostat™ and two volume controls.

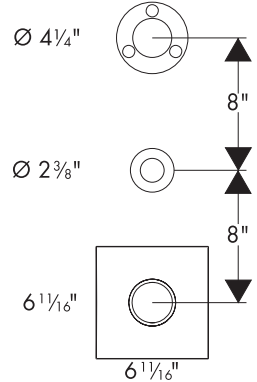
Allegroh/Terrano/
Carlton/Metropol



Sample Layout #4

Tub/shower with Ecostat™ and Trio-stop diverter

Citterio



The positions of the valves can be adjusted for the tile pattern. However, care must be taken to leave enough space for the trim plates.

Installation Instructions

For proper operation of the Ecostat™ valve, the hot supply must be plumbed into the hot inlet port, and the cold supply must be plumbed into the cold inlet port. The ports are marked in three ways - with red and blue dye on the brass, with "hot" and "cold" stamped onto the installation box itself, and "hot" and "cold" printed on the wall depth sticker on top of the plaster shield.

The outside surface of the finished wall must fall between the minimum and maximum markings on the wall depth sticker in order to insure that the trim fits properly. The plaster shield will be trimmed off nearly flush with the wall during trim-out.

warm	ACHTUNG! Thermostat ohne Absperrung	↑	kalt
hot	Attention! Thermostat without shut-off valve	Fliesenvorderkante	MIN
chaud	Attention! Thermostat sans robinet d'arrêt	Wall Surface	MAX
		Face avant du carrelage	↓
			froid

If the volume controls have been installed, it is safe to pressurize the system. The testing insert is ported so that crossflow cannot occur.

Flushing and pressure testing the system using the testing insert:

THIS IS A SUGGESTED PROCEDURE. IF YOU CHOOSE NOT TO FOLLOW IT, PLEASE MAKE SURE TO FLUSH THE HOT AND COLD SUPPLY LINES PRIOR TO INSTALLATION OF THE THERMO ELEMENT. DAMAGE TO THE THERMO ELEMENT CAUSED BY DEBRIS IS NOT COVERED BY THE HANSGRÖHE WARRANTY.

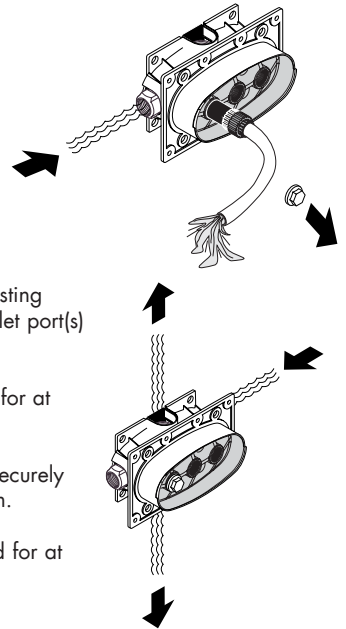
The testing insert is ported so that the cold line flushes through the outlet port(s) on the valve. The hot supply flushes through the hole in the front of the testing insert occupied by the brass plug.

Prior to pressurizing the rough-in body, remove the brass plug from the testing insert and install hose bibbs in the 1/2" threaded opening and to the outlet port(s) on the thermo mixer rough.

Attach a garden hose to each of the hose bibbs. Flush the piping system for at least five minutes through each hose bibb.

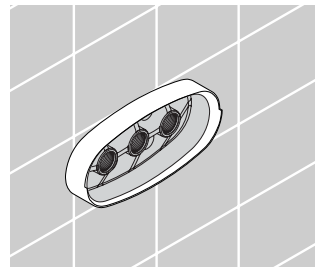
After the volume control valve(s) have been installed, and the brass plug securely replaced in the front of the testing insert, it is safe to pressurize the system.

Check all pipe connections for leaks after the system has been pressurized for at least 30 minutes.



Finishing the wall

The wall should be finished up to the plaster shield as shown. Any of the plaster shield that is still outside the wall after the finished wall is complete will be trimmed off when the trim kit is installed.



Limited Lifetime Consumer Warranty

This product has been manufactured and tested to the highest quality standards by Hansgrohe, Inc. ("Hansgrohe"). This warranty is limited to Hansgrohe products which are purchased by a consumer in the United States after March 1, 1996, and installed in either the United States or Canada.

WHO IS COVERED BY THE WARRANTY

This warranty extends to the original consumer purchaser only.

WHAT IS COVERED BY THE WARRANTY

This warranty covers only your Hansgrohe manufactured product. Hansgrohe warrants this product against defects in material or workmanship as follows: Hansgrohe will repair at no charge for parts only or, at its option, replace any product or part of the product which proves defective because of improper workmanship and/or material, under normal installation, use, service and maintenance. If Hansgrohe is unable to provide a replacement and repair is not practical or cannot be timely made, Hansgrohe may elect to refund the purchase price in exchange for the return of the product.

LENGTH OF WARRANTY

Replacement or repaired parts of products will be covered for the term of this warranty as stated in the following two sentences. If you are a consumer who purchased the product for use primarily for personal, family, or household purposes, this warranty extends for as long as you own the product and the home in which the product is installed. If you purchased the product for use primarily for any other purpose, including, without limitation, a commercial purpose, this warranty extends only (i) for 1 year, with respect to Interaktiv and Retroaktiv products, and (ii) for 5 years, with respect to AXOR, ShowerPower and Pharo products.

THIS WARRANTY DOES NOT COVER, AND HANSGROHE WILL NOT PAY FOR:

- A. Conditions, malfunctions or damage not resulting from defects in material or workmanship.
- B. Conditions, malfunctions or damage resulting from (1) improper installation, improper maintenance, misuse, abuse, negligence, accident or alteration, or (2) the use of abrasive or caustic cleaning agents or "no rinse" cleaning products, or the use of the product in any manner contrary to the product instructions.
- C. Labor or other expenses for the disconnection or return of the product for warranty service, or for installation or reinstallation of the product.
- D. Accessories or related products not manufactured by Hansgrohe.

TO OBTAIN WARRANTY SERVICE

Contact your Hansgrohe retailer, or write to Technical Service at:

Hansgrohe Inc.
1492 Bluegrass Lakes Parkway
Alpharetta GA 30004

Or, call Hansgrohe toll-free at (800) 334-0455.

In requesting warranty service, you will need to provide

1. The sales receipt or other evidence of the date and place of purchase.
2. A description of the problem.
3. Delivery of the product or the defective part, postage prepaid and carefully packed and insured, to Hansgrohe Inc. 1492 Bluegrass Lakes Parkway, Alpharetta, Georgia 30004, Attention: Technical Service, if required by Hansgrohe.

When warranty service is completed, any repaired or replacement product or part will be returned to you postage prepaid.

EXCLUSIONS AND LIMITATIONS

REPAIR OR REPLACEMENT (OR, IN LIMITED CIRCUMSTANCES, REFUND OF THE PURCHASE PRICE) AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. HANSGROHE NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO CREATE FOR IT ANY OBLIGATION OR LIABILITY IN CONNECTION WITH THIS PRODUCT.

HANSGROHE SHALL NOT BE LIABLE TO PURCHASER OR ANY PERSON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, ARISING OUT OF BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY (INCLUDING MERCHANTABILITY).

Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may have other rights which vary from State to State.

You may be required by law to give us a reasonable opportunity to correct or cure any failure to comply before you can bring any action in court against us under the Magnuson-Moss Warranty Act.

PRODUCT INSTRUCTIONS AND QUESTIONS

Upon purchase or prior to installation, please carefully inspect your Hansgrohe product for any damage or visible defect. Prior to installing, always carefully study the enclosed instructions on the proper installation and the care and maintenance of the product. If you have questions at any time about the use, installation, or performance of your Hansgrohe product, or this warranty, please call or write to us at the toll-free number and address printed above.