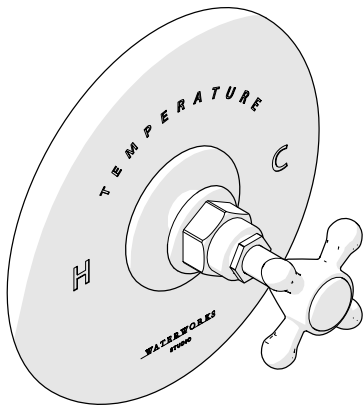


HIGHGATE

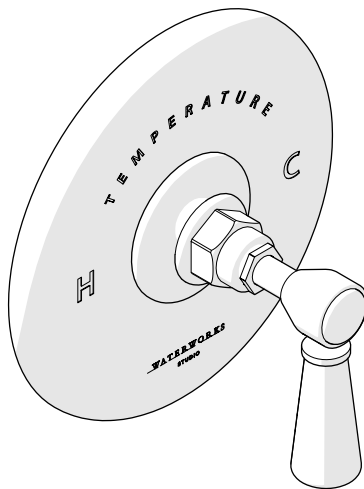
Thermostatic Control Valve Trim

INSTALLATION GUIDELINES

Metal Cross Handle
Style No. HGTH01



White Porcelain Lever Handle
Style No. HGTH10



SPECIFICATIONS:

Control Valve Rough-in Depth Minimum: 3-1/4"
Control Valve Rough-in Depth Maximum: 4-1/4"
Hot Limit Safety Stop: On Thermostatic Valve

REQUIRED PLUMBING DETAILS:

Universal 1/2" Thermostatic Valve
STYLE # GUTH56R
CODE # GUSV56R

IMPORTANT:

- To ensure this product is installed properly, you must read and follow these guidelines.
- The owner/user of this product must keep this information for future reference.
- This product is intended to work with the Waterworks Universal 1/2" Thermostatic Valve (GUTH56R) which features anti-scald protection. The risk of scalding exists until the installer has

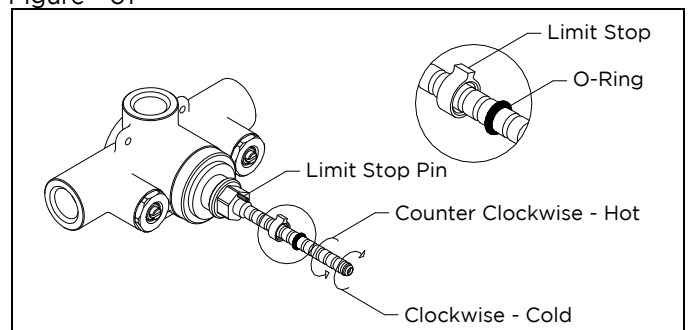
properly calibrated/adjusted the temperature setting and set the integrated high limit stop on the valve prior to final trim installation.

- Be sure your installation conforms to federal state, and local codes. In the State of Massachusetts, all installations must comply with the rules and regulations set forth within 248 CMR.
- This product must be installed by a professional licensed contractor.
- Refer to the specifications and assembly drawings attached. Product is sold partially assembled but shown fully disassembled for illustrative and service purposes only.
- Inspect this product to ensure you have all the parts required for proper installation.
- This product must be on-site prior to rough-in which allows the installer to visualize the installation.
- Use only a strap wrench or protected/smooth-jaw wrench on any finished surface.

TEMPERATURE CALIBRATION:

- The risk of scalding exists until the installer has properly calibrated/adjusted the temperature setting prior to final trim installation.
1. Remove the tile guard and threaded tube. Slide the o-ring and limit stop up on the cartridge stem. **DO NOT REMOVE OR DAMAGE THE O-RING.** See Figure-01.

Figure - 01



2. Turn on the water supply and a wall valve to run water through the thermostatic valve.
3. Slowly rotate the cartridge stem clockwise to attain full cold then rotate it counter-clockwise to attain full hot. Verify a full range of temperature exists. **NOTE:** It is approximately 3/4 of a rotation from full cold to full hot.
4. With the water running, rotate the cartridge stem to the adjust the temperature to the maximum desired bathing temperature, verified with a thermometer.

These guidelines have been prepared for the professional contractor to aid in the installation of: **HIGHGATE THERMOSTATIC CONTROL VALVE TRIM WITH METAL CROSS HANDLE (STYLE# HGTH01) & PORCELAIN LEVER HANDLE (STYLE# HGTH10).** All dimensions are based on original specification and are subject to change and variation. Please consult your Design Associate for current specifications.

WATERWORKS
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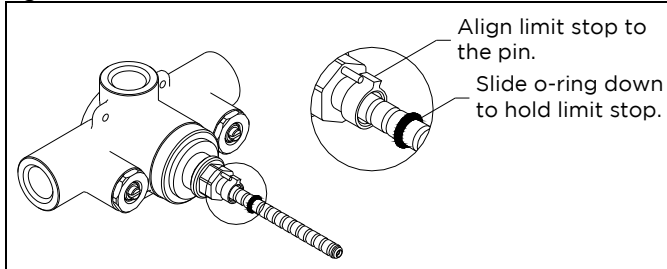
HIGHGATE

Thermostatic Control Valve Trim

INSTALLATION GUIDELINES

- Slide the limit stop back onto the cartridge stem, making sure to properly align it with the pin on the cartridge bonnet. Slide the o-ring back to its original position to prevent the limit stop from sliding off the stem then turn the water off. See Figure-02

Figure - 02



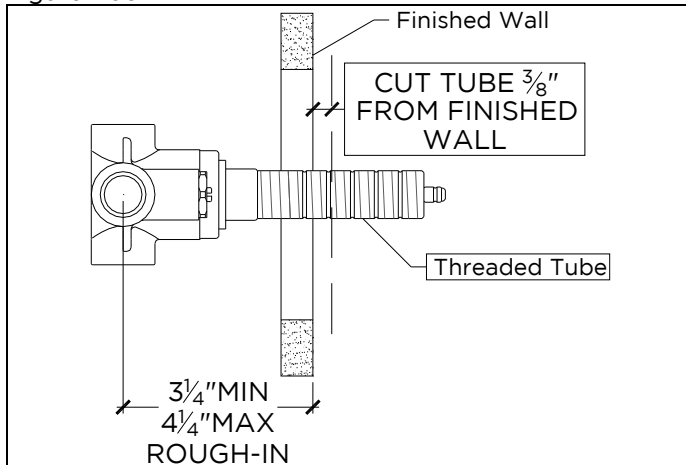
INSPECT THE CALIBRATION:

- Turn the cartridge stem clockwise then turn the water on and confirm the limit stop is functioning properly by turning the stem counter-clockwise until the limit stop prevents further rotation.
- Verify the temperature to be the max temperature set in Step 4. If it is not the correct temperature, repeat the calibration process.

TRIM PLATE INSTALLATION:

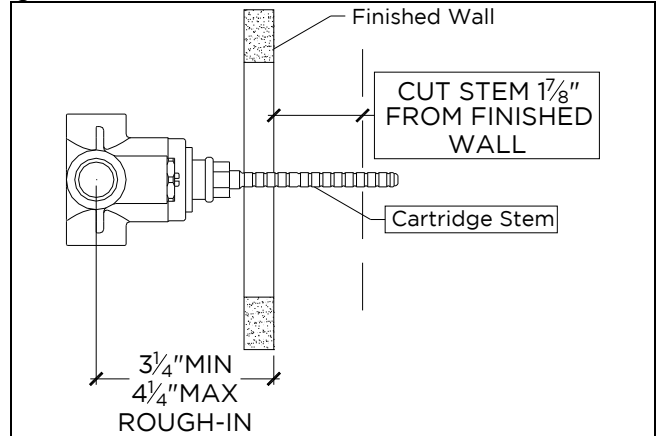
- Re-install the threaded tube and make a mark on the tube that is 3/8" from the surface of the finished wall.
- Remove the tube then cut the tube at the mark made in Step 8. DO NOT cut the end of the tube with the internal threads. See Figure-03.

Figure - 03



- Mark then cut the cartridge stem 1-7/8" from the surface of the finished wall. See Figure-04.

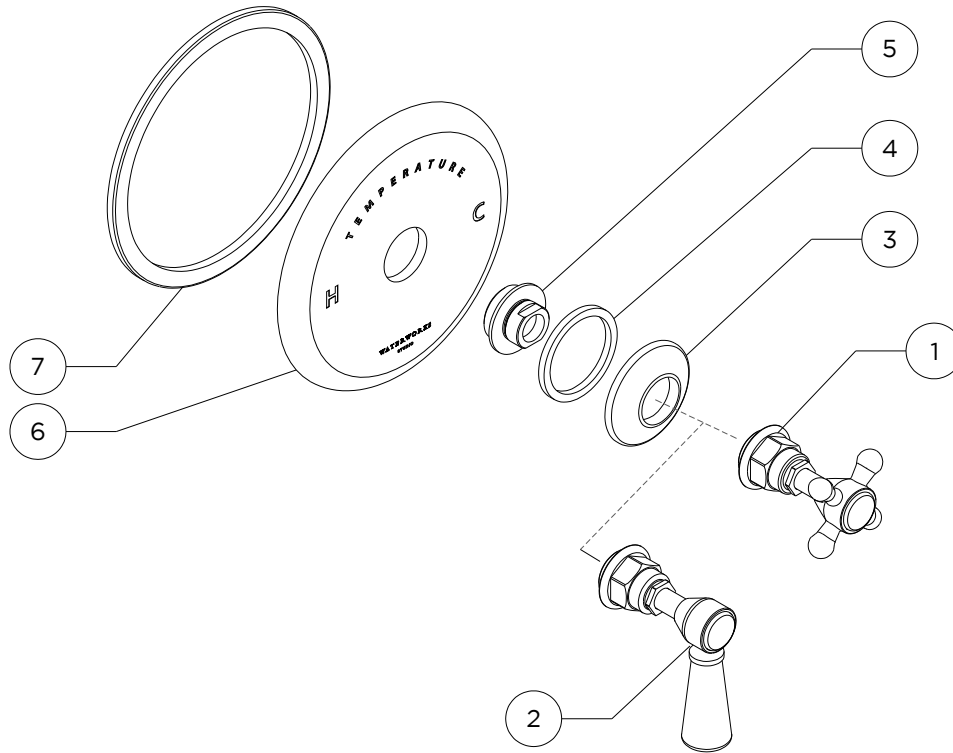
Figure - 04



- Re-install the threaded tube onto the valve.
 - Hold the trim plate (6) against the finished wall and thread the trim connector (5) onto the threaded tube and securely tighten to hold the trim plate against the finished wall.
 - Hold the escutcheon (3) against the trim plate making sure the washer (4) is behind the escutcheon.
 - Thread the handle gland cover (1 or 2) onto the trim connector (5) to secure the escutcheon against the plate, making sure the handle is in the correct orientation when fully threaded down.
- If further assistance is required, please contact Product Support at 1-800-927-2120 (9am-6pm EST).

These guidelines have been prepared for the professional contractor to aid in the installation of: HIGHGATE THERMOSTATIC CONTROL VALVE TRIM WITH METAL CROSS HANDLE (STYLE# HGTH01) & PORCELAIN LEVER HANDLE (STYLE# HGTH10). All dimensions are based on original specification and are subject to change and variation. Please consult your Design Associate for current specifications.

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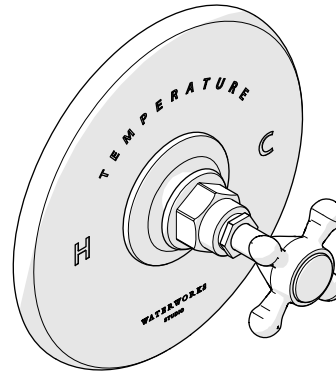
		Description	QTY
HGTH01 (CROSS HANDLE)	1	Metal Cross Handle Assembly	1
HGTH10 (LEVER HANDLE)	2	White Porcelain Lever Handle Assembly	1
COMMON PARTS	3	Escutcheon	1
	4	Rubber Washer	1
	5	Trim Connector	1
	6	Trim Plate	1
	7	Gasket	1

These guidelines have been prepared for the professional contractor to aid in the installation of:
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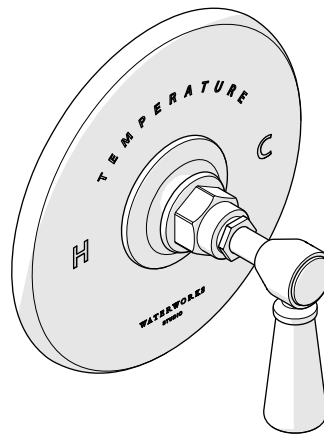
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SERVICE PARTS



STYLE HGTH01

Highgate Thermostatic Control Valve Trim with Metal Cross Handles



STYLE HGTH10

Highgate Thermostatic Control Valve Trim with White Porcelain Lever Handles

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Order by part number and specify color, finish, or other options if required.

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Our Product Support team provides troubleshooting and technical problem resolution, including replacement parts and installation recommendations throughout the life of your product.

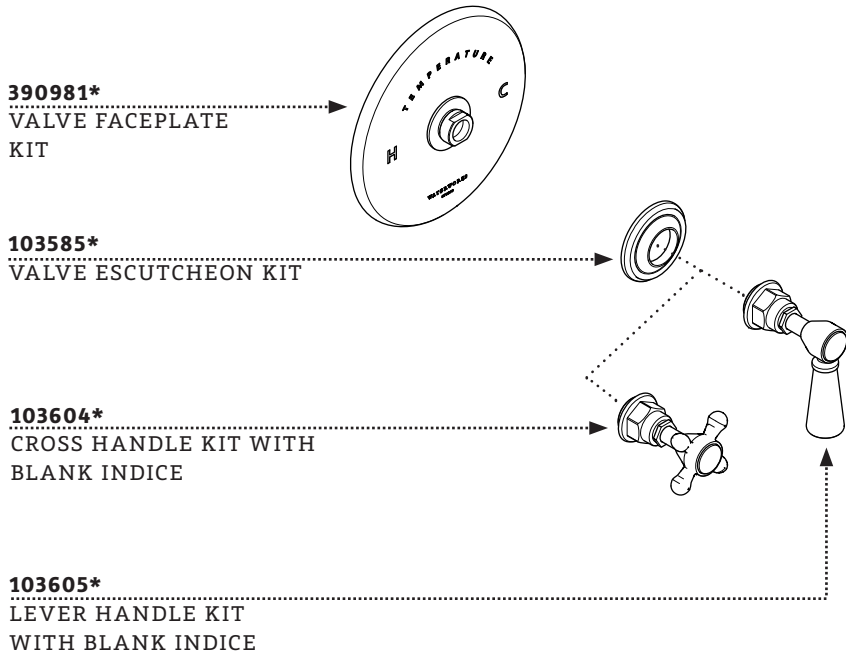
Product Support is available Monday through Friday 8AM to 6PM EST.

**LIMITED LIFETIME
WARRANTY**

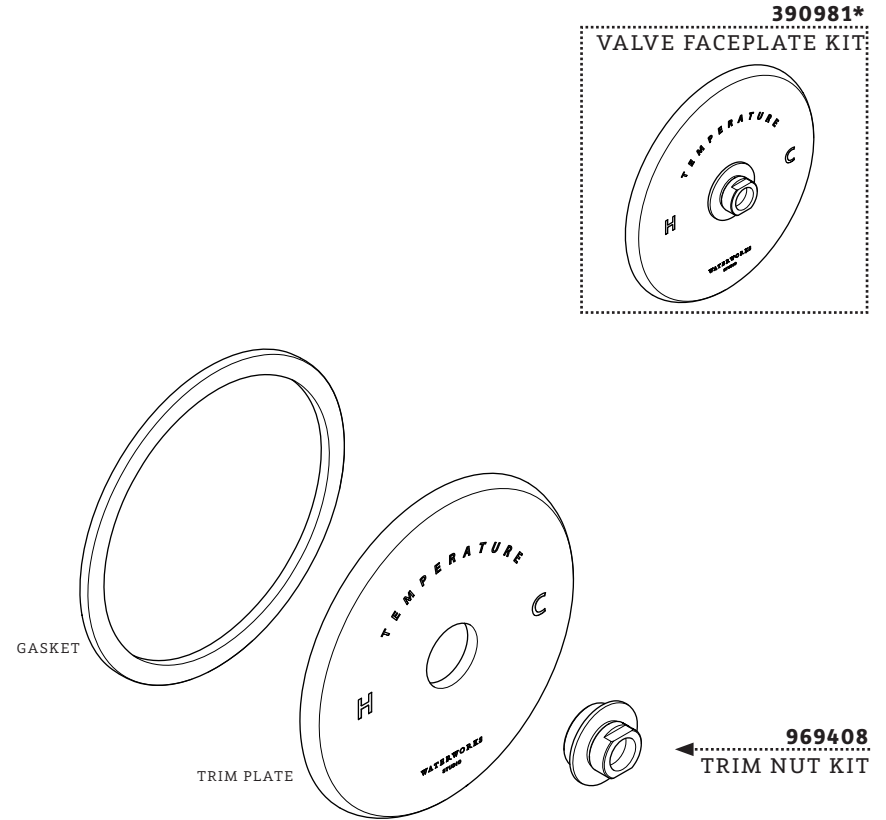
Our warranty covers repair and replacement of Waterworks products if within the applicable coverage period and deemed defective by Waterworks. Waterworks will, at its option, repair or replace such products; this does not include installation costs, labor charges, or other incidental or consequential costs.

To obtain your complete warranty or inquire about warranty service, please visit us at www.waterworks.com or contact our Product Support Team.

MAIN KITS

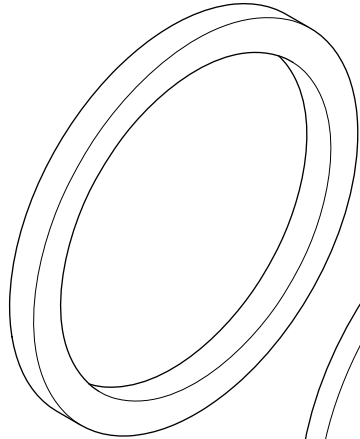


KIT COMPONENTS

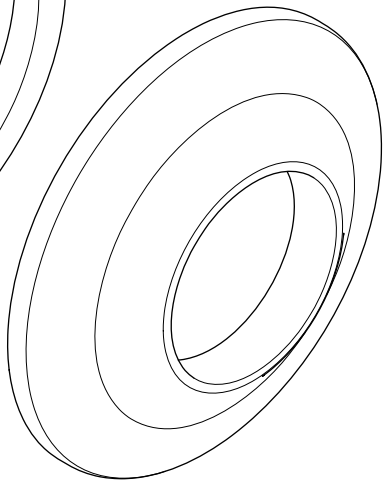


KIT COMPONENTS

103585*



RUBBER WASHER



ESCUTCHEON

*FINISH/COLOR MUST BE SPECIFIED WHEN ORDERING
++SUPPLIED AS A PAIR

SERVICE PARTS INDEX

<u>STYLE</u>	<u>DESCRIPTION</u>	<u>PG</u>
103604*	CROSS HANDLE KIT	2
103605*	LEVER HANDLE KIT	2
969408	TRIM NUT KIT	3
103585*	VALVE ESCUTCHEON KIT	4
390981*	VALVE FACEPLATE KIT	3



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