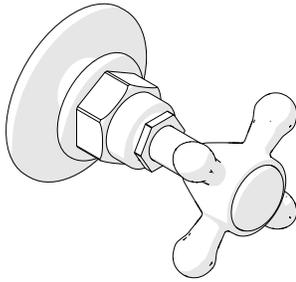


# HIGHGATE

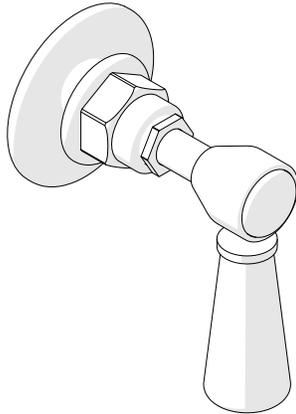
Volume Control Valve Trim

# INSTALLATION GUIDELINES

Metal Cross Handle  
Style No. HGVC40



White Porcelain Lever Handle  
Style No. HGVC50



### SPECIFICATIONS:

Volume Control Valve Rough-in Depth:

**GUV18R (GUSV18R) or GUV19R (GUSV19R):**  
3-1/4" MIN - 4-1/4" MAX

2-Way Diverter with Shutoff Valve Rough-in Depth:

**GUDV14R (GUSV14R):** 3-1/4" MIN - 4-1/4" MAX

2-Way Diverter without Shutoff Valve Rough-in Depth:

**GUDV23R (GUSV23R):** 2-5/8" MIN - 3-5/8" MAX

### REQUIRED PLUMBING DETAILS:

Universal 1/2" Volume Control Valve (Clockwise Close)

**STYLE No. GUV18R**

**CODE No. GUSV18R**

Universal 1/2" Volume Control Valve (Counter-Clockwise Close)

**STYLE No. GUV19R**

**CODE No. GUSV19R**

Universal 2-Way Diverter with Shutoff Valve

**STYLE No. GUDV14R**

**CODE No. GUSV14R**

Universal 2-Way Diverter without Shutoff Valve

**STYLE No. GUDV23R**

**CODE No. GUSV23R**

### IMPORTANT:

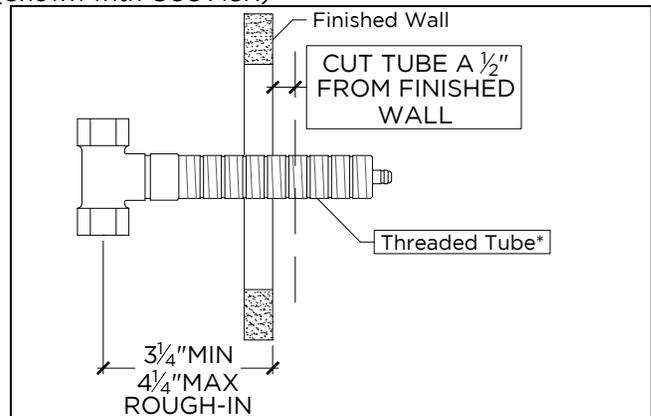
- To ensure this product is installed properly, you must read and follow these guidelines.

- The owner/user of this product must keep this information for future reference.
- Anti-scald protection is the responsibility of the installer and according to applicable codes.
- 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.
- Wall valves control on/off/volume and must be installed for each fitting that will have water flowing to it. If using a wall valve with the Universal 1/2" Thermostatic Valve (Style No. GUTH56R), refer to the Installation Guidelines for the Thermostatic Valve which contains related installation information.
- This product must be installed by a professional licensed contractor and must be on-site prior to rough-in. This allows the installer to visualize the installation. .
- 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.
- Use only a strap wrench or protected/smooth-jaw wrench on any finished surface.

### TRIM INSTALLATION WITH CONTROL VALVE:

1. Remove the tile guard and make a mark on the tube that is a 1/2" from the surface of the finished wall.
2. Remove then cut the tube at the mark made in Step 1. DO NOT cut the end of the tube with the internal threads. See Figure-01

Figure - 01  
(Shown with GUSV18R)



3. Mark then cut the cartridge stem 1-3/8" from the surface of the finished wall. See Figure - 02.

These guidelines have been prepared for the professional contractor to aid in the installation of:  
**HIGHGATE VOLUME CONTROL VALVE TRIM WITH METAL CROSS HANDLE (STYLE# HGVC40) & PORCELAIN LEVER HANDLE (STYLE# HGVC50)**  
 All dimensions are based on original specification and are subject to change and variation. Please consult your Design Associate for current specifications.

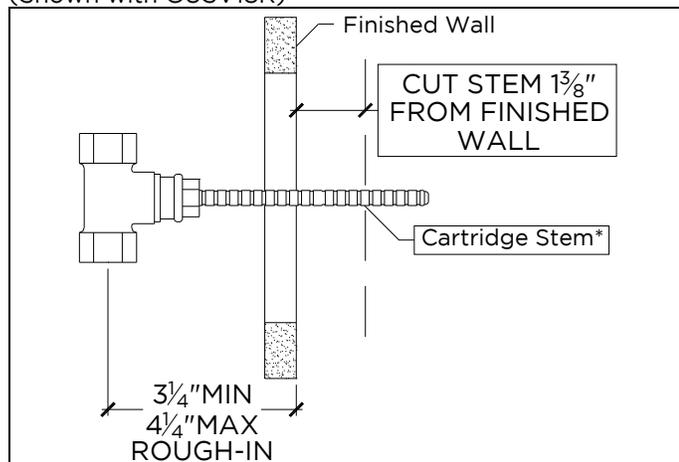
**WATERWORKS**  
STUDIO

# HIGHGATE

Volume Control Valve Trim

# INSTALLATION GUIDELINES

Figure - 02  
(Shown with GUSV18R)



4. Re-install the threaded tube onto the valve.
5. Hold the escutcheon (3) to the finished wall then thread the handle gland cover onto the threaded tube to hold the escutcheon against the finished wall. Make sure the washer (4) is behind the escutcheon.

### TRIM INSTALLATION WITH DIVERTER VALVE:

6. Remove the tile guard and make a mark on the tube that is 5/8" from the surface of the finished wall.
  7. Remove the tube then cut the tube at the mark made in Step 6. DO NOT cut the end of the tube with the internal threads. See Figure-03.
  8. Mark then cut the cartridge stem 1-1/2" from the surface of the finished wall. See Figure-04.
  9. Re-install the threaded tube onto the valve.
  10. Hold the diverter plate<sup>†</sup> (SOLD SEPARATELY) and escutcheon (3) to the finished wall then thread the handle gland cover (1 or 2) onto the threaded tube to hold the escutcheon and plate against the finished wall. Make sure the washer (4) is behind the escutcheon.
- **If further assistance is required, please contact Product Support at 1-800-927-2120 (9am-6pm EST).**

Figure - 03  
(Shown with GUSV14R)

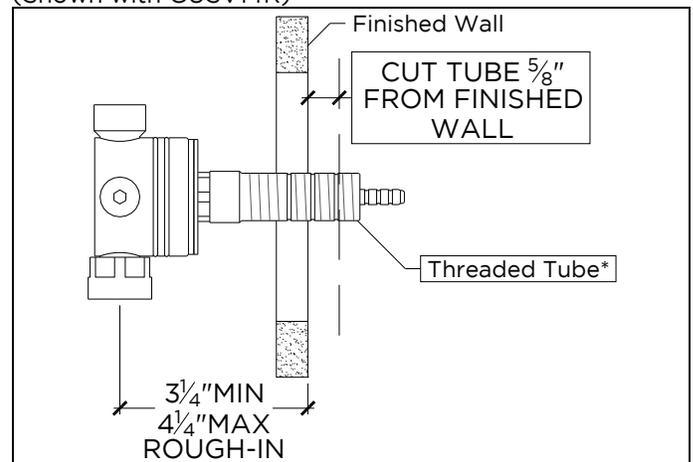
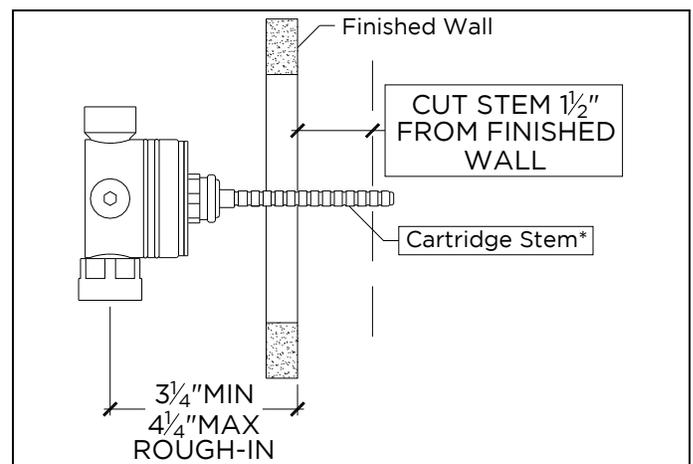


Figure - 04  
(Shown with GUSV14R)



\* If required, a 1" stem extension is available.

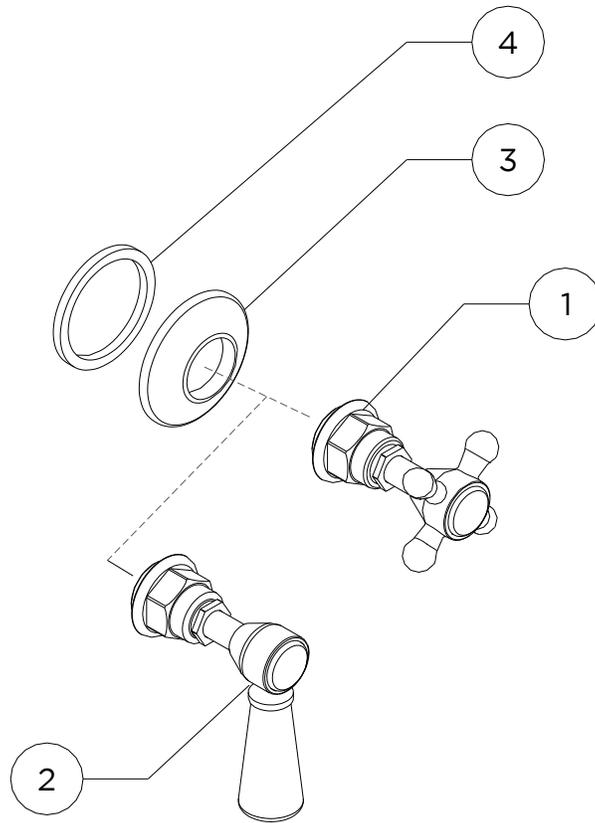
**Style No. 890831**  
**Item No. 29-72873-53591**

† **GUSV14R** requires the 2-Way Thermostatic Diverter Valve Trim (Plate Only): **Style No. UNDV00**

**GUSV23R** requires the 2-Way Pressure Balance Diverter Valve Trim (Plate Only): **Style No. UNDV10**

These guidelines have been prepared for the professional contractor to aid in the installation of:  
HIGHGATE VOLUME CONTROL VALVE TRIM WITH METAL CROSS HANDLE (STYLE# HGVC40) &  
PORCELAIN LEVER HANDLE (STYLE# HGVC50)  
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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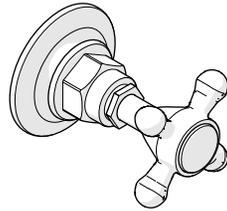
		Description	QTY
HGVC40 (CROSS HANDLE)	1	Metal Cross Handle Assembly	1
HGVC50 (LEVER HANDLE)	2	White Porcelain Lever Handle Assembly	1
COMMON PARTS	3	Escutcheon	1
	4	Rubber Washer	1

These guidelines have been prepared for the professional contractor to aid in the installation of:  
**HIGHGATE VOLUME CONTROL VALVE TRIM WITH METAL CROSS HANDLE (STYLE# HGVC40) & PORCELAIN LEVER HANDLE (STYLE# HGVC50)**  
 All dimensions are based on original specification and are subject to change and variation.  
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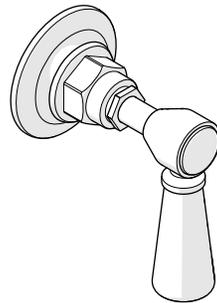
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## SERVICE PARTS



**STYLE HGVC40**

Highgate Volume Control Valve Trim with Metal Cross Handles



**STYLE HGVC50**

Highgate Volume 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.

**Product Support**

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.

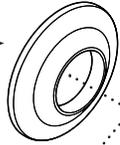
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Our warranty covers repair and replacement of Waterworks products if within the applicable coverage period and deemed defective by Waterworks. Waterworks will, at its option, repair or replace such products; this does not include installation costs, 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](http://www.waterworks.com) or contact our Product Support Team.

**MAIN KITS**

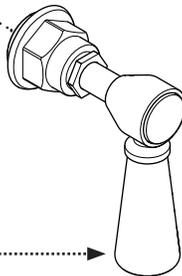
**103585\***  
VALVE ESCUTCHEON KIT



**103604\***  
CROSS HANDLE KIT WITH  
BLANK INDICE

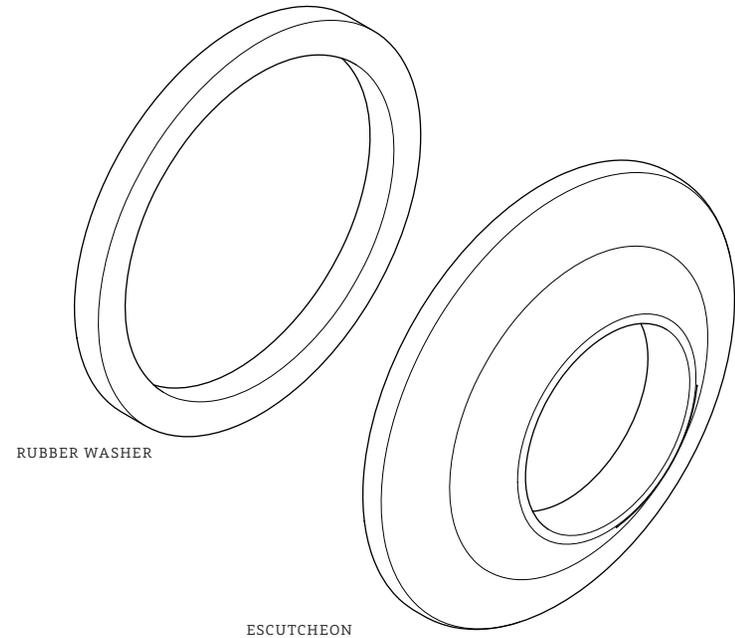
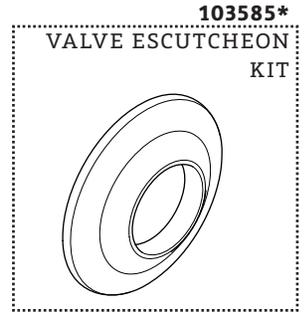


**103605\***  
LEVER HANDLE KIT WITH  
BLANK INDICE



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

**KIT COMPONENTS**



**SERVICE PARTS INDEX**

<u>STYLE</u>	<u>DESCRIPTION</u>	<u>PG</u>
103604*	CROSS HANDLE KIT WITH BLANK INDICE	2
103605*	LEVER HANDLE KIT WITH BLANK INDICE	2
103585*	VALVE ESCUTCHEON KIT	3

**NOTES**



WATERWORKS  
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**PRODUCT SUPPORT**  
60 BACKUS AVENUE  
DANBURY, CT 06810  
1 (800) 927-2120 (EXT 2)  
[WWW.WATERWORKS.COM/STUDIO](http://WWW.WATERWORKS.COM/STUDIO)