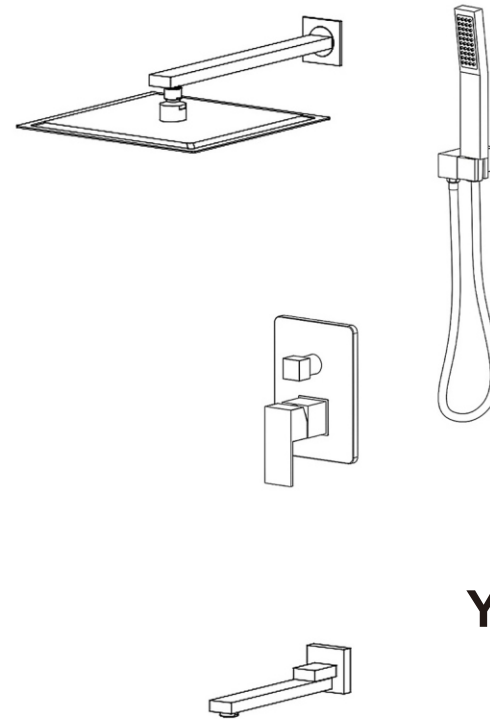


User's Manual



INSTALLATION INSTRUCTIONS

Installation Instructions For Wall Faucet



Yb0844

IAPMO RESEARCH AND TESTING, INC.
 5001 East Philadelphia Street, Ontario, California 91764-3104 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org

ANSI **IAPMO** **UPC**

CERTIFICATE OF LISTING

Effective Date: August 2013 **Valid Through:** August 2014

Product: Plumbing Fixtures Fittings **File No.:** 4737

Issued To: Rainbow Heat Cartridge Co., Ltd.
 201-21 Wallace Way Blvd.
 Shelton, CT, 06484
 Shelton, CT, 06484

Identifications: Plumbing supply fittings complying with this standard shall be marked with the manufacturer's recognized name, trademark, or other mark or, in the case of private labeling, the name, trademark or other mark of the customer for whom the fitting was manufactured. The marking shall be accomplished by use of a permanent mark or by placing a permanent label on the product. Markings on plumbing supply fittings shall be visible after installation.

Markings: Single-handle, single-control, and automatic compressing mixing bath and shower valves shall have identifiable temperature control markings in which the settings are indicated by words "Hot", "Warm", "Hot", "Hot", "Hot", or "Hot".

Products: Markings shall be marked with the manufacturer's name, trademark, or other mark as well as the model number or, in the case of private labeling, the name, trademark, or mark of the customer for whom the fitting was manufactured as well as the model number.

David McHenry
 Chairman, Product Certification Committee

Ron Channing
 CEO, The IAPMO Group

UPC

IAPMO RESEARCH AND TESTING, INC.
 5001 East Philadelphia Street, Ontario, California 91764-3104 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org

ANSI **IAPMO** **UPC**

CERTIFICATE OF LISTING

Effective Date: October 2014 **Valid Through:** October 2017

Product: Faucets Water Connectors **File No.:** 4738

Issued To: Tahan (Liang) Plumbing Home & Bath Co., Ltd.
 Parkway Industry Zone
 Zhongshan 311100,
 China

Identifications: Manufacturer's name or trademark and IAPMO certification mark. Special note on label: "For use with water in exposed locations only."

Characterization: Finishable water connector manufactured in various sizes, lengths and metal and fittings for use in cold water applications that consist of an inner tube, which may or may not have an outer braided cover. Components are to be installed for use in residential installations only and in accordance with the manufacturer's instructions, and the latest edition of the Uniform Plumbing Code.

Products: Products listed on this certificate have been tested by an IAPMO RPT recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following codes:
 Uniform Plumbing Code (UPC)

David McHenry
 Chairman, Product Certification Committee

Ron Channing
 CEO, The IAPMO Group

UPC

IAPMO RESEARCH AND TESTING, INC.
 5001 East Philadelphia Street, Ontario, California 91764-3104 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org

ANSI **IAPMO** **UPC**

CERTIFICATE OF LISTING

Effective Date: November 2014 **Valid Through:** November 2017

Product: Plumbing Fixtures Fittings **File No.:** 4739

Issued To: Regent Inc.
 171 Westwood Heights
 Berkeley, CA 94705

Identifications: Each fitting component shall bear permanent legible markings to identify the manufacturer. This marking shall be the trade name, trademark, or other mark known to identify the manufacturer. The product shall also bear all other markings required by the standard. The marking shall be located where it can be readily seen after installation or complete. The product or packaging shall also bear the IAPMO certification mark.

Characterization: Plumbing fixture fitting components to be installed in accordance with the manufacturer's instructions and the requirements of the latest edition of the Uniform Plumbing Code.

Products: Products listed on this certificate have been tested by an IAPMO RPT recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following codes:
 Uniform Plumbing Code (UPC)
 National Plumbing Code of Canada

David McHenry
 Chairman, Product Certification Committee

Ron Channing
 CEO, The IAPMO Group

UPC

INSTALL THE SHOWER

1. Use clean water and soft cloth to remove the dirt film on the surface as much as possible;
2. Use any of the following detergents to remove surface dirt and fouling film:
 - Mild liquid cleaner.
 - Colorless glass cleaner, powder cleaner without abrasive and completely soluble (and not mixed according to fingers).
 - Polishing fluid without wearing effect
3. Please remove all detergent with clear water and dry it with soft cotton cloth after cleaning.

6. Misuse and solutions:

1. No hot water:

(1) Set the thermostatic mixer temperature above 38°C, but still no hot water:

a. The direction of cold and hot water supply pipes is opposite to thermostatic mixer.

Solution: change the direction of cold and hot water supply pipes to ensure to follow the principle of left hot right cold;

b. Residual cold water in hot water channel,

Solution: put away residual cold water before use;

c. There is no cold water entering the valve body due to the water supply pipeline being stopped or the cold water inlet being blocked.

Solution: clean the filter at the inlet to ensure the supply of cold water;

d. The hot water inlet is blocked, or there is no hot water supply source meeting the use conditions.

Solution: clean the filter at the inlet to ensure that the hot water supply meets the constant temperature use conditions.

(2) Set the thermostatic mixer temperature above 38 °C, but still no hot water:

a. the temperature of hot water supply does not reach above 55 °C, solution: increase the temperature of hot water source to ensure to meet the constant temperature conditions;

b. the water pressure of hot water supply fails to reach the constant temperature condition (the water pressure is not enough, which is commonly used by solar rooftop users or high-rise households).

Solution: for users with normal water pressure of cold water supply, it is recommended to replace the solar water heater with other water storage water heaters, and if the water pressure cannot meet the requirements of constant temperature mixer, it is suggested to add booster pump.. The hot water temperature of the water heater is generally higher than 100 °C, and the hot water temperature exceeds the limit temperature of the thermostatic mixer (the hot water temperature of the thermostatic faucet is between 55 °C - 85 °C), so that the thermostatic mixer cannot work normally.

2. The gas water heater is not on fire or stops for a while:the water temperature is fluctuated. The main reason is that the water heater sets a default value to meet its own requirements, so the water flow and temperature are not enough.

Solution: adjust the default value of the gas water heater factory setting to the conditions required by the thermostatic mixer water temperature can be used.

3. The electric water heater with the outlet water temperature of the thermostatic mixer is low. the main reason is that the temperature of the heater is generally set at about 50 °C when it leaves the factory, so the hot water for the thermostatic mixer will be low, solution: reset the hot water outlet temperature of the heater, and it is recommended to set it at about 60 °C.

4. There is water dripping at any interface of the faucet. Solution: tighten it slightly with tools at the interface or after wrapping the raw material belt at the thread.

5. Is there water dripping between shower head and hand shower?

Solution: the right water separator end of the thermostatic faucet is not closed properly. Try to close it to solve this problem.

Tip: constant temperature shower is the perfect match with electric water heater and air energy water heater.

