

# ROHL

Authentic Luxury for Kitchen and Bath®

www.rohlhome.com



## Rough Only for Thermostatic Without Volume Control

Rohl Country Bath Collection

### A4913BO

#### FEATURES

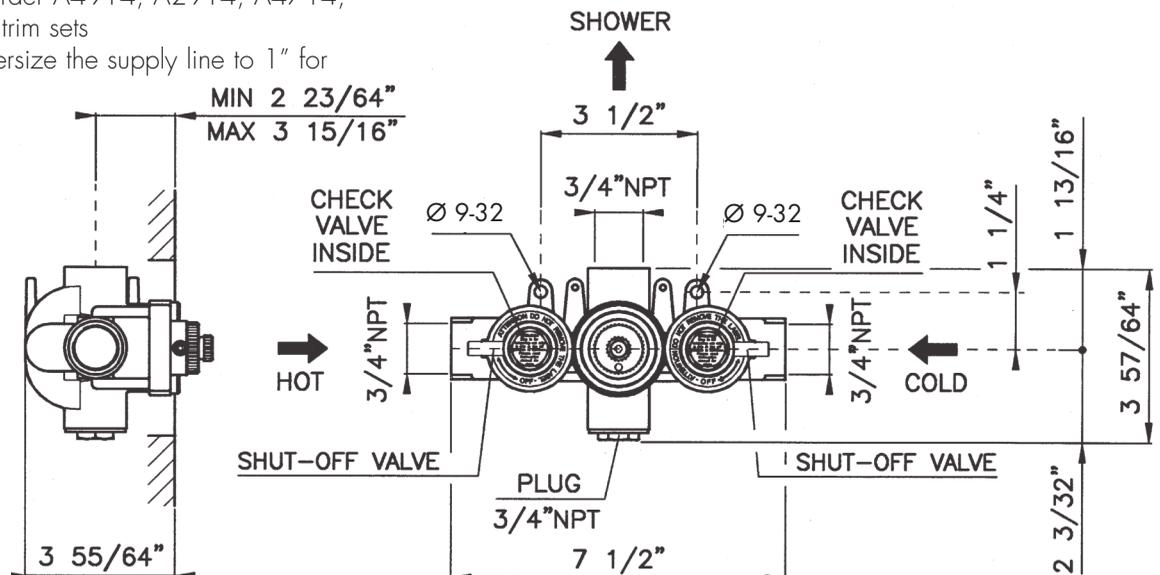
- 1/2-turn service stops with screens
- Bottom outlet for tub spout only
- Rough valve for thermostatic temperature/ NON-volume trim
- Temperature control only
- Flow rate 16 GPM at 45 PSI
- 3/4" inlets and 2 x 3/4" outlets
- Complete with mud guard for installation
- Standard 3/4" nipple required to plumb from top & bottom outlets (not supplied)
- To complete, must order A4914, A2914, A4714, A4814, or A4014 trim sets
- If PEX is utilized, oversize the supply line to 1" for full flow capacity

#### COLORS/FINISHES

N/A

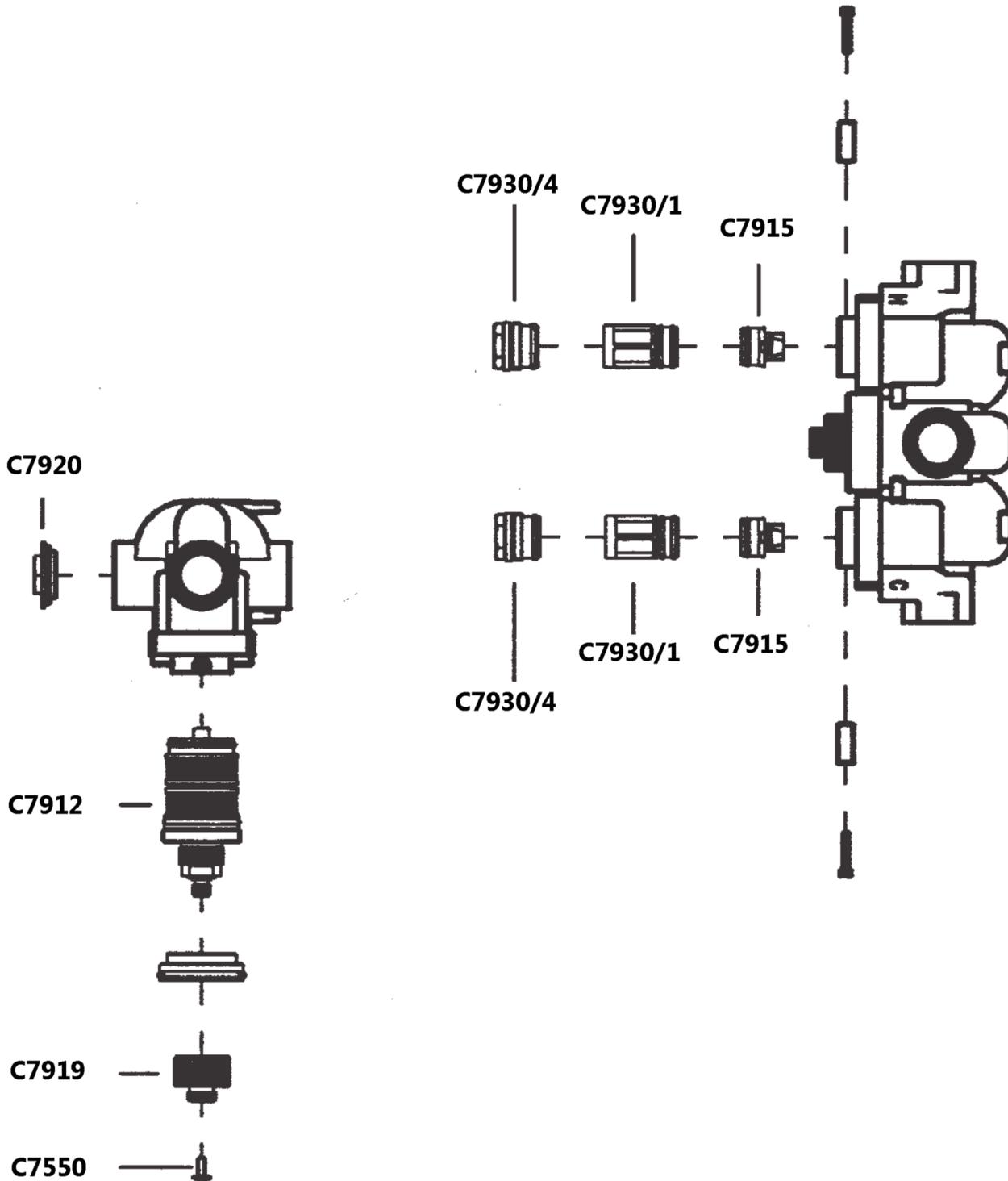
#### WARRANTY

- Limited Lifetime



Consult your local ROHL showroom for additional information and specifications. For complete warranty details and a list of showrooms, go to [www.rohlhome.com](http://www.rohlhome.com).

## A4913BO Spare Parts



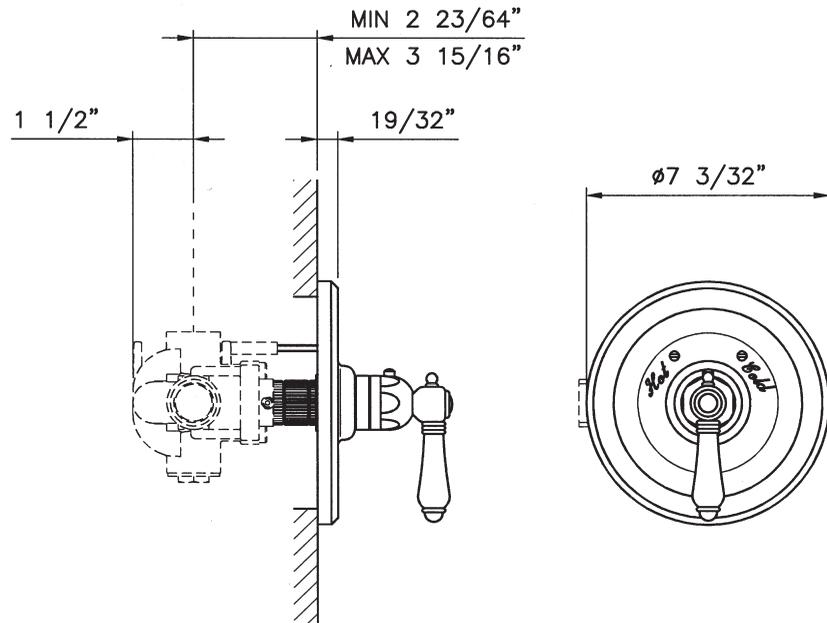
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## Installation Instructions

### A4913BO ROUGH VALVE and TRIM KIT A4914 A4814 A4714 A2914

#### General Warnings and notes

1. Warning: Must add volume control A4911BO for each function. This valve is not included in either package. One volume control and a diverted may also be used for multiple functions.
2. The bottom outlet is for volume control and tub filler only. Use of the bottom outlet and top outlet together will result in inconsistent temperature delivery.
3. The rough kit and trim kit are separate packages. You must order both for a complete package.
4. The rough has secondary stops for servicing only. Do not leave the valve unattended during servicing. Do not leave the service stops in the off position with the thermostatic cartridge removed for any longer than servicing is necessary. No longer than 15 minutes.



## Installation Instructions

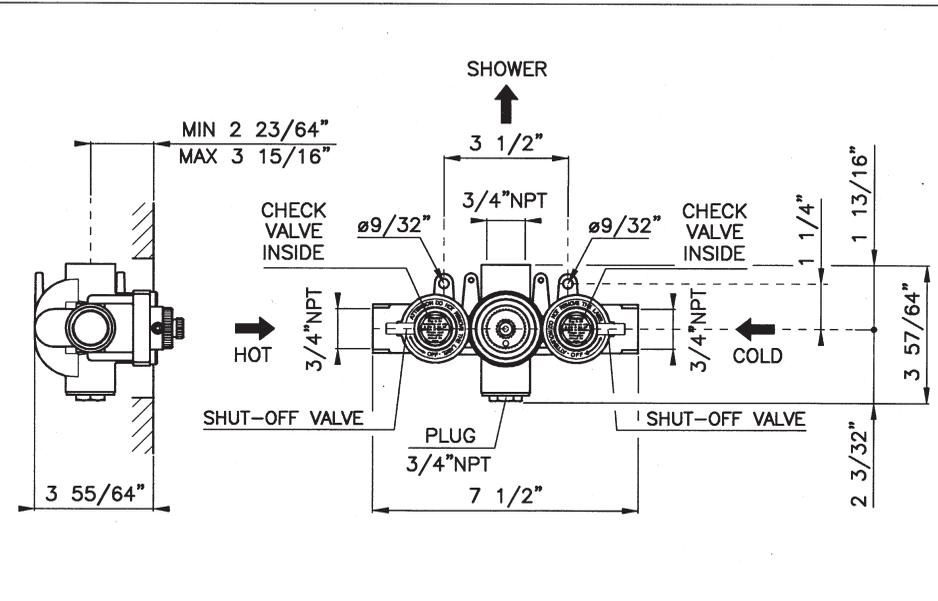
### SPECIFICATION AND ROUGH IN MEASUREMENTS

#### Installation of the Rough A4913BO

1. Hot will be on the left when viewed from the front. The screw receivers are on the top. Warning: The valve is port specific. Cold must be on the cold or 'C' port and hot must be on the hot or 'H' port.
2. Install volume controls where needed. THE A4913BO IS NOT AN OFF AND ON UNIT. VOLUME CONTROL ARE NECESSARY.
3. The mounting bracket should be utilized for stability
4. Leave the mudguard in place to protect the front of the valve.
5. Do not move the thermostatic setting. There is a red dot on the thermostatic spindle that will line up with a red dot on the body. If this is moved, manually set the valve for 100 degrees Fahrenheit with the lever at 6 O'clock. Temperature cartridge is pre-set at the factory.
6. Sweat connections are not recommended. Heating the valve may damage the cartridge, screens or/and one-way valves.
7. Flush the valve after installation. Service stops are included in the rough to assist in flushing and servicing the rough. Do not leave the valve unattended during servicing. Do not leave the service stops in the off position with the thermostatic cartridge removed for any longer than servicing is necessary. No longer than 15 minutes.
8. When installing 2 thermostatic valves in one area, the hot water supply must be dedicated to each valve. Sharing the hot water supply may result in inconsistent hot water delivery
9. CHECK THE INSTALLATION CAREFULLY FOR LEAKS AFTER INSTALLATION.  
If PEX is utilized, oversize the supply lines to 1 inch for full flow capacity

#### A T T E N T I O N

**DO NOT SOLDER THE CONNECTIONS OF THE THERMOSTATIC MIXER.**  
Failure to follow these directions may result in damage to the valve and loss of the warranty.



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## Installation Instructions

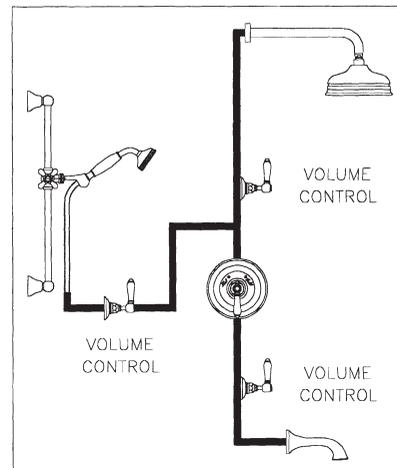
### TYPICAL DESIGN

Please note: Most installations are custom. This is a rough guide for plumbing a simple shower system.

**VOLUME CONTROL(S) A4911BO MUST BE ORDERED SEPARATELY !**

Pictured to the right is a typical thermostatic system:

1. There is one thermostatic valve A4913BO WITH TRIM KIT A4914.
2. There are three functions:
  - a. Showerhead
  - b. Hand shower
  - c. Tub filler
3. There are separate volume controls for each function.
- a. A high flow diverter A2700 is available, but you need one volume control at least to control a diverter system.
4. The bottom outlet is for volume control and tub filler only. Use of the bottom outlet and top outlet together will result in inconsistent temperature delivery.



**SYSTEM REQUIREMENTS:**

1. 50 PSI is recommended if you run 2 outlets at once.
2. Water heater capacity: 100 gal recommended. The valve runs at 16 gallons per minute (gpm). For on demand water heater systems, we recommend a 25 gallons standard water heater plumbed in line for consistent temperature delivery.
3. Body sprays should be installed in a loop for consistent flow.
4. A larger drain may be necessary if 2 or more valves are in one shower.
5. Well systems must have consistent flow and pressure for the valve to operate properly. Fluctuating pressure will cause inconsistent temperature delivery. Check your system requirements before installation.

If PEX is utilized, oversize the supply lines to 1 inch for full flow capacity

### TECHNICAL INFORMATION

RECOMMENDED HOT WATER SUPPLY FROM WATER HEATER: 140 F  
 MINIMUM: 118.4 F MAXIMUM: 185 F

RECOMMENDED PRESSURE REQUIREMENTS: 43 PSI  
 MINIMUM: 15 PSI MAXIMUM: 72 PSI

IMPORTANT: THE WATER PRESSURE ON THE HOT AND COLD SUPPLIES MUST BE THE SAME PRESSURE OR THE VALVE WILL NOT MIX HOT AND COLD WATER PROPERLY. MAXIMUM PRESSURE DIFFERENCE BETWEEN HOT AND COLD IS 15 PSI.

FLOW RATE: 16 GPM AT 40 PSI

FACTORY SETTING OF THERMOSTATIC CARTRIDGE: 100.4 F  
 CARTRIDGE MUST BE MANUALLY SET ON INSTALLATION BEFORE INSTALLATION OF THE TRIM PLATE. SEE INSTALLATION INSTRUCTION SECTION.  
 ANY MOVEMENT OF THE SPINDLE BEFORE INSTALLATION OF THE TRIM MAY CAUSE IMPROPER TEMPERATURE DELIVERY

CONNECTIONS: 3/4" NPT If PEX is utilized, oversize the supply lines to 1 inch for full flow capacity

THERE ARE PRIMARY SCREENS ON THE HOT AND COLD INLETS TO PROTECT THE CARTRIDGE FROM DEBRIS.

## Installation Instructions

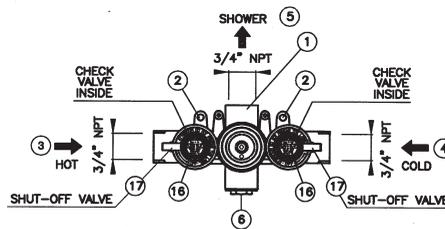
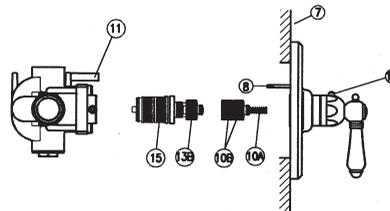
### INSTALLATION THE TRIM PLATE A4914

Note: The trim is assembled out of the box. The only loose parts are:

1. The finished screws for installation of the plate C7539.
2. The trim plate gasket C7921.
3. The C7913SET extension kit.

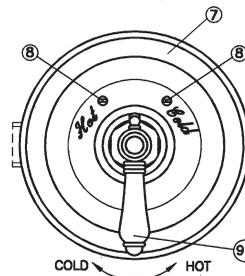
Installation:

1. Install the screw extension C7914 or 11.
2. Install the C7913SET as shown or 10B with the spring C7597.2 or 10A.
3. Remove the adhesive backing and install the gasket C7921 to the back of the faceplate.
4. Verify the red dot on the C7919 or 13B is lined up with the red dot on the body of the valve. Not pictured.
- a. Please note: this is the most common fault of installation. Verify the cartridge is at the correct position. Re-set the cartridge if you are unsure of the correct setting.
5. Put the thermostatic lever 9B at 6 O'clock on the face plate 7. Place the faceplate on the valve with the appropriate extensions from C7913SET if necessary on the brass spindle. This is determined by the valve depth in the wall. Not all extensions may be necessary.
6. Install the screws C7539 or 8.
7. Test the valve.



### OPERATION OF VALVE

- WITH THE HANDLE IN THE 6 O'CLOCK POSITION (9B), THE VALVE SHOULD RUN AT 100.4 F.
- PUSHING THE HOT LIMIT STOP (12) IN AND ROTATING THE HANDLE COUNTER CLOCKWISE, THE WATER WILL GET WARMER.
- MOVING THE HANDLE CLOCKWISE WILL PRODUCE COOLER WATER.



## Installation Instructions

### CARE AND MAINTENANCE

#### Cleaning the filtration system

- i. To clean the filters if there is low flow or low temperature:
1. Set the volume control to off position.
  2. Place the thermostatic lever at 6 o'clock.
  3. Remove the plate by removing the 2 screws C7539. Be careful to retain all parts.
  4. Turn the hot and cold supplies off: See "Using the service stops".
  5. Remove the inner nut to extract the filter.
  6. Flush the filters.
  7. Flush the lines to remove any debris.
  8. Reverse the steps to re-assemble.

#### Changing thermostatic control cartridge

- i. To change the thermostatic control cartridge:
1. Set the volume control to off position.
  2. Place the thermostatic lever at 6 o'clock.
  3. Remove the plate by removing the 2 screws C7539. Be careful to retain all parts.
  4. Turn the hot and cold supplies off: See "Using the service stops".
  5. Remove the thermostatic control cartridge.
  6. Install the new thermostatic cartridge.
  7. Turn the hot and cold supplies on: See "Using the service stops".
  8. To calibrate the thermostatic cartridge:
    - a. With the faceplate off, turn the volume control on to one of the functions.
    - b. With a thermometer, turn the cartridge control counter clockwise until you get 100.4 degrees Fahrenheit at the outlet. Do not over twist the cartridge. There are internal stops that can be broken if it is turned beyond the stop.
    - c. Turn the water off.
  9. Reverse the steps to re-assemble.

#### Care and use for finishes

Country Bath Products are all authentic finishes that have not been coated with any product.

After each use, pat the fixture down to remove any excess water. This will prevent any water spotting or mineral build-up. Use only soft liquid soap and water to clean the surface. Use a soft brush to clean any gaps. Avoid any products that have ammonia or alcohol like Windex, 409 or Fantastik. These products can damage the finish leaving black or white spots. Never use an abrasive product like Softscrub, Comet, Ajax or Bon Ami.

For deep polishing we recommend Bruno's Wax for all finishings.

Tuscan Brass is a living finish and has no warranty. It will lighten with use. To extend the life of the finish, apply Bruno's Wax by patting it on, letting it dry and patting it off. Never rub or buff this finish.

## Installation Instructions

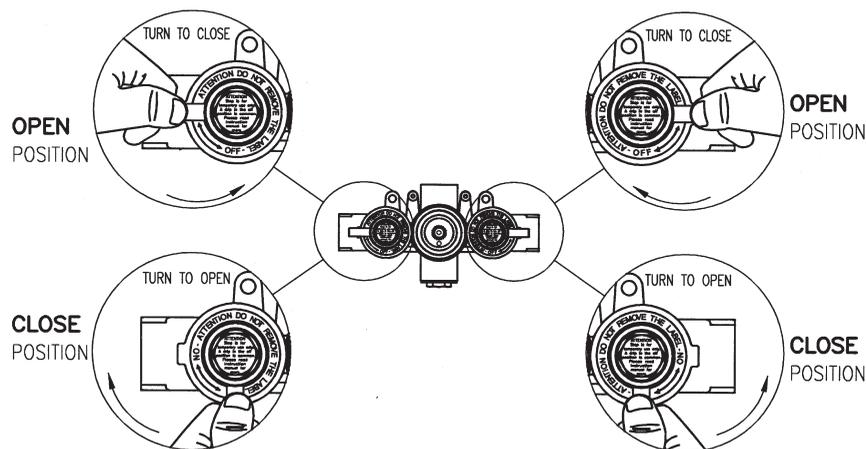
### SERVICING

#### Using the service stops

THE SHUT-OFF VALVE IS NOT A STOP COCK, BUT ONLY A VALVE THAT ALLOWS TEMPORARY SHUT-OFF FOR MAINTENANCE OPERATIONS LIKE FILTER CLEANING, FLUSHING THE VALVE AND CARTRIDGE REPLACEMENT

Do not leave the valve unattended during servicing. Do not leave the service stops in the off position with the thermostatic cartridge removed for any longer than servicing is necessary. No longer than 15 minutes.

When the valve is closed, you could notice a slight drip. This is normal. DO NOT ALLOW THE WATER TO COLLECT IN THE WALL CAVITY. FUNNEL THE WATER AWAY FROM THE INNER WALL CAVITY TO THE SHOWER STALL.



#### ATTENTION:

Stop is for temporary use only. Do not leave valve unattended when stop is in the off position. If leaking, rotate stop one full turn to lubricate the stop. A drip in the off position is common. Call 800.777.9762 if problem persists. Do not replace the valve. The stop valve can be replaced if the problem does not stop in the open position.

### WARRANTY

Country Bath Collection has a limited lifetime warranty.

"Warranty Exclusion: This warranty is for normal domestic use only and excludes defect or injury caused by or resulting from misuse, abuse, neglect, accidental damage or improper installation". There is no warranty on the finish Tuscan Brass.

## Installation Instructions

### TROUBLESHOOTING

	INDICATION OF MALFUNCTION	CAUSE OR DIAGNOSIS	POSSIBLE REMEDIES	FURTHER ATTENTION	
1	The water does not get hot enough, but there is variation in temperature.	The pre-set temperature is too low. Verify with the face plate off, to test the cartridge, by rotating the stem counter clockwise all the way for the hottest setting.	Remove the faceplate and re-set the valve according to the instructions.	Don't automatically change the cartridge.	The cartridge setting was moved during installation
2	The water does not get cold enough, but there is variation in temperature.	The pre-set temperature could be too high. With standard setting, absolute cold is not possible.	Remove the faceplate and re-set the valve according to the instructions.	Don't automatically change the cartridge.	If you lower the setting to get colder water, you could get less hot water.
3	On the cold setting, there is hot water, and on the hot setting, there is cold water. There is no mix of hot and cold at all.	The lines could be reversed. <u>The plumber must make this decision.</u>	The valve is port specific. The hot supply must be on the left and cold on the right as you face the valve. Have the plumber verify by feeling the pipes, or removing the cartridge, that the water lines are reversed before switching the lines.	Switching the pipes can be expensive. The diagnosis must be done at the home.	
4	The water temperature does not change when the handle is moved.	The cartridge stem is not contacting the handle assembly.	3 possible things might have happened: 1. You may need an extension kit. 2. The brass adaptor C7919 may be missing. 3. The cartridge might be faulty.	Don't automatically change the cartridge.	
5	After a period of time, the water gets cold. It starts out hot, but then goes cold.	You might be running out of hot water. Ask how long, in minutes, this takes to happen.	Thermostatic valves can run at 16 gallons per minute. Find out the water heater capacity and divide by length of the shower in minutes for a function i.e. 50 gallons capacity divided by u.5205 flow of 8 gpm= approx 6 minutes hot water	Don't automatically change the cartridge.	
6	The flow gradually decreases.	There could be debris in the line.	Clean the filters and flush the lines according to the instructions.	Don't automatically change the cartridge.	
7	The flow stops.	The built in safety feature is stopping flow immediately if there is a decrease in temperature.	1. The valve could be operating properly. 2. There could be complete blockage in one of the supply lines.	Don't automatically change the cartridge.	
8	There is no flow on start-up.	1. There could be complete blockage in one of the supply lines. 2. The non-return lines may not be opening. 3. Check the volume control is working.	1. Clean the filters and flush the lines according to the instructions. 2. Check the non-return lines are installed correctly. 3. Check that adaptor C7594 is in place on volume control.	Don't automatically change the cartridge.	
9	Noise in the valve	1. Debris is causing noise 2. Check the one way valves	1. Flush the system 2. Change the one way valve	The valve cannot make noise by itself. Changing the cartridge is the last option	
10	Inconsistent or low temperature delivery	1. On demand water heater cannot keep up with the demand of the valve. 2. The pressure difference from the water supply is more than 15 p.s.i. 3. If a well system, the pressure could be fluctuating.	Consult your plumber. A professional needs to diagnose the problem.		

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## Installation Instructions

# ATTENTION

### **READ THESE INSTRUCTIONS BEFORE INSTALLATION AND USE OF ALL FAUCETS AND WALL VALVES**

### **INSTALLATION and WARRANTY INSTRUCTIONS TECHNICAL INFORMATION**

All flexible hoses are designed and manufactured for use with water in exposed locations only. **Do not expose** to household cleaners, chlorine, chloride, hydrochloric acid or other corrosive chemicals.

- All connections with threads M10x1 male must be hand tighten. **Do not over tighten. Over tightening may cause damage to the hose.**

All faucets washers and o-rings are designed and manufactured for use with water. **Do not expose** to household cleaners, chlorine, chloride, hydrochloric acid or other corrosive chemicals.

Faucets are designed for use with the temperatures and pressures listed below:

- minimum cold water supply 50 °F
- maximum hot water supply 145 °F
- minimum pressure 15 psi
- maximum pressure 75 psi
- maximum fixing torque value = 10 lbf.ft.
- 

**Please note:** The recommended best pressure for best performance is between 40 psi and 60 psi. More pressure than 60 psi or less pressure than 40 psi may affect the diverting action in side spray faucets.

- Do not use any Rohl Country/ Nicolazzi faucet with sulphurous water.
- The minimum temperature for all faucets is 50 degrees F. Below 50 degrees F will void the warranty.
- When available, filter systems must be placed between hot and cold supply lines and the faucet. Improper use or non-use of filters may make diverting faucets with hand sprays perform poorly.
- Don't modify faucet and their components
- Use only original spare parts if there are replacements to be ordered.
- Installation must be made by authorized plumbers or installers. Improper installation or diagnosis of problems is not covered by the warranty.
- Yearly maintenance of cleaning and flushing is recommended.

**Operation and use of any faucet or wall valve that do not conform to these technical instructions will void the warranty.**