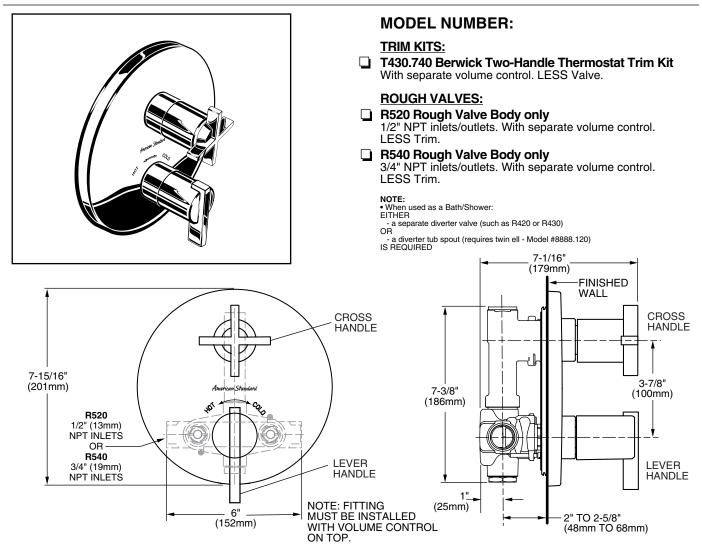
American Standard

# BERWICK<sup>™</sup> TWO-HANDLE THERMOSTAT WITH SEPARATE VOLUME CONTROL



## **GENERAL DESCRIPTION:**

Cast brass valve body. The single unit contains two handles, the bottom lever handle sets the desired temperature and the top lever handle functions as an on/off, volume control. The temperature is maintained by a wax element moving a shuttle valve between hot and cold. The volume is controlled by twin ceramic disc valve cartridges. Ceratherm includes Hot Limit Safety Stop. Maximum temperature limit is 112°F. Escutcheon plate is stamped brass. Available with 1/2" or 3/4" NPT inlets and outlets. The valve has a high flow rate, ideal for mutiple outlet installations. **PRODUCT FEATURES:** 

**Brass Casting:** Highest quality faucet material for durability & long life.

**Wax Thermostatic Unit:** Permits shuttle valve to move between the hot and cold seat to maintain the pre-selected constant water temperature.

Back to Back Capable: Hot and cold can be reversed.

**Spring-Loaded Check Valves:** When the hot and cold water enters the fitting, both supplies pass through the spring-loaded check valves to prevent cross flow of hot and cold water.

Integrated Stop Valves: Ensure easy cleaning and servicing.

Adjustable Hot Limit Safety Stop: Limits the amount of hot water allowed to mix with cold. Reduces the risk of accidental scalding. Maximum water temperature limit may be reduced to 104 or 109 degrees Fahrenheit.

#### SUGGESTED SPECIFICATION:

Two handle Thermostat shall feature a cast brass valve body. Thermostat shall be a wax element shuttle valve. Shall also feature ceramic disc valving, 1/2" NPT or 3/4" NPT inlets and outlets. Fitting shall be American Standard Model # T430.740.\_\_\_\_ (Trim Kit) and R520 or R540 (Rough Valve).

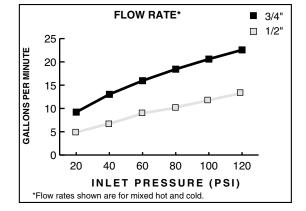


# BERWICK<sup>™</sup> TWO-HANDLE THERMOSTAT WITH SEPARATE VOLUME CONTROL

# **CODES AND STANDARDS**

These products meet or exceed the following codes and standards:

#### ASSE 1016 ASME A112.18.1 CSA B125.1

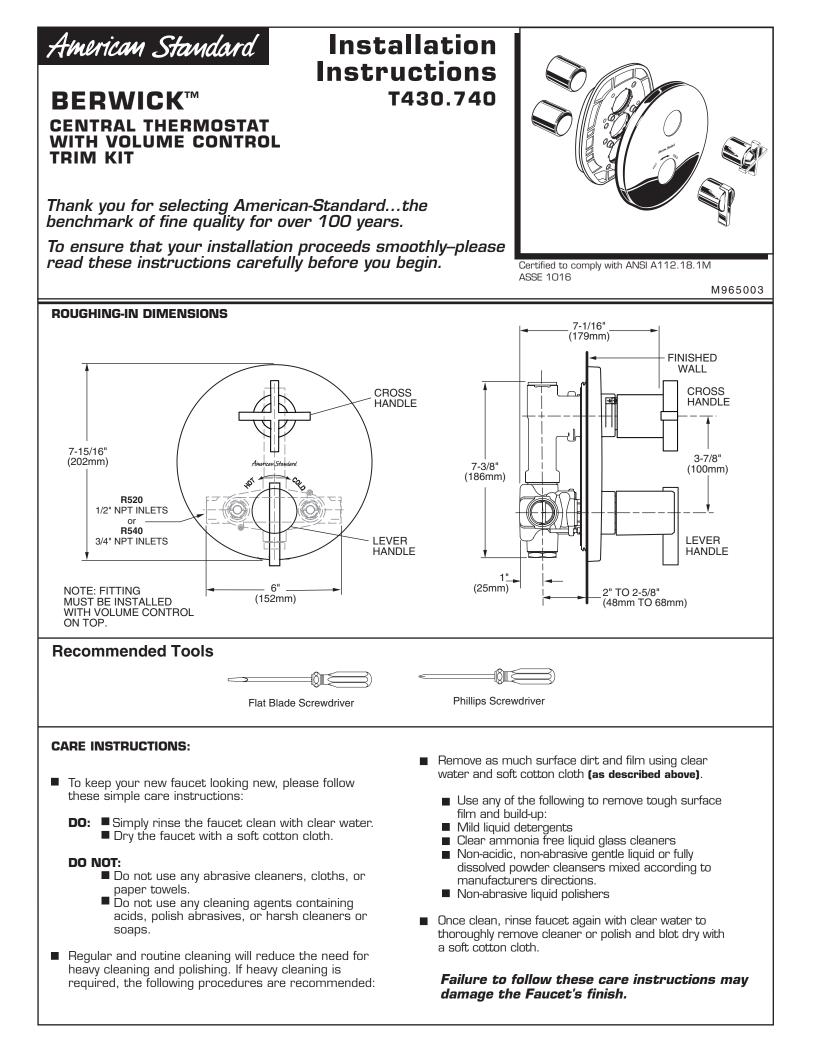


			Finish	Options
KITS*'	Product		Polished Chrome	PVD Satin Nickel
Ν	Number	Description	002	295
TRI	T430.740 <sup>*</sup>	Two-handle Thermostat Trim Kit with separate volume control.		

IGH VALVE BODIES	Product Number	Description
	R520	Rough Valve Body less trim - 1/2" NPT Inlets/Outlets
RO	R540	Rough Valve Body less trim - 3/4" NPT Inlets/Outlets

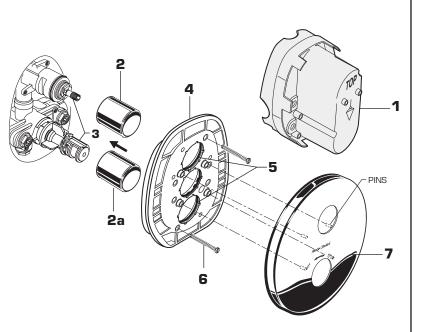
\*NOTE: When used as a Bath/Shower a separate diverter valve is required (such as R420 or R430). Requires twin ell (Model #8888.120 - must be ordered separately) for use with diverter spouts.

#### \*\* ROUGH & TRIM MUST BE ORDERED SEPARATELY.



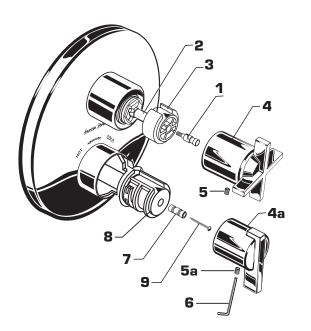
## TRIM INSTALLATION

- Remove PLASTER GUARD (1) if attached.
- Push CAPS (2 & 2a) as shown onto CONTROL VALVES (3).
- Push ESCUTCHEON HOLDER (4) with lightly greased O-RING SEALS (5) over CAPS (2, 2a). Attach with the two SCREWS (6) provided.
- Align pins in back of ESCUTCHEON (7) with holes in ESCUTCHEON HOLDER (4) and push ESCUTCHEON (7) into place.



## INSTALL HANDLES

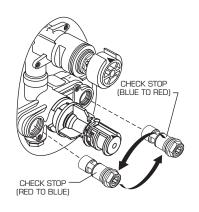
- Thread HANDLE SCREW (1) into VALVE STEM (2) and tighten to secure KNOB MOUNT (3).
- Align HANDLE (4) and push onto KNOB MOUNT (3).
- Tighten SET SCREW (5) in handle with HEX WRENCH (6) SUPPLIED.
- Install HANDLE ADAPTER (7) onto TEMPERATURE CONTROL KNOB (8) and tighten with SCREW (9).
- Align HANDLE (4a) and push onto TEMPERATURE CONTROL KNOB (8).
- Tighten SET SCREW (5a) in handle with HEX WRENCH (6) SUPPLIED.



#### TRANSPOSED SUPPLY PIPING OR BACK TO BACK INSTALLATION

Should the hot and cold water supply pipes have been transposed making adjustment impossible, proceed as follows:

- Shut off water supply.
- Remove handle and rim. (Reverse steps 1 and 2).
- Remove check stops and re-install them transposed.
- Important note: RED CHECK STOP is now on the right of the mixer body and the BLUE CHECK STOP is now on the left.
- Turn the water supply back on and perform the temperature adjustment in step 4.
- Assemble HANDLES and TRIM.

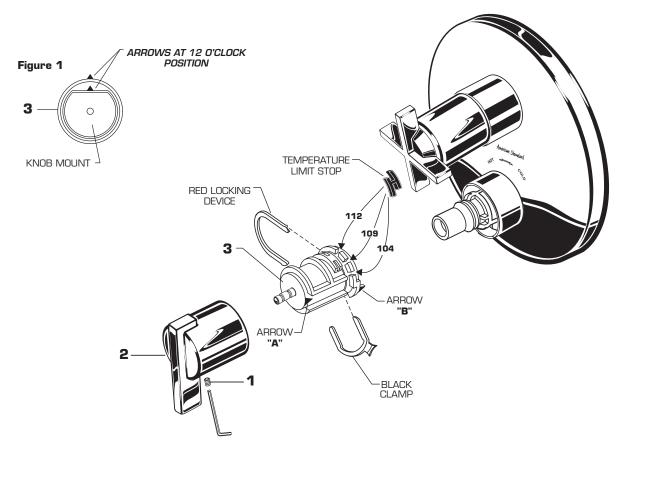


# TEMPERATURE ADJUSTMENT

- Loosen SET SCREW (1). Pull off HANDLE ASSEMBLY (2).
- Check that arrow marking B points to the 12 o'clock position. If not, push the BLACK CLAMP on the SECURING RING to the right, pull off KNOB MOUNT (3) and reinstall KNOB MOUNT (3) with arrow "B" 12 o'clock position. See Figure 1.

#### SET HOT LIMIT STOP

- The maximum mixed water temperature is set at 109°F at the factory. This setting can be changed if desired.
- Remove the TEMPERATURE LIMIT STOP (H shaped Black Plastic part). Reinstall it at the desired notch as indicated in the diagram to limit the maximum mixed water temperature to 104°F or 112°F.
- For 100 F adjustment, turn the water supply on. Turn KNOB MOUNT (3) until the spout temperature is 100°F. Check that arrow "A" on the KNOB MOUNT (3) still points 12 o'clock position after adjusting the thermostat to 100°F. If not, pull out the RED LOCKING DEVICE. Remove KNOB MOUNT (3) by pulling it towards you while standing directly in front of the valve.
- Reinstall the KNOB MOUNT (3) with arrow "A" 12 o'clock position.
- Reinstall RED LOCKING DEVICE.
- See *Step 2* for HANDLE (2) installation.





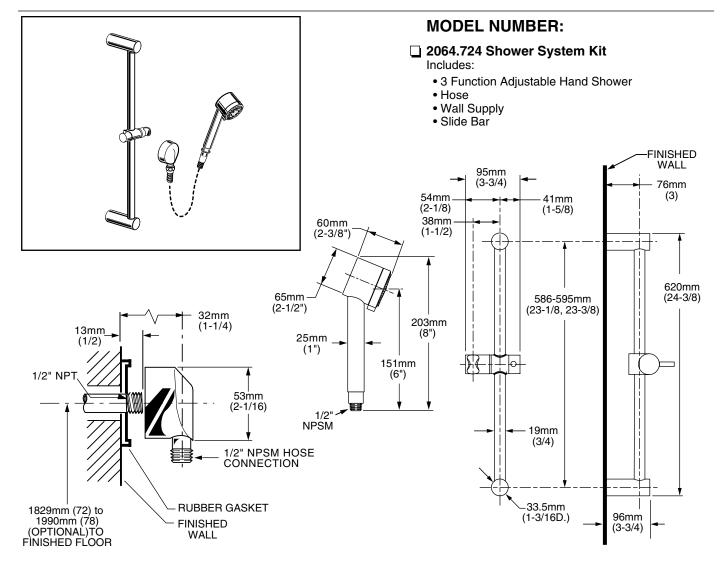
# SHOWER SYSTEMS RAIN SHOWERHEADS

Model #	Description	Finishes	Roughing-In Dimensions
8888.077	<ul> <li>TOWN SQUARE SHOWERHEAD</li> <li>Cast Brass Shower Arm</li> <li>4-7/8" diameter Easy Clean showerhead.</li> <li>2.5gpm/9.5L/min. flow restrictor</li> </ul>	.002 Polished Chrome .068 Blackened Bronze (PVD) .295 Satin Nickel (PVD)	1/2" NPT SHOWER ARM (1) (1) (1) (1) (1) (1) (1) (2) (2) (2) (2) (2) (2) (2) (3) (3) (3) (3) (4) (4) (4) (5) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
1660.802 1660.822	<ul> <li><b>"RAIN" SHOWERHEAD &amp; ARM</b></li> <li>Cast Brass Shower Arm</li> <li>4-1/2" diameter Easy clean showerhead</li> <li>2.5gpm/9.5L/min. flow restrictor</li> <li><b>"RAIN" SHOWERHEAD ONLY</b></li> <li>4-1/2" diameter Easy clean showerhead ONLY</li> <li>2.5gpm/9.5L/min. flow restrictor</li> </ul>	.002 Polished Chrome .068 Blackened Bronze (PVD) .099 Polished Brass (PVD) .295 Satin Nickel (PVD)	32mm (1-1/4) DIA. HOLE SHOWER ARM (2) 1/2" NPT ARM (8) REF.
1660.660	<ul> <li>6" RAIN SHOWERHEAD</li> <li>Easy clean showerhead</li> <li>Brass construction</li> <li>2.5gpm/9.5L/min. flow restrictor</li> </ul>	.002 Polished Chrome .068 Blackened Bronze (PVD) .099 Polished Brass (PVD) .295 Satin Nickel (PVD)	1/2" NPT
1660.680	8" RAIN SHOWERHEAD • Easy clean showerhead • Brass construction • 2.5gpm/9.5L/min. flow restrictor	.002 Polished Chrome .068 Blackened Bronze (PVD) .099 Polished Brass (PVD) .295 Satin Nickel (PVD)	1/2" NPT 96mm ((3-3/4) 205mm DIA. (8)
1660.610	<ul> <li>10" RAIN SHOWERHEAD</li> <li>Easy clean showerhead</li> <li>Brass construction</li> <li>2.5gpm/9.5L/min. flow restrictor</li> </ul>	.002 Polished Chrome .068 Blackened Bronze (PVD) .099 Polished Brass (PVD) .295 Satin Nickel (PVD)	1/2" NPT
1660.683	10" MODERN RAIN SHOWERHEAD • Easy clean showerhead • Slick, thin profile • Brass construction • 2.5gpm/9.5L/min. flow restrictor	.002 Polished Chrome .068 Blackened Bronze (PVD) .075 Stainless Steel (PVD) .099 Polished Brass (PVD) .295 Satin Nickel (PVD)	1/2" NPT

American Standard

Style That Works Better

# SHOWER SYSTEMS SERIN SHOWER SYSTEM KIT



# **GENERAL DESCRIPTION:**

Complete shower system kit includes: a wall supply with 1/2" NPT female inlet, 1/2" NPSM male outlet; a 59" (1500mm) shower hose; a hand shower; and a 24" all metal slide bar. Personal shower with 2.5 gpm/9.5L/min. flow restrictor. Adjustable shower holder can be set at any height or position along the bar and angle up to 45°.

# **PRODUCT FEATURES:**

#### HAND SHOWER

**Lightweight, Ergonomic Design:** For a sure grip even with wet, soapy hands.

**Simple Spray Pattern Adjustment:** Spray patterns can be changed with a flick of the thumb.

**Variety of Spray Patterns:** Allows the user to select the type of spray best suited to their needs.

#### **SLIDE BAR**

**Simple Height Adjustment:** Allows positioning of the personal shower anywhere along the bar.

## SUGGESTED SPECIFICATION:

Shower system shall feature a wall supply with 1/2" NPT female inlets, 1/2" NPSM male outlet, 59" hose, hand shower and a 620mm (24") all metal slide bar. Hand shower shall be ergonomically designed for a positive grip even when wet. Spray pattern adjustment shall be performed with simple movement of thumb without need to change grip on handle. Fitting shall be American Standard Model # 2064.724.\_\_\_\_\_.

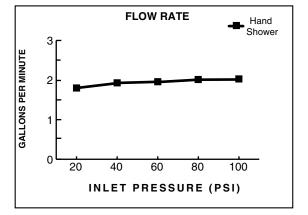


# SHOWER SYSTEMS SERIN SHOWER SYSTEM KIT

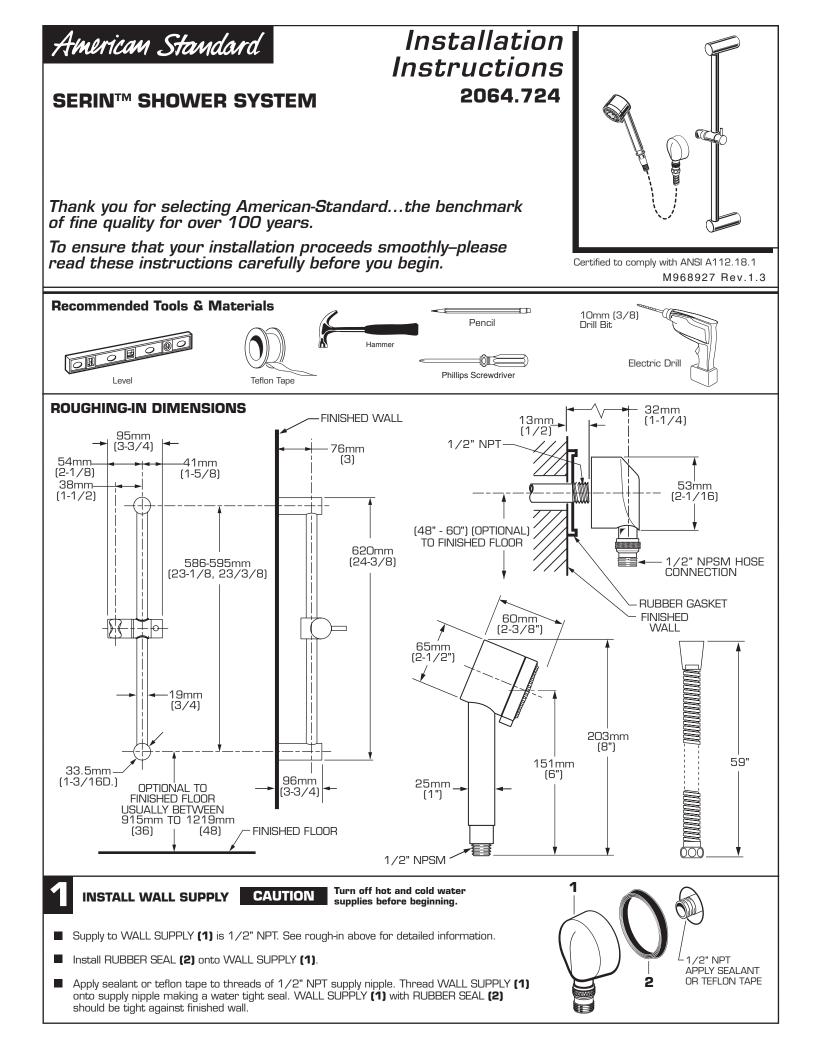
# **CODES AND STANDARDS**

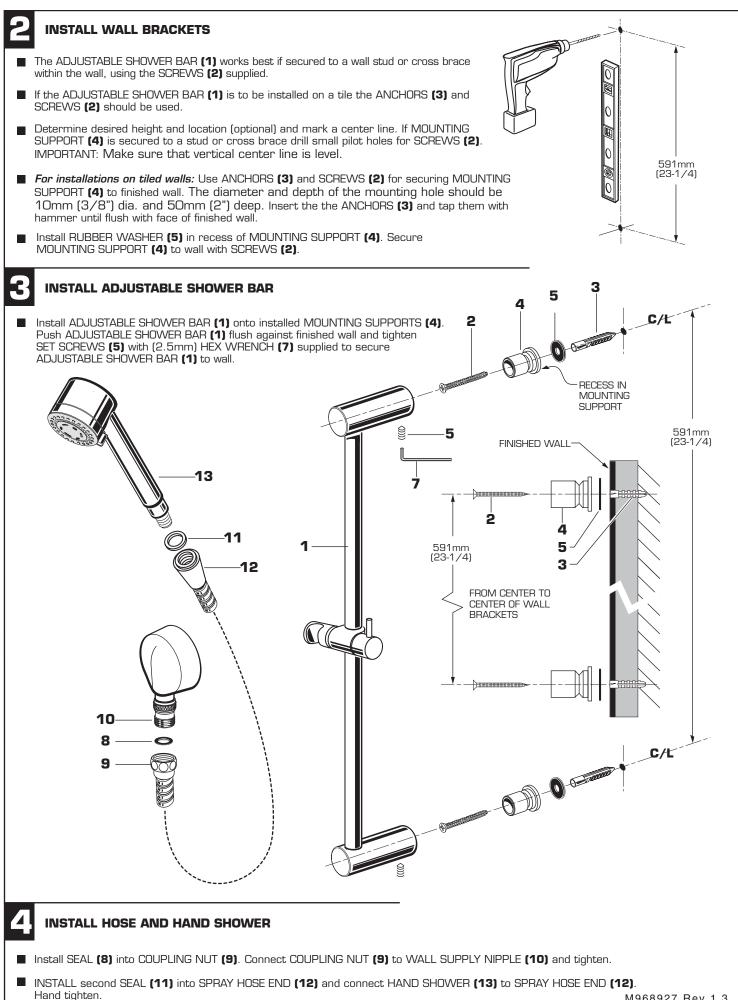
Install as required to comply with local code requirements.

#### ASME A112.18.1 CSA 125

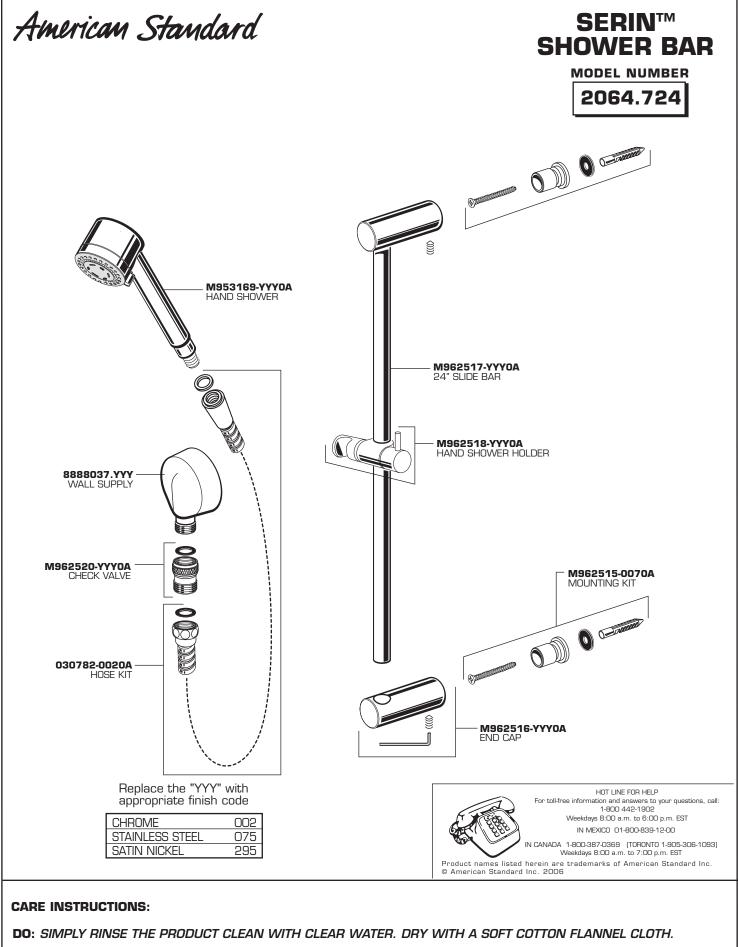


		Finish Options			
Product	Description	Polished Chrome	PVD Satin Nickel	PVD Stainless Steel	
Number		002	295	075	
2064.724	Shower System Kit. Contains hand shower, hose, wall supply and slide bar.				





M968927 Rev.1.3

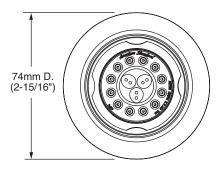


**DO NOT**: *DO NOT CLEAN THE PRODUCT WITH SOAPS, ACID, POLISH, ABRASIVES, HARSH CLEANERS, OR A CLOTH WITH A COARSE SURFACE.* 

American Standard

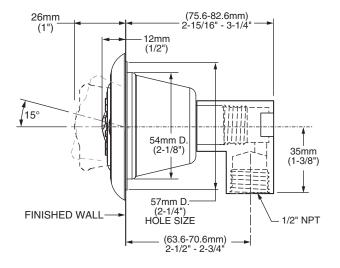
# **EXTENDER**<sup>™</sup> MULTIFUNCTION BODY SPRAY





#### MODEL NUMBER:

□ 1660.130 Multifunction Round Body Spray Flush Mount. 1/2" NPT Male Connection



# **GENERAL DESCRIPTION:**

Flush mount body spray. Swivel spray with adjustable spray pattern automatically extends when water is turned on and auto retracts when water is turned off. Spray pattern adjusts from full spray to combination to massage. Spray position adjusts up to 15° in any direction. Easy clean spray nozzles. Brass escutcheon. Fits wall cavity using standard 2" x 4" studs. Installs as one piece. Plaster guard serves as a rough-in guide and pipe plug. 1.5gpm/5.7L/min. maximum flow rate.

#### **PRODUCT FEATURES:**

Flush Mount: Clean look.

Adjustable Spray Pattern: 3 spray options to customize shower experience to personal taste.

**Simple Spray Adjustment:** Spray position adjusts up to 15° in any direction.

**One Piece Installation:** No loose parts to lose or reassemble on site.

Easy Clean Spray Nozzles: Easily clean lime and calcium buildup.

## SUGGESTED SPECIFICATION:

Body Spray shall be flush mount to wall projecting no more than 1/2" when not in use. Body spray shall have at least 3 spray patterns. Features an automatic swivel spray that extends when water is turned on and retracts when water is turned off. Fitting shall be American Standard Model # 1660.130.\_\_\_\_\_.

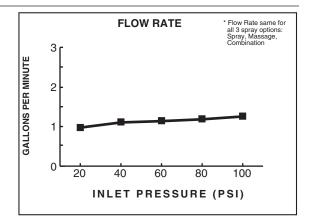


# **CODES AND STANDARDS**

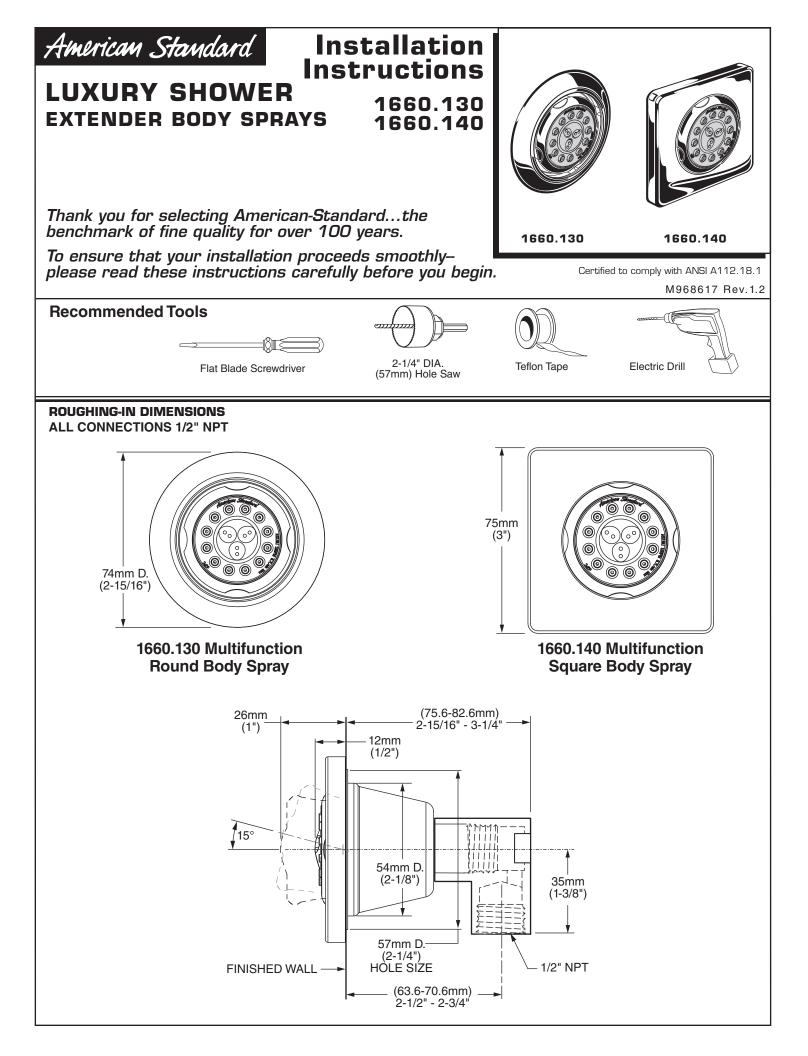
Install as required to comply with local code requirements.

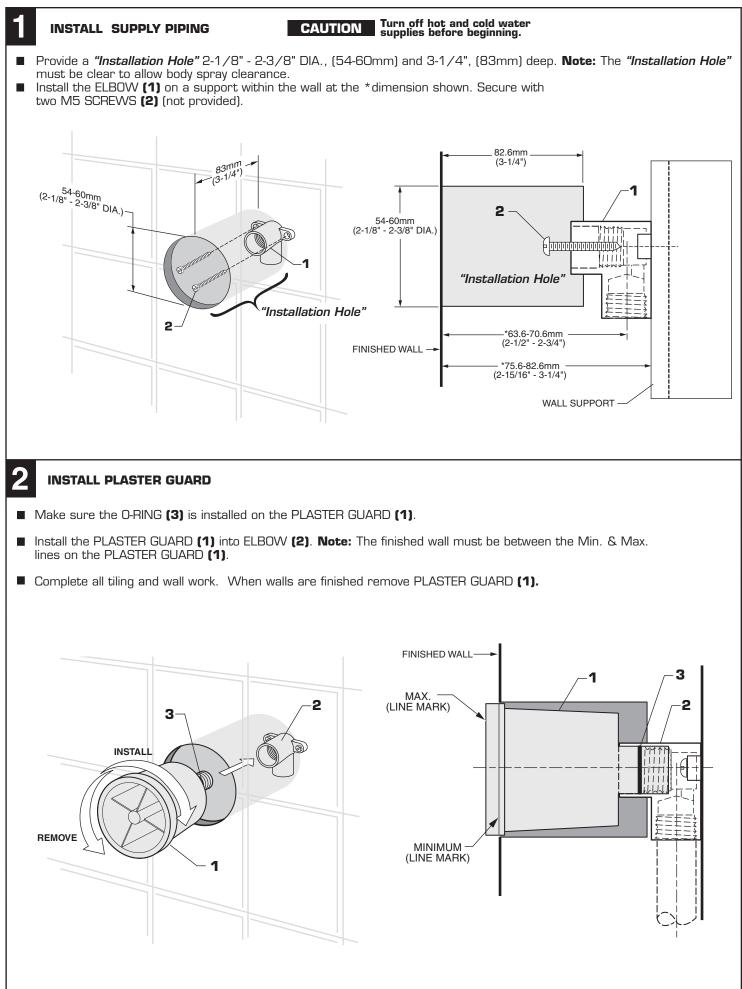
#### ASME A112.18.1 CSA 125

# **EXTENDER**<sup>™</sup> MULTIFUNCTION BODY SPRAY



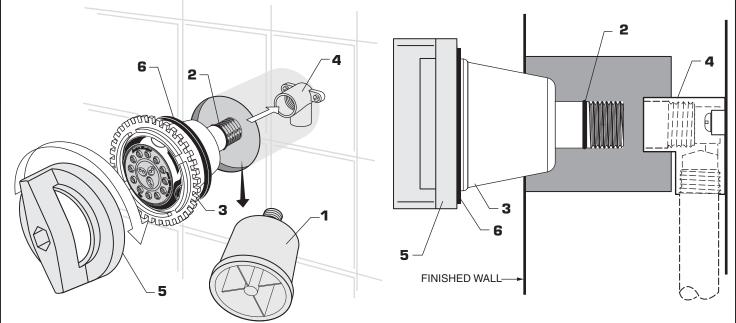
				Finish Options				
Product			PVD Blackened Bronze	PVD Stainless Steel	PVD Satin Nickel			
Number	Description	002	068	075	295			
1660.130	Extender Multifunction Round Body Spray.							





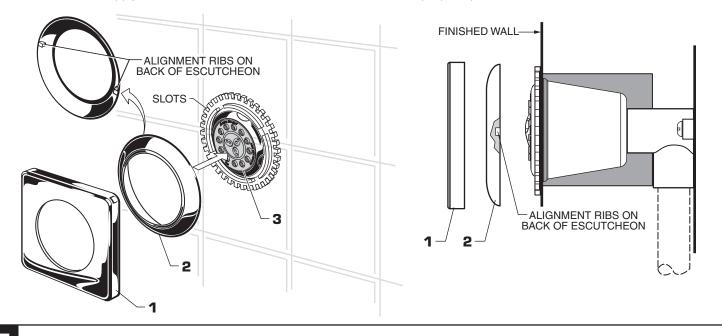
## **INSTALL BODY SPRAY**

- Remove the PLASTER GUARD (1) if not already removed.
- Make sure the O-RING (2) and FLANGE GASKET (6) are installed on the BODY SPRAY (3). Thread BODY SPRAY (3) into the ELBOW (4).
- Tighten BODY SPRAY (3) using WRENCH (5) supplied until flush against finished wall and FLANGE GASKET (6) is compressed. Turn on water supply and test installed BODY SPRAY (3) for leaks and proper operation.



## INSTALL ESCUTCHEON

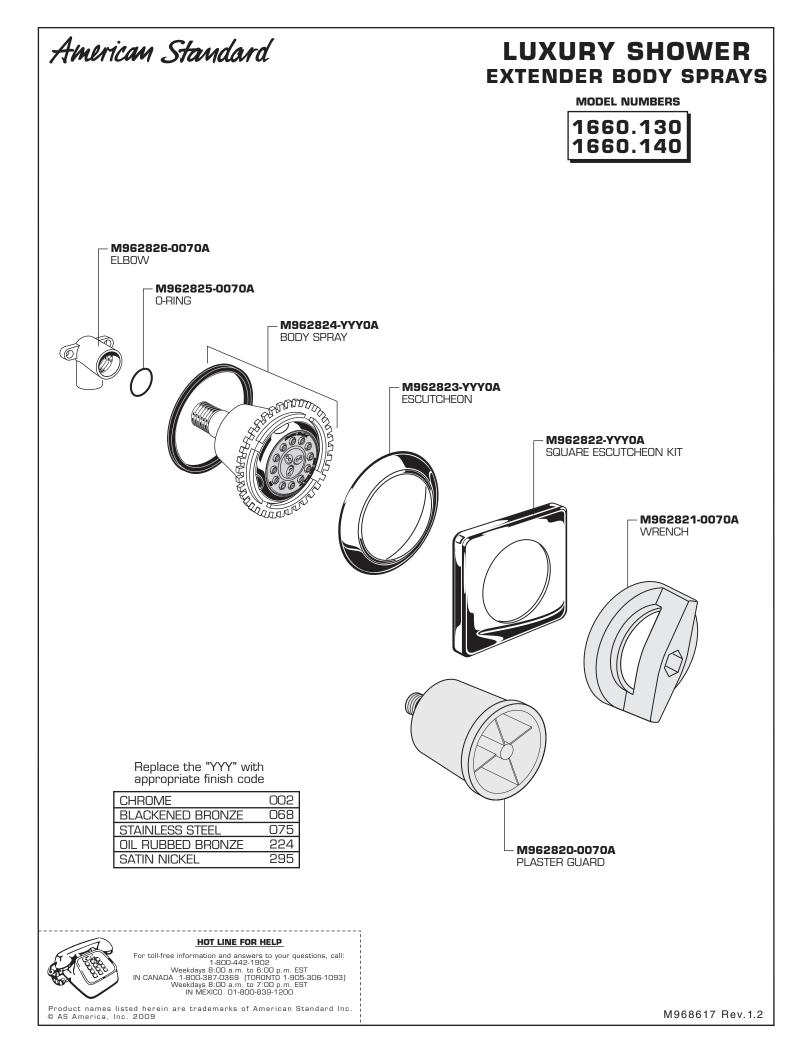
- Align ribs on back of ESCUTCHEON (1, 2), with slots in BODY SPRAY (3). Push ESCUTCHEON (1, 2) against BODY SPRAY (3) until ESCUTCHEON (1, 2) snaps into place.
- Turn on water supply and test installed BODY SPRAY (3) for leaks and proper operation.



# 5 CARE:

DO: SIMPLY RINSE THE PRODUCT CLEAN WITH CLEAR WATER. DRY WITH A SOFT COTTON FLANNEL CLOTH.

DO NOT: DO NOT CLEAN THE PRODUCT WITH SOAPS, ACID, POLISH, ABRASIVES, HARSH CLEANERS, OR A CLOTH WITH A COARSE SURFACE.







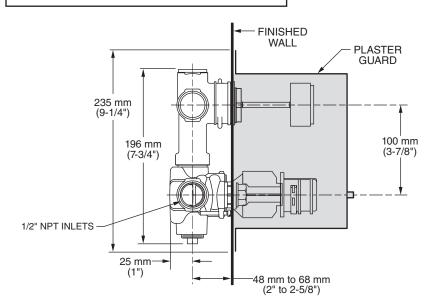
# MODEL NUMBER:

#### R523 Two-Handle Thermostatic Rough Valve with Built-In 3-Way Diverter (Discrete) 1/2" NPT inlets/outlets. 3 Discrete Functions.

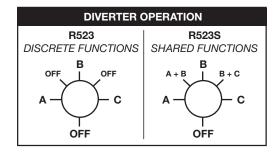
1/2" NPT inlets/outlets. 3 Discrete Functions. LESS Trim.

R523S Two-Handle Thermostatic Rough Valve with Built-In 3-Way Diverter (Shared) 1/2" NPT inlets/outlets. 3 Discrete Functions/2 Shared

1/2" NPT inlets/outlets. 3 Discrete Functions/2 Shared Functions. LESS Trim.



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# **GENERAL DESCRIPTION:**

Cast brass valve body. The single unit contains two handles, the bottom handle sets the desired temperature and the metal top handle controls on/off, volume and diverter functions. The temperature is maintained by a wax element moving a shuttle valve between hot and cold. The volume is controlled by twin ceramic disc valve cartridges. Ceratherm includes Hot Limit Safety Stop. Maximum temperature limit is 112°F. 1/2" NPT inlets and outlets.

# **PRODUCT FEATURES:**

**Brass Casting:** Highest quality faucet material for durability & long life. **Built-in Diverter:** Allows user to choose between 2 or 3 separate shower outlets.

Wax Thermostatic Unit: Permits shuttle valve to move between the hot and cold seat to maintain the pre-selected constant water temperature.

Back to Back Capable: Hot and cold can be reversed.

**Spring-Loaded Check Valves:** When the hot and cold water enters the fitting, both supplies pass through the spring-loaded check valves to prevent cross flow of hot and cold water.

Integrated Stop Valves: Ensure easy cleaning and servicing.

Adjustable Hot Limit Safety Stop: Limits the amount of hot water allowed to mix with cold. Reduces the risk of accidental scalding. Maximum water temperature limit may be reduced to 104 or 109 degrees Fahrenheit.

## SUGGESTED SPECIFICATION

Two-handle thermostat shall feature a cast brass valve body. Shall feature built-in diverter. Thermostat shall be a wax element shuttle valve. Shall also feature ceramic disc valving, 1/2" NPT inlets and outlets. Fitting shall be American Standard Model # R52\_.

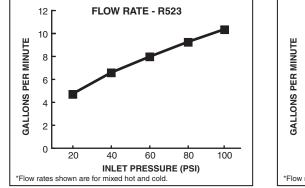
American Standard

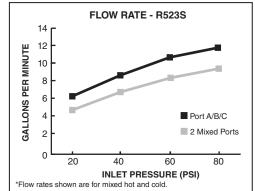
# ROUGH VALVES TWO-HANDLE THERMOSTAT WITH BUILT-IN 3-WAY DIVERTER

## CODES AND STANDARDS

These products meet or exceed the following codes and standards:

#### ASSE 1016 ASME A112.18.1 CSA B125.1





Beets the American Disabilities Act Guidelines and ANSI A117.1 Requirements for the physically challenged.

ALVE S	Product Number	Description
	R523	Two-Handle Thermostatic Rough Valve with Built-In 3-Way Diverter. 1/2" NPT Inlets/Outlets. 3 Discrete Functions. LESS Trim.
ROU B	R523S	Two-Handle Thermostatic Rough Valve with Built-In 3-Way Diverter. 1/2" NPT Inlets/Outlets. 3 Discrete Functions/2 Shared Functions. tLESS Trim.

## R523 and R523S will accept the following trims:

	Town Square®	Serin®	Green Tea®	Times Square <sup>®</sup>	Townsend®
I KITS					
E TRIN	T555.740	T064.740	T010.740	T184.740	T353.740
BL	Moments®	Berwick®	Portsmouth®	Quentin™	
AVAILABLE TRIM KITS					
	T506.740	T430.740	T420.740	T440.740	