



UNIVERSAL 1/2" THERMOSTATIC ROUGH VALVE WITH INTEGRATED THREE OUTLET DIVERTER

ROHL Spa Shower

R1050BD

FEATURES

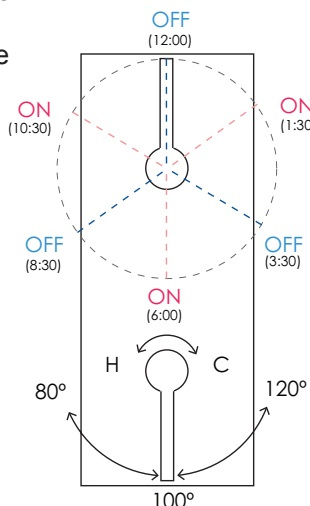
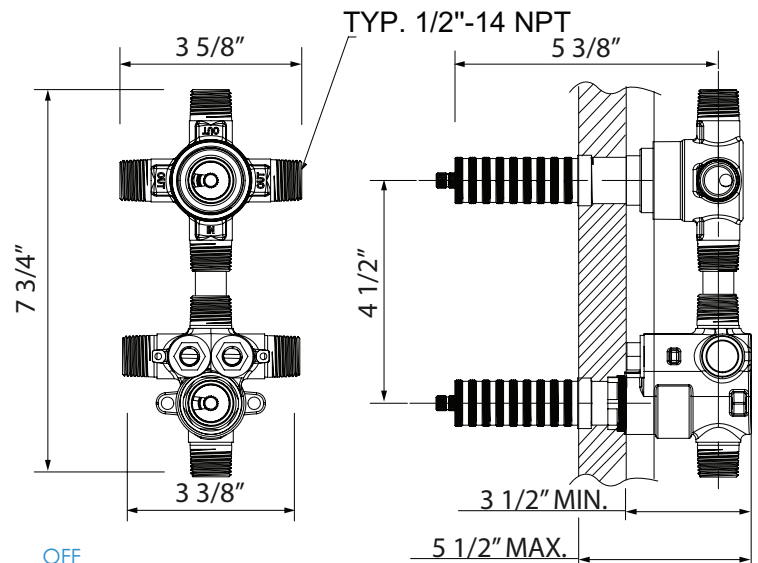
- Temperature control with integrated three outlet diverter; factory setting at 100°F
- Top handle diverts the water three ways
- Diverter outlets are 100% full flow. There is no volume control.
- Bottom control sets temperature
- Service stops included
- Primary screens at the cartridge. Remove flow control valve to flush system.
- Cast brass construction
- Bottom outlet for tub filler only. A separate flow control valve and/or trim required for this application.
- Back of valve to finished wall 3 1/2" min., 5 1/2" max.
- Flow rate 6.7 GPM at 60 PSI
- 1/2" male inlets, 3 x 1/2" male outlets
- Complete with mud guard for installation
- If PEX is utilized, oversize the supply line to 3/4" for full flow capacity
- If only two outlets are being utilized, caps are included to close "dead" outlets
- Extension kit included, may be cut to length required
- Authentically Crafted in the USA
- Must order trim to complete

COLOR/FINISH

- Rough only

WARRANTY

- Limited Lifetime



The R1050BD valve is Calgreen compatible

- The operation is dedicated and only one outlet will operate at a time
- There are 3 on positions and 3 off positions
- It is suggested the 12 O'clock position be the off position; installer will need to set:
 - The on positions will then be 10:30, 6:00 and 1:30
 - The off positions will be 8:30, 3:30 and 12:00

- Turn counterclockwise for HOT
- Turn clockwise for COLD

INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS FOR

1/2" Thermostatic Valve w/ Diverter

PART# R1050BD

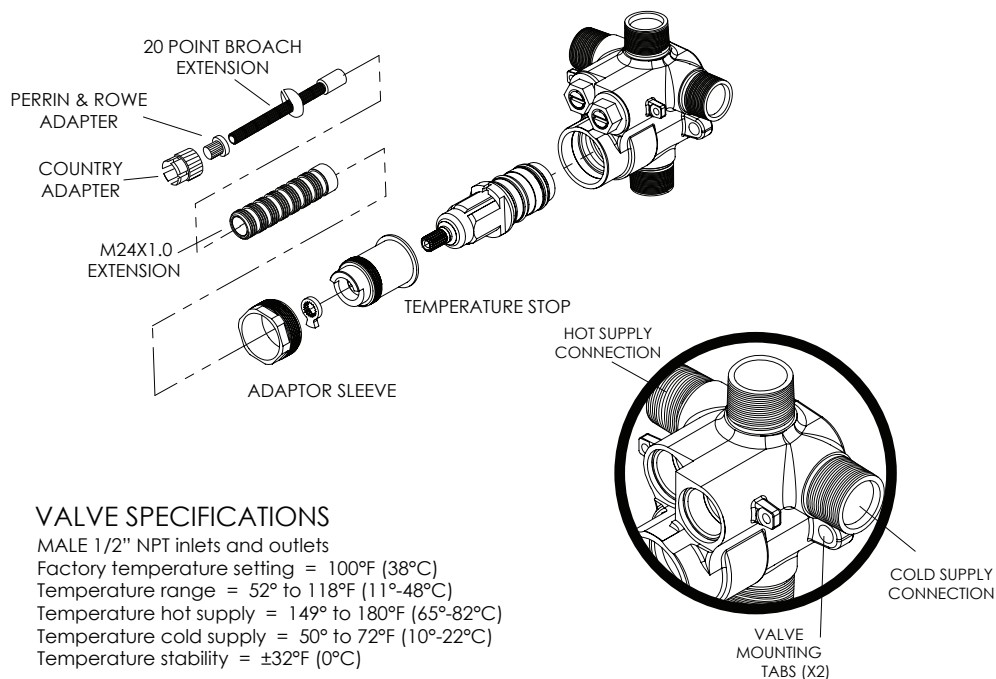
GENERAL CHARACTERISTICS

WE RECOMMEND THAT ALL PLUMBING PRODUCTS BE INSTALLED BY A LICENSED PROFESSIONAL

IMPORTANT: Thoroughly read instructions before installation.

The valve without diverter is designed with two outlets for ease of installation, but are not intended to be used concurrently with each other. Using both outlets will reduce the performance of the valve.

WARNING: IF THIS VALVE IS INSTALLED UPSIDE-DOWN A REVERSE CARTRIDGE IS NOT AVAILABLE. CONSEQUENTLY, VALVE MUST BE REMOVED AND REINSTALLED RIGHT-SIDE UP.



VALVE SPECIFICATIONS

MALE 1/2" NPT inlets and outlets
 Factory temperature setting = 100°F (38°C)
 Temperature range = 52° to 118°F (11°-48°C)
 Temperature hot supply = 149° to 180°F (65°-82°C)
 Temperature cold supply = 50° to 72°F (10°-22°C)
 Temperature stability = ±32°F (0°C)

Recommended supply pressure = 20 to 80 PSI (1,38-5,52 bar)
 Recommended hot water supply temperature = 120° to 140°F (48°-60°C)

Operating pressures between hot and cold supplies should vary no more than 30 PSI (2,07 bar).
 If water pressure exceeds 70 PSI (4,83 bar), install a pressure reducing valve.

Ensure the mixing valve is in compliance with local plumbing codes when setting the temperature on the water heater.

It is the installer's responsibility to verify correct temperature setting to prevent any risk of scalding prior to consumer use.

INSTALLATION INSTRUCTIONS

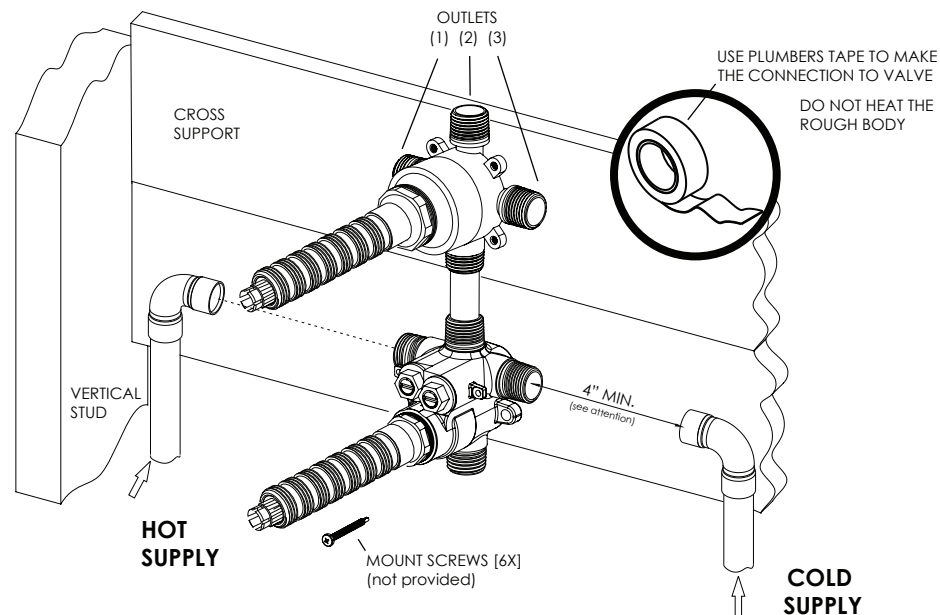
ROUGH IN VALVE TO FRAME

Once the desired location has been determined, install a cross support beam to wall studs.

Ensure to level the valve and secure to the cross support. The valve should be level horizontally, vertically, and parallel to finished wall.

Placement of valve and cross support within the wall shall be determined by the MIN/MAX limits shown on MUDGUARD. For complete detailed valve dimensions see ROUGH-IN DIMENSIONS.

- R1050BD is shown



WATER CONNECTIONS

Attach OUTLET (1) to the showerhead and outlets (2) and (3) to any optional devices, such as hand-shower or body sprays. Any outlet not being used must be capped.

Pre-assemble fittings before attaching to valve. Attach the "COLD" INLET to COLD SUPPLY and "HOT" INLET to HOT SUPPLY.

IMPORTANT: Thoroughly flush supply lines to remove any debris prior to installation to prevent damage and malfunction of thermostatic cartridge.

ATTENTION: Use plumbers tape or thread sealant to all threaded port joints and attach to valve. All soldering/brazing of fittings shall be performed a minimum of 4" away from valve.

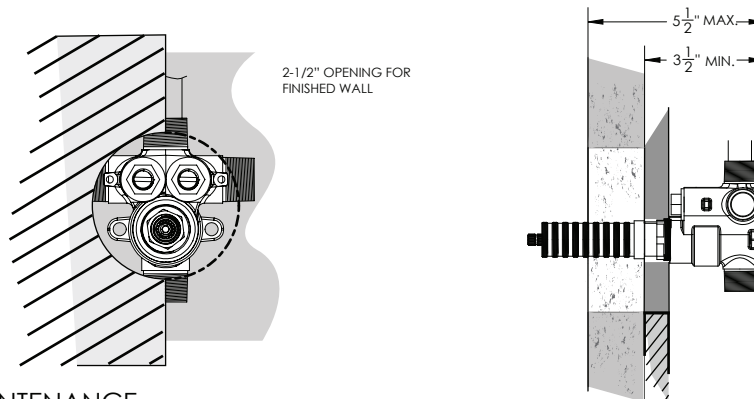
WARNING: DO NOT APPLY HEAT DIRECTLY TO THE VALVE AS THIS MAY DAMAGE RUBBER & PLASTIC SEALS AND WILL VOID WARRANTY.

Turn on water supplies to valve and check for leaks.

INSTALLATION INSTRUCTIONS

ROUGH IN DIMENSIONS

(All dimensions shown are to the nearest 1/16")



MAINTENANCE

THERMOSTATIC CARTRIDGE

Carefully remove the trim and plate and place in a safe location for the time being.

Use a flat head screwdriver to shut off the water supply to the cartridge by turning the temporary shutoff screws clockwise until screw stops. Ensure to close both the hot and cold sides of the water supplies.

Remove extensions to gain access to the cartridge nut. Unscrew the cartridge nut using an 11/16" plumbers wrench or adjustable wrench, if possible.

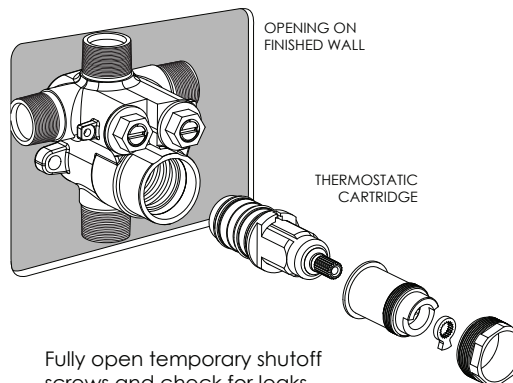
Gently pull the cartridge out of the housing body (rotating cartridge while pulling may assist in removing).

Clean the cartridge by rinsing it under running water to remove any possible debris.

Wipe cartridge and housing seat clean and apply a thin film of NON-PETROLEUM GREASE to o-rings. **NOTE: Do NOT use oil based lubricants as this may cause the o-rings to dry out over time and crack.**

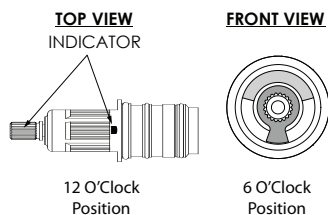
Carefully install the cartridge back into the housing body and tighten nut to 10 ft-lbs (13,56 nm).

ATTENTION: Ensure the INDICATOR NOTCH on cartridge and GREEN LINE on stem are orientated at the 12 O'Clock position. The Temperature stop must be in the 6 O'Clock position.



Fully open temporary shutoff screws and check for leaks.

Check operation of flow. If improved, proceed to reinstall extensions, trim & plate; otherwise, CHECK VALVES.



INSTALLATION INSTRUCTIONS

MAINTENANCE (continued)

CHECK VALVES

Shut off water supply at main or upstream from valve body.

Remove check valve with a 5/8" (16mm) socket wrench from the body.

Clean check valve by rinsing it under running water to remove any possible debris.

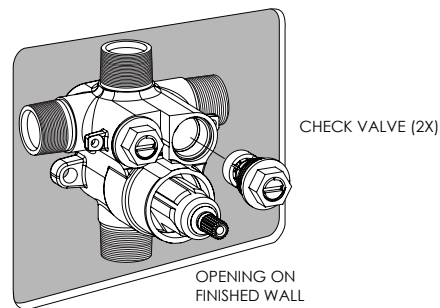
Wipe check valve and housing seat clean and apply a thin film of NON-PETROLEUM GREASE to o-rings.

NOTE: Do NOT use oil based lubricants as this may cause o-rings to dry out over time and crack.

Tighten check valves to 10 ft-lbs (13,56 nm).

Reinstate water supply from upstream and check for leaks.

Check operation of flow. If improved, proceed to reinstall extensions, trim, & plate; otherwise, see PARTS BREAKOUT for any replacement parts needed.



PART# R1050BD

| ITEM NO. | PART NO. | DESCRIPTION | QTY. |
|----------|----------|--|------|
| 1 | 10333 | C-WASHER STABILIZER | 1 |
| 2 | 10334 | M24X1.0 EXTENSION | 1 |
| 3 | 10349 | NUT CAP FOR 3WAY DIVERTER | 1 |
| 4 | 10350 | CARTRIDGE, DIV. MOTION C33, 1/3 TURN W/ SHUTOFF FLUHS | 1 |
| 5 | 10625 | CARTRIDGE VALVE, 1/2" THERMO | 1 |
| 6 | 11197 | CHECK VALVE, 1/2" THERMO | 2 |
| 7 | 11318 | RETAINER NUT FOR 1/2" THERM CARTRIDGE | 1 |
| 8 | 11319 | CARTRIDGE RETAINER SLEEVE, 1/2" THERM | 1 |
| 9 | 11320 | SAFETY AND MECHANICAL STOP, 1/2" THERM | 1 |
| 10 | 2-130 | SHUTOFF NUT, 1/2" THERMO | 2 |
| 11 | 2-132 | BRAZED 1/2" THERMO W/ DIVERTER VALVE | 1 |
| 12 | 3-056 | EXTENSION KIT, M24 - 20PT - STABILIZER | 1 |
| 12.1 | 10332 | 20 POINT BROACH EXTENSION | 1 |
| 12.2 | 10334 | M24X1.0 EXTENSION | 1 |
| 12.3 | 10333 | C-WASHER STABILIZER | 1 |
| 13 | 9.15402 | STEM ADAPTOR FOR PERRIN & ROWE | 2 |
| 14 | 30232 | EXTENSION SLEEVE, M24 INT./EXT. 1/2" THERM W/ DIVERTER | 1 |
| 15 | 30233 | 20 POINT BROACH EXTENSION | 1 |
| 16 | R30083 | COUNTRY ADAPTOR | 2 |
| 17 | 30238 | CAP TO CLOSE UNUSED OUTLETS | 2 |

