



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

ROHL Spa Shower

R1052BD

FEATURES

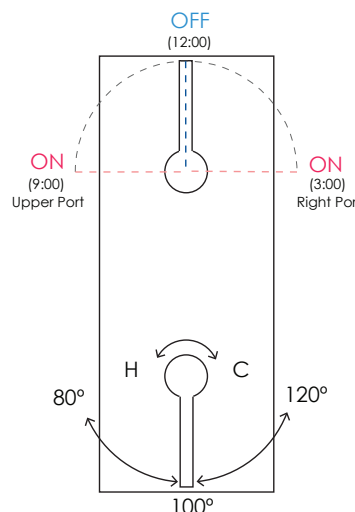
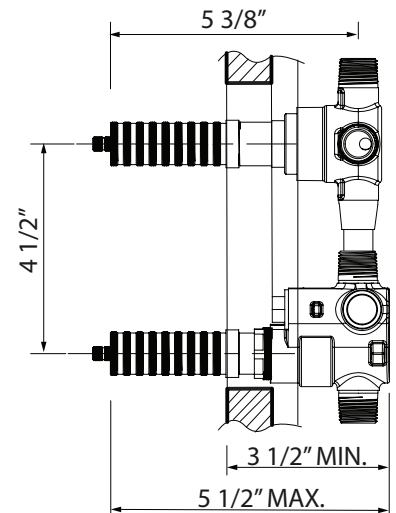
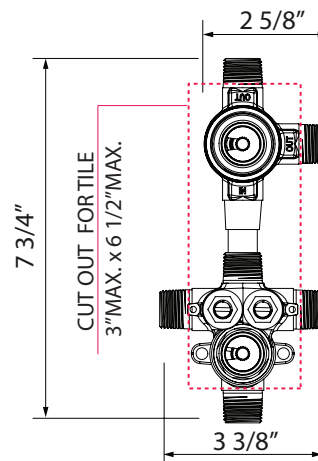
- Top handle diverts the water two ways
- Bottom control sets temperature
- CALGreen compliant.
CEC compliant Dedicated Diverter.
- Service stops included
- Primary screens at the cartridge
- Temperature control with integrated two outlet diverter; factory setting at 100°F
- Cast brass construction
- 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, 2 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
- Extension kit included, may be cut to length required
- Must order trim to complete

COLOR/FINISH

- Rough only

WARRANTY

- Limited Lifetime



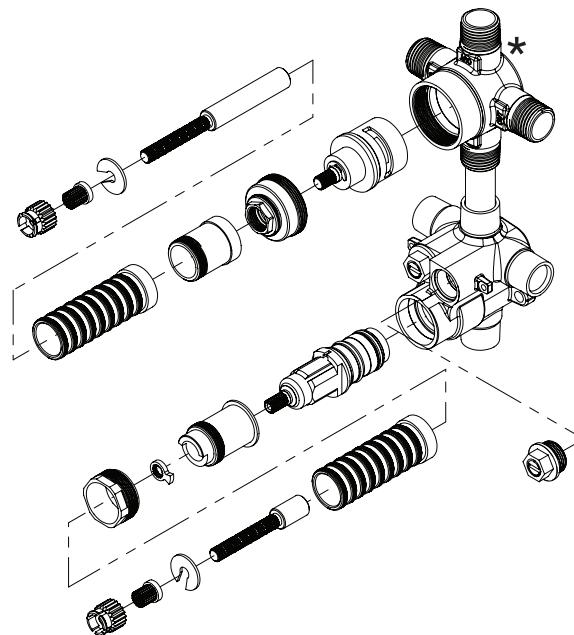
The R1052BD valve is Calgreen compatible
The operation is dedicated and only one outlet will operate at a time.
There are 2 on positions and 1 off positions.
It is suggested the 12 O'clock position be the off position.

Installer will need to set:

- The on positions will then be 9:00 and 3:00
- The off positions will be 12:00

- Turn counterclockwise for HOT
- Turn clockwise for COLD

INSTALLATION INSTRUCTIONS



INSTALLATION INSTRUCTIONS

- ▶ R1050BD- SINGLE FUNCTION 3 PORT OPERATION 1/2" THERMOSTATIC VALVE
- ▶ R1055BD- SHARED FUNCTION 3 PORT OPERATION 1/2" THERMOSTATIC VALVE
- ▶ R1052BD- SINGLE FUNCTION 2 PORT OPERATION 1/2" THERMOSTATIC VALVE
- ▶ R1051BV- SINGLE FUNCTION 1 PORT OPERATION 1/2" THERMOSTATIC VALVE
- ▶

For use with shower heads rated at 1.3 gpm - 4.9 L/min or higher

* R1050BD /R1055BD SHOWN

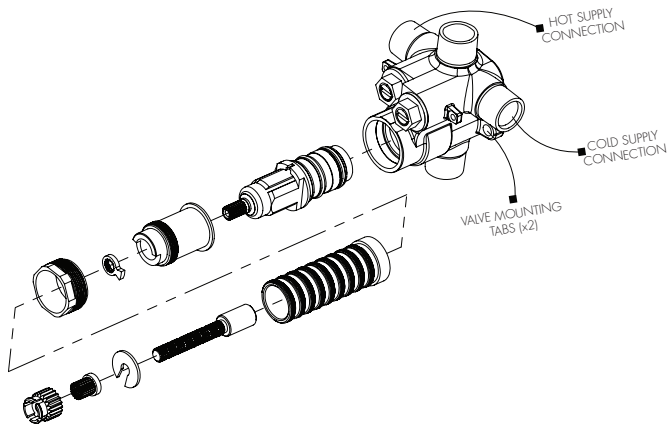
INSTALLATION INSTRUCTIONS

IMPORTANT REMINDERS

WE RECOMMEND THAT ALL PLUMBING PRODUCTS BE INSTALLED BY A LICENSED PROFESSIONAL
IMPORTANT: Thoroughly read instructions before installation.

The valve 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. Using the upper port and lower port is not recommended.

WARNING: IF THIS VALVE IS INSTALLED UPSIDE-DOWN A REVERSE CARTRIDGE IS NOT AVAILABLE. CONSEQUENTLY, VALVE MUST BE REMOVED & RE-INSTALLED 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.

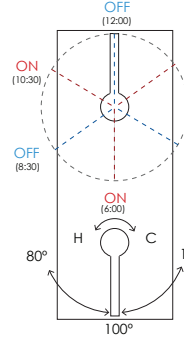
FUNCTION

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 in 12:00, 8:30 and 3:30

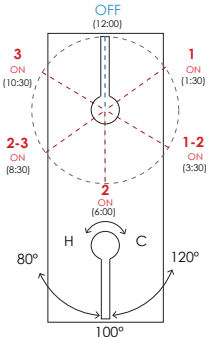


The **R1055BD** valve has two shared positions.

The operation is dedicated or shared between two outlets. There are 5 on positions and 1 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, 8:30, 6:00, 3:30 and 1:30
 The off positions will be 12:00

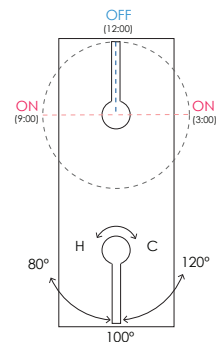


The **R1052BD** valve is Calgreen compatible

The operation is dedicated and only one outlet will operate at a time. There are 2 on positions and 1 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 9:00 and 3:00
 The off positions will be in 12:00

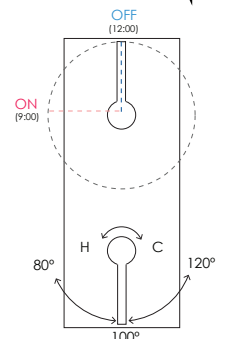


The **R1051BV** valve.

The operation is dedicated and only one outlet will operate at a time. There are 1 on position and 1 off position. It is suggested the 12 O'clock position be the off position.

Installer will need to set:

The on positions will then be on 9:00
 The off positions will be 12:00



INSTALLATION INSTRUCTIONS

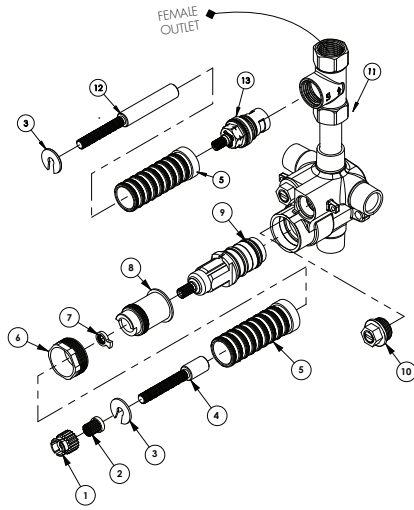
► THERMOSTATIC VALVE W/ VOLUME CONTROL

R1051BV- SHUT OFF VALVE

NOTE: Breakdown only for
VALVE w/ Volume Control (Shutoff valve)

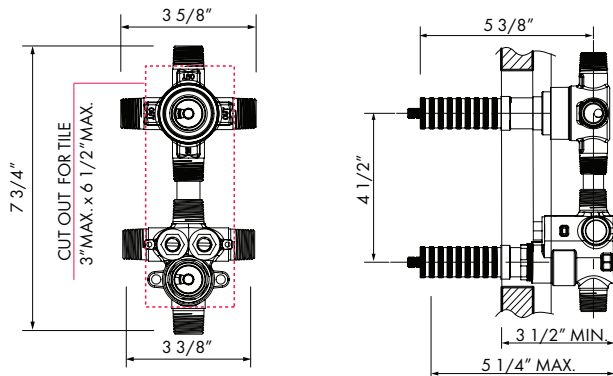
CAP TO CLOSE UNUSED
OUTLETS INCLUDED.
IF LOWER PORT IS USED,
INSTALL A VOLUME CONTROL.
DO NOT USE UPPER & LOWER PORTS
AT THE SAME TIME

#	PART #	DESCRIPTION	QTY
1	30238	COUNTRY ADAPTOR	1
2	30230	STEM ADAPTOR FOR PERRIN & ROWE	1
3	10333	C- WASHER STABILIZER	2
4	10332	20 FT. BROACH EXTENSION	1
5	11320	M24X1.0 EXTENSION	2
6	11318	RETAINER NUT	1
7	11320	SAFETY & MECHANICAL STOP	1
8	11319	CARTRIDGE RETAINER SLEEVE	1
9	10425	CARTRIDGE VALVE, THERMO	1
10	2-130	SHUT OFF NUT, MINI THERMO	2
11	2-179	BRAZED THERMO W/ SHUTOFF VALVE	1
12	30233	20 FT. BROACH EXTENSION	1
13	10258	CARTRIDGE, VALVE 1/2", HOT	1



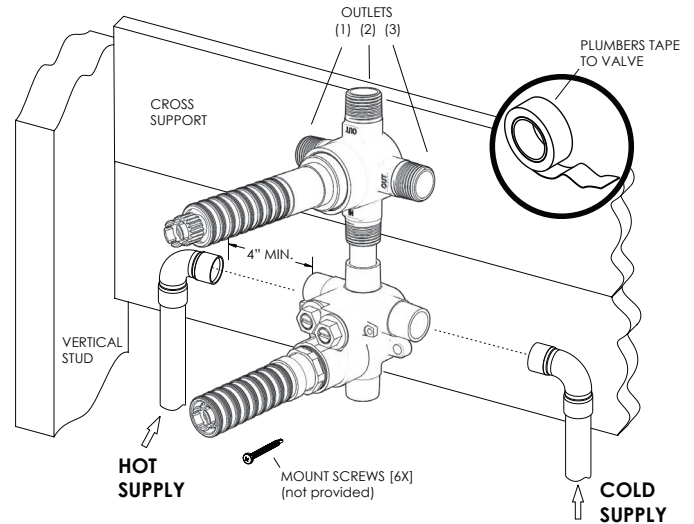
ROUGH IN DIMENSIONS

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



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.



WATER CONNECTIONS

Attach OUTLET (1) to the shower head and outlets (2) and (3) to any optional devices, such as hand shower or body sprays. Any outlet not being used must be plugged. Pre-assemble fittings before attaching to valve. Attach the "COLD" INLET to COLD SUPPLY and "HOT" INLET to HOT SUPPLY using copper supply lines.

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

ATTENTION: Use plumber's tape or thread sealant to all threaded port joints & attach to valve. All soldering/brazing of fittings shall be performed a minimum of 4" away for the 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

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 a 11/16" adjustable wrench, if possible.

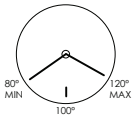
Gently pull the cartridge out of the housing body (rotating cartridge while pulling may assist in removal). Clean the cartridge by rinsing it under running water to remove any possible debris.

Wipe cartridge and rough housing clean and apply a thin film of NON-PETROLEUM GREASE to o-rings on

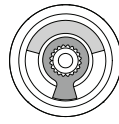
Carefully install the cartridge back into the housing body and tighten nut to 10 ft-lbs (13,56 nm).

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

Fully open temporary shutoff screws and check for leaks. Check operation of flow. If improved, proceed to reinstall extensions, trim & plate; otherwise, CHECK VALVES.

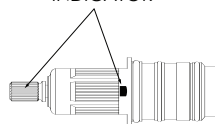


FRONT VIEW



6 O'Clock Position

TOP VIEW INDICATOR



12 O'Clock Position

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.

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.

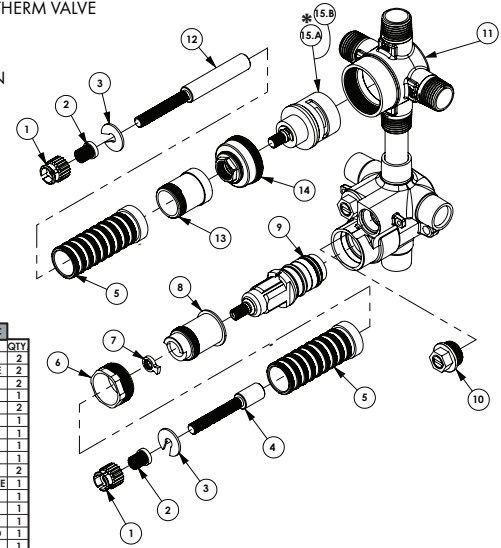
NOTE: Do NOT use oil based lubricants as this may cause o-rings to dry out over time and crack.

PARTS BREAKDOWN

► SINGLE/SHARED OPERATION THERM VALVE W/ 3 WAY DIVERTER

R 1050BD - SINGLE FUNCTION
R 1055BD - SHARED FUNCTION

NOTE: Breakdown only for VALVE w/ 3 way diverter



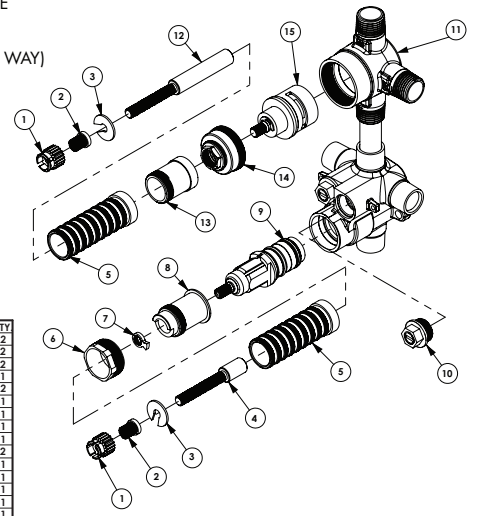
CAP TO CLOSE UNUSED OUTLETS INCLUDED IF LOWER PORT IS USED. INSTALL A VOLUME CONTROL DO NOT USE UPPER & LOWER PORTS AT THE SAME TIME

#	PART #	DESCRIPTION	QTY
1	30238	COUNTRY ADAPTOR	2
2	30230	STEM ADAPTOR FOR PERRIN & ROWE	2
3	10333	C-WASHER STABILIZER	2
4	10332	20 FT. BROACH EXTENSION	1
5	11320	M24X1.0 EXTENSION	2
6	11318	RETAINER NUT	1
7	11320	SAFETY & MECHANICAL STOP	1
8	11319	CARTRIDGE RETAINER SLEEVE	1
9	10625	CARTRIDGE VALVE, THERMO	1
10	2-130	SHUT OFF NUT, MINI THERMO	2
11	2-132	BRAZED THERMO W/ DIVERTER VALVE	1
12	30233	20 FT. BROACH EXTENSION	1
13	30232	EXTENSION SLEEVE	1
14	30349	NUT CAP FOR 3 WAY DIVERTER	1
15A	11297	CARTRIDGE, DIVERTER NON-SHARED	1
15B	11417	CARTRIDGE, DIVERTER SHARED	1

► SINGLE OPERATION THERM VALVE W/ 2 WAY DIVERTER

R 1052BD- SINGLE FUNCTION (2 WAY)

NOTE: Breakdown only for VALVE w/ 2 way diverter



CAP TO CLOSE UNUSED OUTLETS INCLUDED IF LOWER PORT IS USED. INSTALL A VOLUME CONTROL DO NOT USE UPPER & LOWER PORTS AT THE SAME TIME

#	PART #	DESCRIPTION	QTY
1	30238	COUNTRY ADAPTOR	2
2	30230	STEM ADAPTOR FOR PERRIN & ROWE	2
3	10333	C-WASHER STABILIZER	2
4	10332	20 FT. BROACH EXTENSION	1
5	11320	M24X1.0 EXTENSION	2
6	11318	RETAINER NUT	1
7	11320	SAFETY & MECHANICAL STOP	1
8	11319	CARTRIDGE RETAINER SLEEVE	1
9	10625	CARTRIDGE VALVE, THERMO	1
10	2-130	SHUT OFF NUT, MINI THERMO	2
11	2-132	BRAZED THERMO W/ DIVERTER VALVE	1
12	30233	20 FT. BROACH EXTENSION	1
13	30232	EXTENSION SLEEVE	1
14	30349	NUT CAP FOR 3 WAY DIVERTER	1
15	11567	CARTRIDGE, DIVERTER NON-SHARED	1