



## BRASSTECH NWP-1-684 2 gpm Shower Trim with Single Cross Handle Instruction Manual

[Home](#) » [BRASSTECH](#) » BRASSTECH NWP-1-684 2 gpm Shower Trim with Single Cross Handle Instruction Manual 

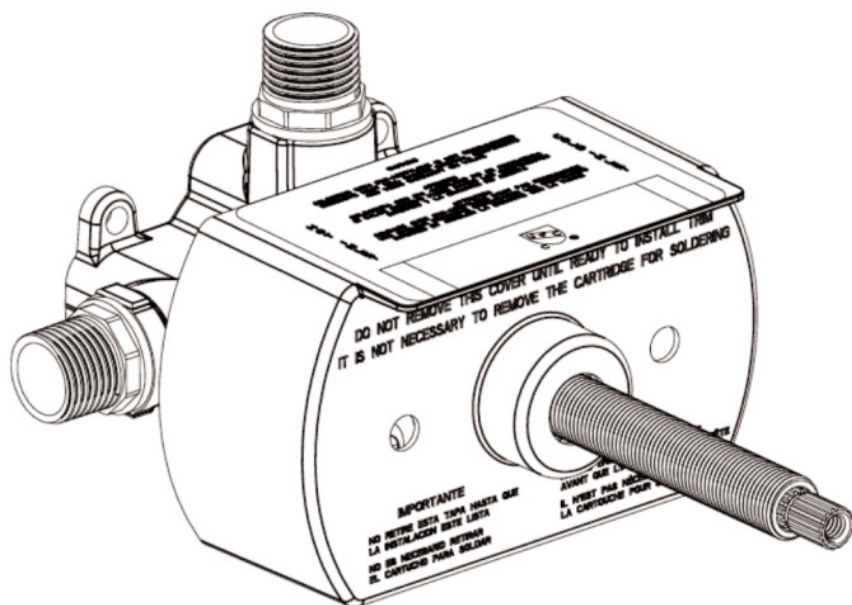


### INSTALLATION INSTRUCTIONS ROUGH INSTALL

#### Contents

- [1 NWP-1-684 2 gpm Shower Trim with Single Cross Handle](#)
- [2 Recommended Installation by Professional Plumbing Contractor](#)
- [3 Setting the Temperature Limit Stop](#)
- [4 Cartridge Removal And Replacement](#)
- [5 Troubleshooting](#)
- [6 Documents / Resources](#)

**NWP-1-684 2 gpm Shower Trim with Single Cross Handle**



Congratulations on the purchase of your Brasstech product, an excellent choice that will give you years of quality service and enhance the look and style of your home.

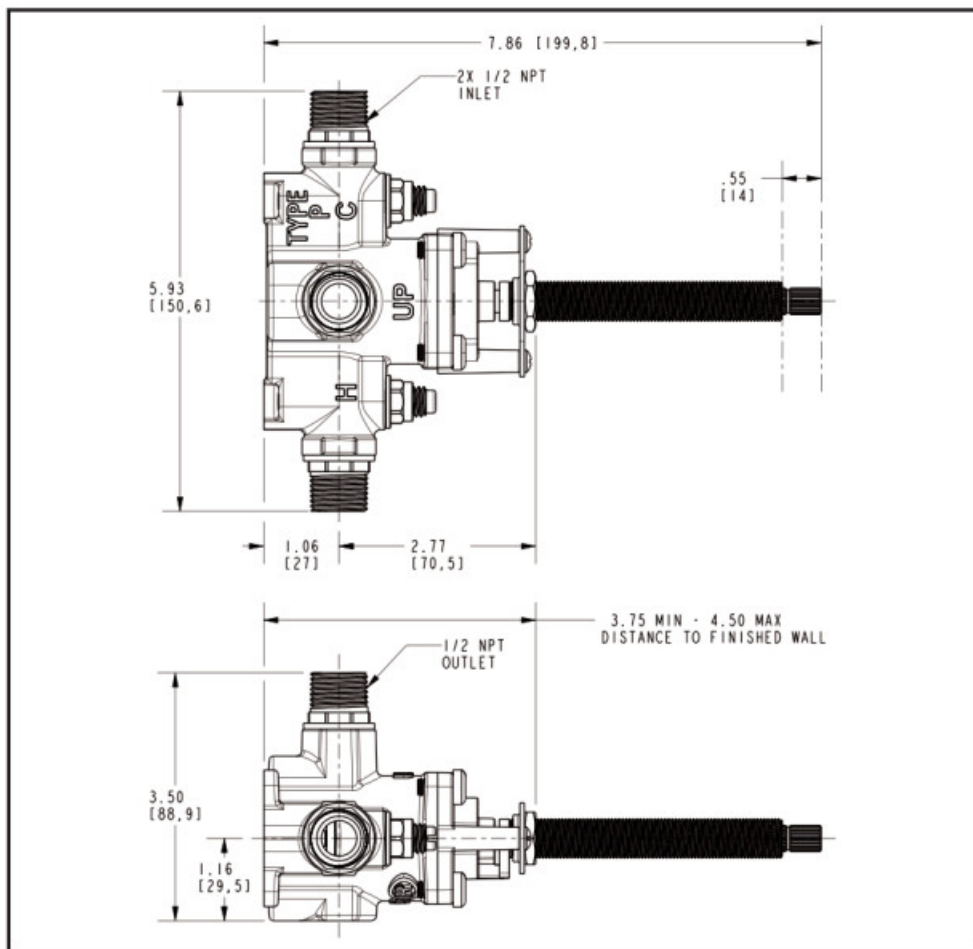
**Balanced Pressure Tub / Shower Set Specification Diagram**

**Note:** This valve is designed to fit in a 2" X 4" stud wall (or thicker) installation. Use stem extension kit #1-249 (sold separately) if valve installed is too far away from finished wall.

**SPECIFICATIONS**

Min. Operating Pressure :	20 ft
Max. Operating Pressure :	125
Max. Burst pressure :	500
Max. Hot water temp :	180
Flow rate in UGSPM [1/min] @ 50 psi [345 KPa]	

	Tub	Shower
1-684	—	5.8



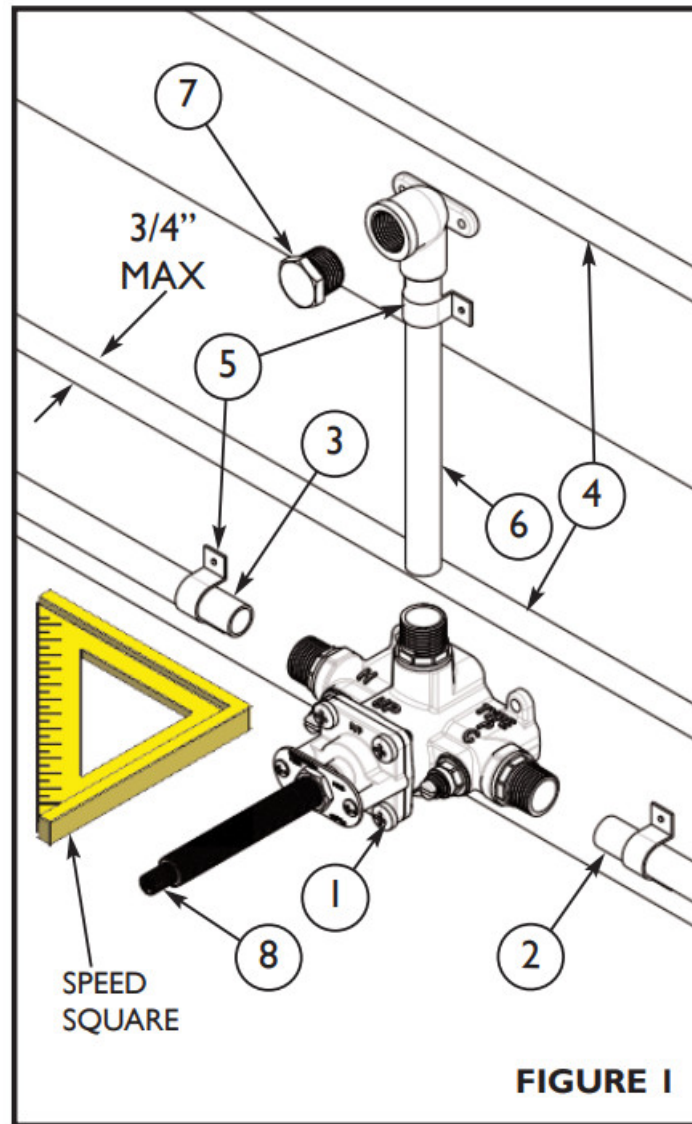
All Threaded Connections are 1/2" NPT

Dimensions are in Inches and Approximation of a Typical Installation

## Recommended Installation by Professional Plumbing Contractor

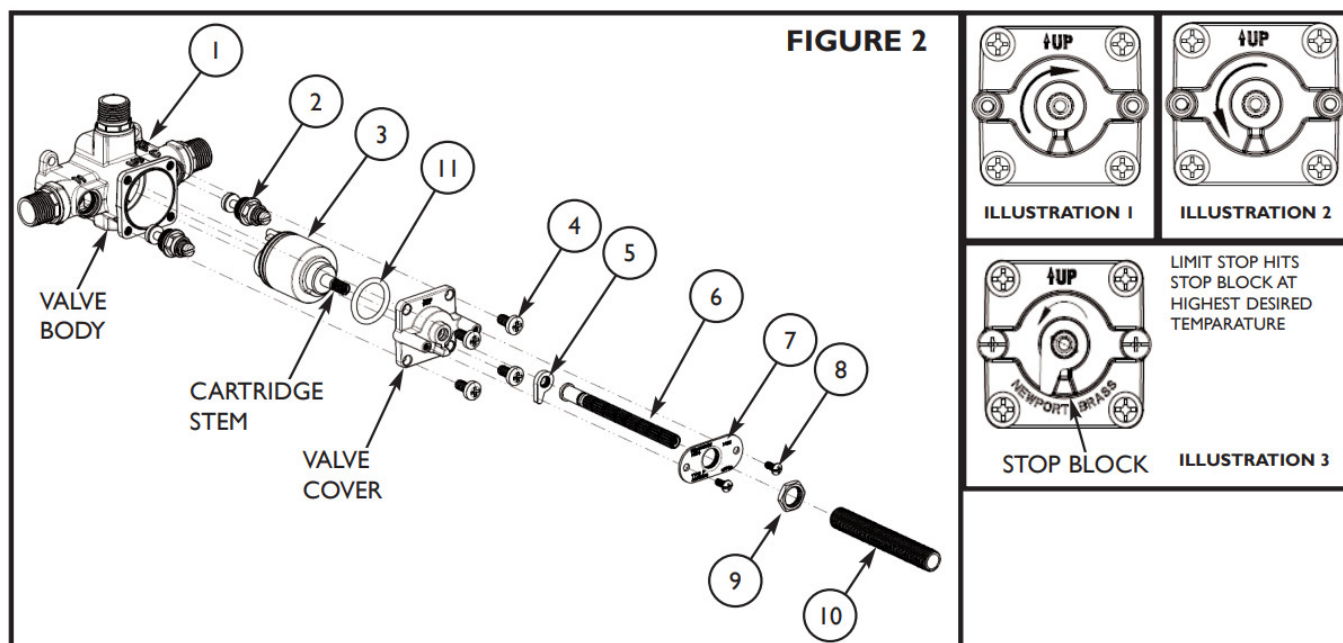
### Valve Assembly

1. Construct a 3/4" MAX thick CROSS BRACE (4) with its front side 3.75" to 4.5" away from the finished wall. Use screws (not provided) to position and secure VALVE (1) as shown in FIGURE 1.  
**Note:** Use a SPEED SQUARE to ensure STEM (8) is perpendicular horizontally and vertically to the stud face/finished wall.
2. Connect valve body to Hot (3) & Cold (2) water supply using proper fittings. Whenever possible, it is best to perform all solder/brazing operations prior to attachment to VALVE (1). WARNING: If copper pipe soldered directly to valve inlet/outlet, avoid soldering at high temperature; ensure STOPS and cartridge are fully open (counterclockwise as shown in FIGURE 4 to prevent overheat and part damage).
3. Use PERFORATED STRAP (5) or equivalent to secure SUPPLY (2,3) to CROSS BRACE (4).
4. Connect valve body to SHOWER RISER (6) top.
5. Use PERFORATED STRAP (5) to secure SHOWER RISER (6) to CROSS BRACE (4).
6. Use PLUG (7) to cap the outlet. Turn on both water supplies, turn valve STEM (8) counterclockwise to open and check for leaks. Note: Water pressure must be applied to both hot and cold inlet ports for proper valve operation.
7. After inspection turn off water supply.



### Setting the Temperature Limit Stop

1. Shown in FIGURE 2, unscrew two SCREWS (8) to remove all-thread NIPPLE (10), HEX NUT (9) and STEM PLATE (7). Remove STEM (6) and LIMIT STOP (5).
  2. Close the valve by turning the CARTRIDGE STEM clockwise until it stops, (ILLUSTRATION 1).
  3. From the CLOSED position, rotate CARTRIDGE STEM counterclockwise until the desired temperature is achieved. (ILLUSTRATION 2).
- Note:** CARTRIDGE STEM will rotate approx. 150 degrees counterclockwise from CLOSED to full HOT position.
4. Place the LIMIT STOP (5) on the CARTRIDGE STEM against the stop block (ILLUSTRATION 3). Rotate several times to make sure the stop is at the desired temperature setting.
  5. Re-install the STEM (6) and use SCREWS (8) to re-install the STEM PLATE (7), all thread NIPPLE (10), and HEX NUT (9).



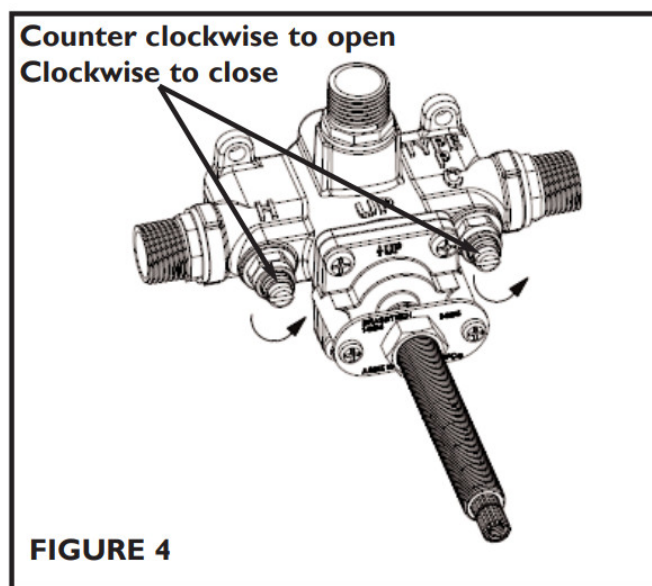
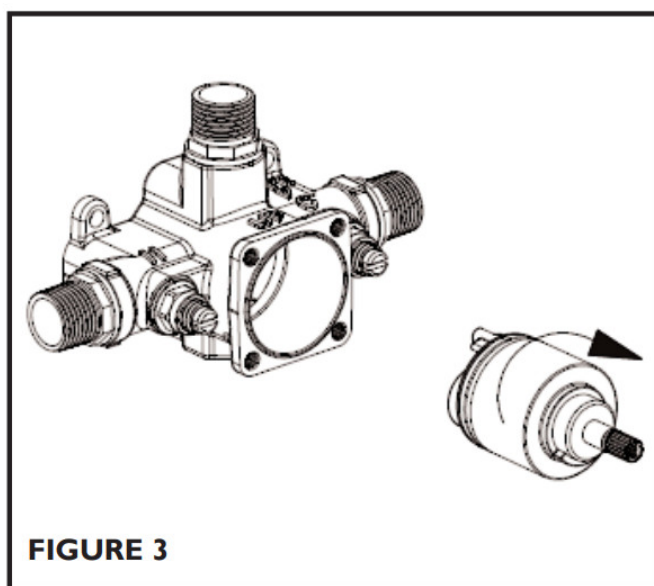
## Cartridge Removal And Replacement

1. Shown in FIGURE 2, unscrew two SCREWS (8) to remove all-thread NIPPLE (10), HEX NUT (9) and STEM PLATE (7). Remove STEM (6) and LIMIT STOP (5).
2. Remove the four COVER SCREWS (4), VALVE COVER and compression O-RING (11).
3. Grab CARTRIDGE STEM and carefully pull CARTRIDGE (3) out of the VALVE BODY.
4. Replace CARTRIDGE (3) ensuring that the cartridge's O-RINGS (not shown) are in place and lubricated with plumbers (non-petroleum) grease.
5. Once the CARTRIDGE (3) is installed, it is very important to confirm that the cartridge's tabs (backside) is correctly locked into the VALVE BODY mating hole.
6. Re-install the compression O-RING (11), VALVE COVER and tighten COVER SCREWS (4) firmly into place.
7. Re-install LIMIT STOP (5) as described above in Setting the Temperature Limit Stop.
8. Re-install the STEM (6) and use SCREWS (8) to re-install the STEM PLATE (7), all thread NIPPLE (10), and HEX NUT (9).

**Warning:** Do not forcefully close CARTRIDGE STEM.

## Troubleshooting

OBSERVATION	CAUSE	REMEDY
Opening immediately to hot water	Hot and cold water supplies have been connected in reverse.	Rotate cartridge 180 degrees. (FIGURE 3)
Water drips after shutting off the valve, eventually stops.	Residual water in valve and piping.	Allow a few minutes to fully drain.
Water drips after shutting off the valve, never stop.	O-ring seal on the inlet of the cartridge or seat assembly is damaged.	Check the O-ring and seat for cuts or overheating damage during installation. Replace if necessary.
Water insufficiently hot.	LIMIT STOP (2) incorrectly set	Refer to the instruction on "Setting the Temperature Limit Stop"
Valve stem not long enough to install trim.	Valve installed too deep into wall.	Reposition valve or use Extension Kit# 1-249
No or low flow of hot or cold water.	Hot or cold side is not fully pressurized.	Ensure STOPS are fully open
	Debris caught inside the inlet of the cartridge	Clean or replace CARTRIDGE
Clicking or chattering noise	Rapid movement of anti-scald mechanism within valve.	Normal operation. Sudden open/close of valve could exacerbate noise. Mitigate by slower handle rotation at on/off



Technical support: 1-866-417-5207

Customer Service: 1-877-747-4671

NWP-1-684 REV F

NWP-1-684

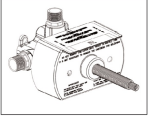
REV F

EN-4576

2001 Carnegie Ave, Santa Ana CA 92705

(949) 417-5207

## Documents / Resources

 <p>INSTALLATION INSTRUCTIONS ROUGH INSTALL</p> <p>BRASSTECH</p> <p>"Congratulations on the purchase of your Brasstech product, an excellent choice that will give you years of quality service and enhance the look and style of your home."</p>	<p><a href="#">BRASSTECH NWP-1-684 2 gpm Shower Trim with Single Cross Handle</a> [pdf] Instruction Manual</p> <p>NWP-1-684 2 gpm Shower Trim with Single Cross Handle, NWP-1-684, 2 gpm Shower Trim with Single Cross Handle, with Single Cross Handle, Cross Handle, Handle</p>
--	---