

# Thermostatic Systems

Examples with Rough-In Valve Options



1 Function

SATH-8010  
(1-Way / Non-Shared)



2 Functions

SATH-8210  
(2-Way / Non-Shared)  
SATH-8212  
(2-Way / 1 Shared)



3 Functions

SATH-8310  
(3-Way / Non-Shared)  
SATH-8313  
(3-Way / 2 Shared)

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**SANTEC**  
FLUID IMAGINATION

Shower Pressure Balance Valves  
Floor Mount Tub Filler Valves  
Shower Thermostatic Valves



v.6-22



For your convenience, these products are stocked in our Central Service Center. Orders placed before noon are available within 1 business day.

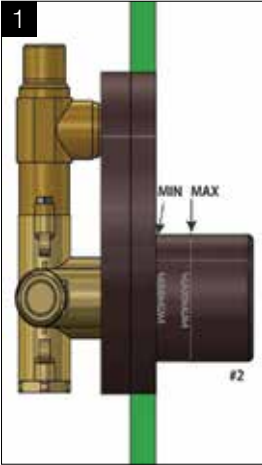
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# Valves / Diverters

	Series	Pipe Size	GPM	Diverts	Shared Function?	Price		
<b>Pressure Balance Valves</b>								
	<b>SAPB-3600</b>	Pressure Balance Control Valve (for systems with 1 function)	E-Series	1/2"	4-5	1-Way	No	\$209.79
	<b>SAPB-3750</b>	Pressure Balance Control with Diverter Valve (for systems with 2 functions - sharing not possible)	E-Series	1/2"	4-5	2-Way	No	\$245.43
<b>Floor Mount Tub Filler Valves</b>								
	<b>SAP0385</b>	Roman Tub Filler Complete Set	E-Series	3/4"	14-16	N/A	No	\$240.57
	<b>SAP0800</b>	Floor Mount Tub Filler Valve	E-Series	1/2"	16	N/A	No	\$341.82
	<b>N/A</b>	Designer Series Floor Mount Tub Fillers Include Valve	Designer	1/2"	8-9	N/A	No	N/A
<b>Thermostatic Valves</b>								
	<b>SATH-8010</b>	1/2" Therm Valve with Volume Control (for systems with 1 function)	Both	1/2"	6	1-Way	No	\$319.95
	<b>SATH-8210</b>	1/2" Therm Valve with Volume Control/2-Way Diverter (for systems with 2 functions / non-shared)	Both	1/2"	6	2-Way	No	\$390.42
	<b>SATH-8212</b>	1/2" Therm Valve with Volume Control/2-Way Diverter (for systems with 2 functions / 1 shared)	Both	1/2"	6	2-Way	Yes	\$390.42
	<b>SATH-8310</b>	1/2" Therm Valve with Volume Control/3-Way Diverter (for systems with 3 functions / non-shared)	Both	1/2"	6	3-Way	No	\$400.95
	<b>SATH-8313</b>	1/2" Therm Valve with Volume Control/3-Way Diverter (for systems with 3 functions / 2 shared)	Both	1/2"	6	3-Way	Yes	\$401.32
	<b>SATH-5034</b>	3/4" Therm Control Valve (for systems that require individual control over each function)	Designer	3/4"	20	1-Way	No	\$378.49

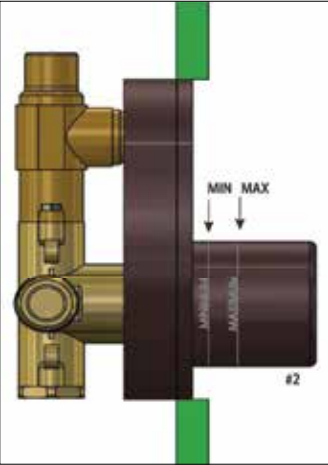
# Thermostatic Valve Installation Instructions

TH-8000 / TH-8200



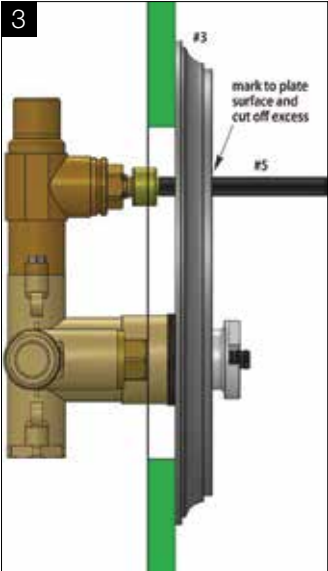
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TH-8202 / 8300 / 8303

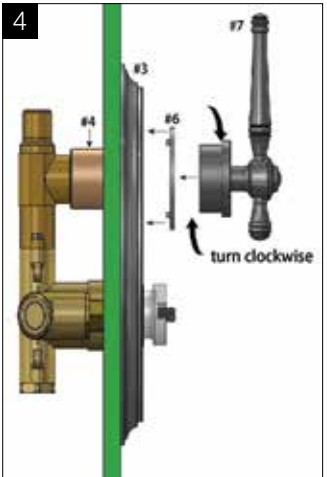


2

- Rough in the valve, lining the surface of the finished wall to the mudguard min/max line.

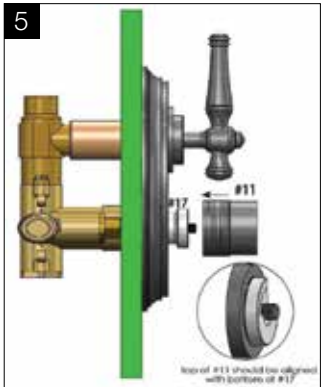


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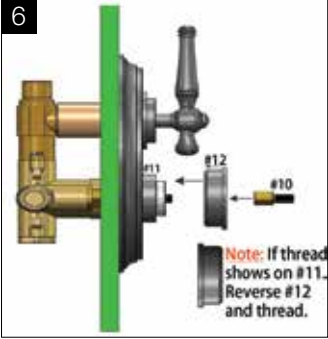
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- Once #4 is cut to the surface, insert #5 broach extension.
- Mark to surface of plate #3, remove and **cut off excess broach extension**.
- Re-install parts #4 and #5.

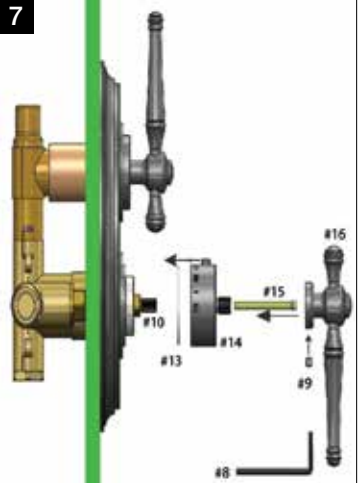


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- Place #3 plate up against finished wall over valve.
- Screw all thread extension #4 onto the volume control / diverter valve until it stops.
- Mark #4 to the surface of the plate.
- Remove it and **cut off excess thread extension**.
- Screw on threaded sleeve #11 onto thermostatic valve. Tighten all the way. The top of #11 threaded sleeve should be aligned to the bottom of #17 temperature restrictor.




6



7

- Hand tighten thermostatic flange #12 to threaded sleeve #11. Make sure #12 is flush against finished wall.
- Insert broach extension #10 onto thermostatic stem.
- Insert teflon washer #13 to bottom of #14.
- Insert the thermostatic dial #14 with the 100° pointing to the 12 o'clock position over the extension broach #10.
- Secure with the provided long screw #15 and **cut excess length to fit**.
- Assemble the thermostatic handle #16 onto the thermostatic dial #14 and tighten with the set screw #9.
- Note: Make sure the lever is pointing to 6 o'clock position.

Shower System Installation Highlights



<https://youtu.be/PbJhOVvr2GU>