



Sanicare®

# THERMOSTATICALLY CONTROLLED MIXER VALVE INSTALLATION GUIDE



Providing Temperature  
Regulated Warm Water  
to your Sanicare  
Hand Spray Bidet

**T**he Sanicare Thermostatically Controlled Mixer Valve allows you to precisely control the temperature of the warm water for your Hand Spray Bidet. When used with the Sanicare Hand Spray Wall Mount Bracket with Integrated Automatic Shut-Off Valve it provides the ultimate hand spray bidet installation.

***There are two general types of installations:***

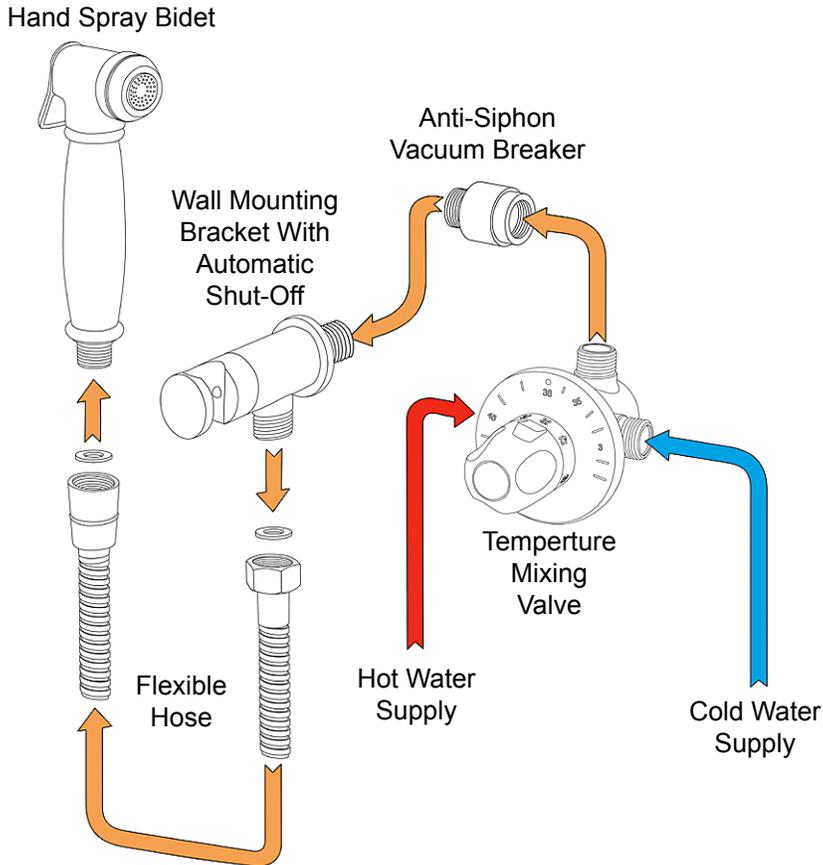
Retrofit installation into the sidewall of the vanity (basin) cabinet when the cabinet is located next to the toilet. This is the easiest and most convenient installation since all the plumbing is done inside the Vanity Cabinet and does not require access to the inside of the bathroom walls.

New Construction or In-Wall Plumbing Retrofit Installation is required if the vanity cabinet is not located conveniently beside the toilet or if you do not wish to install your Hand Bidet on the side of the Vanity Cabinet.



# Overview of General Installation of Thermostatic Mixing Valve

to provide temperature regulated water to your Sanicare Hand Spray Bidet



The hot and cold supply lines to the mixer valve must be equipped with shut off valves (stops) to allow for servicing of the mixer valve and to shut-off the water in the event of a leak or rupture.

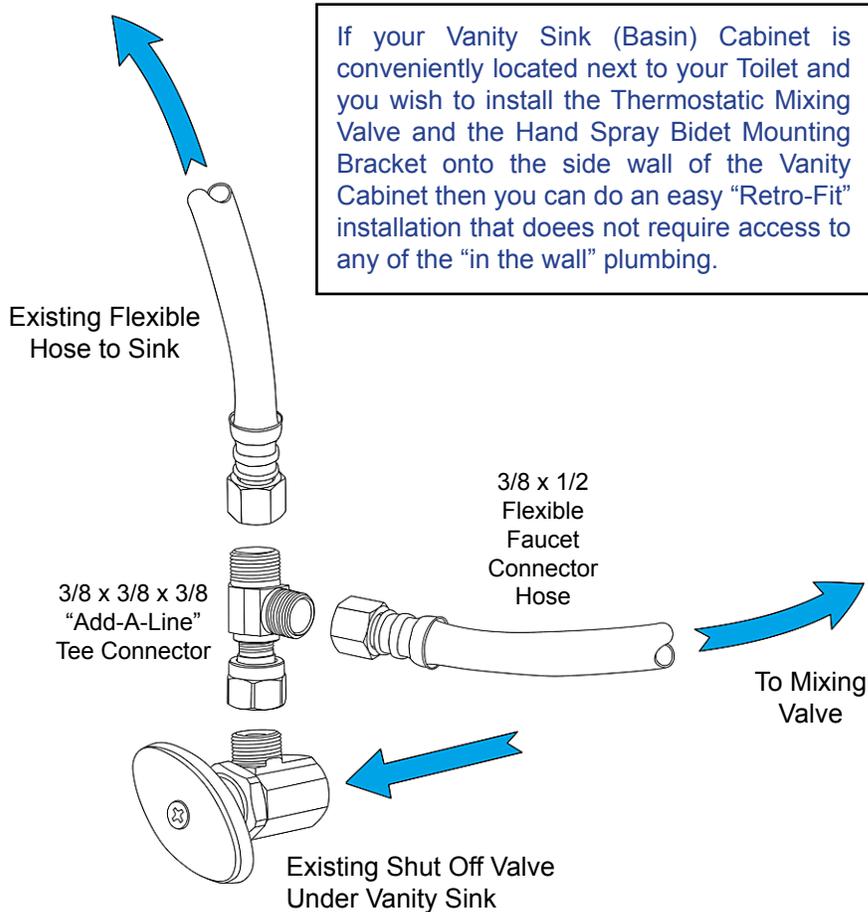
An anti-siphon (back flow restrictor) valve must be installed between the Hand-Bidet and the Thermostatic Mixer Valve to prevent any contaminated toilet water from siphoning back into the supply lines in the event that the hand-Bidet falls into the toilet bowl and there is a loss of line pressure.

A shut off valve must be installed before the Hand-Bidet flexible hose and should be turned off whenever the Hand-Bidet is not in use. This is a standard plumbing practice that should be used whenever a flexible hose is used (such as with a washing machine) to protect your property from water damage in the event that a hose fails or ruptures.

For elegance of installation and ease of use we highly recommend the use of our Wall Bracket with Integrated Automatic Shut-Off Valve that shuts off the water supply when the Hand-Bidet Spray Handle is inserted in the Wall Bracket.

# Vanity Cabinet Installation of Thermostatic Mixing Valve

Use when your Vanity Cabinet is located next to your toilet and you wish to install the Mixer Valve and Hand Spray Bidet onto the side of the Vanity Cabinet.



Refer to the diagram on the previous page:

1. First determine the placement locations for the Hand Spray Wall Mounting Bracket and the Mixing Valve. Make sure that these locations are ergonomically comfortable to reach when you are sitting on the toilet. Also make sure that these locations provide for adequate working room inside the Vanity Cabinet and don't interfere with the Sink/Basin location.
2. Cut the necessary holes into the side of the vanity Cabinet and mount both the Thermostatic Mixer Valve and the Hand Spray Wall Mounting Bracket.
3. Shut off the hot and cold water supply lines at the Shut-Off Valves under the vanity and release the pressure by turning on both the hot and cold faucets.
4. Unscrew the end of the Flexible Hose from the Cold Water Shut-Off Valve and install a Tee Connector. Then Re-connect the Flexible Faucet Hose to the top of the Tee Connector.
5. Connect a suitable length of 3/8 x 1/2 Flexible faucet Hose to the branch of the Tee Connector and connect the other end of the hose to the Cold Water Inlet of the Mixing Valve.
6. Repeat steps 4 & 5 for the Hot Water hoses.
7. Connect the Anti-Siphon Vacuum Breaker (Back flow preventer) to the top outlet of the Mixing Valve.
8. Install a suitable length of 1/2 x 1/2 Flexible Faucet Hose to the outlet of the Vacuum Breaker and connect it to the inlet of the Hand Spray Mounting Bracket.

Note: If space is tight or the Vacuum Breaker requires a specific orientation, you may wish to add one or more 1/2 x 1/2 x 90 deg. Street Elbow fittings to achieve a tighter radius curve than is possible with the flexible hoses.

9. Insert a washer between the hex nut end of the Hand Spray Bidet Flexible Hose and connect it to the outlet of the Wall Mounting Bracket.
10. Before connecting the Hand Spray Bidet to the Flexible hose you will need to flush the new plumbing you have just installed to rid the system of any dirt particles. Point the end of the Flexible Hose into the Toilet bowl while you turn on the Hot & Cold Shut-Off Valves to flush the system. Turn the valves back off.
11. Using another rubber washer between the Flexible Hose and the hand Spray Bidet Nozzle and tighten the connection.
12. Now turn both Shut-Off Valves back on and check the new plumbing for any leaks.

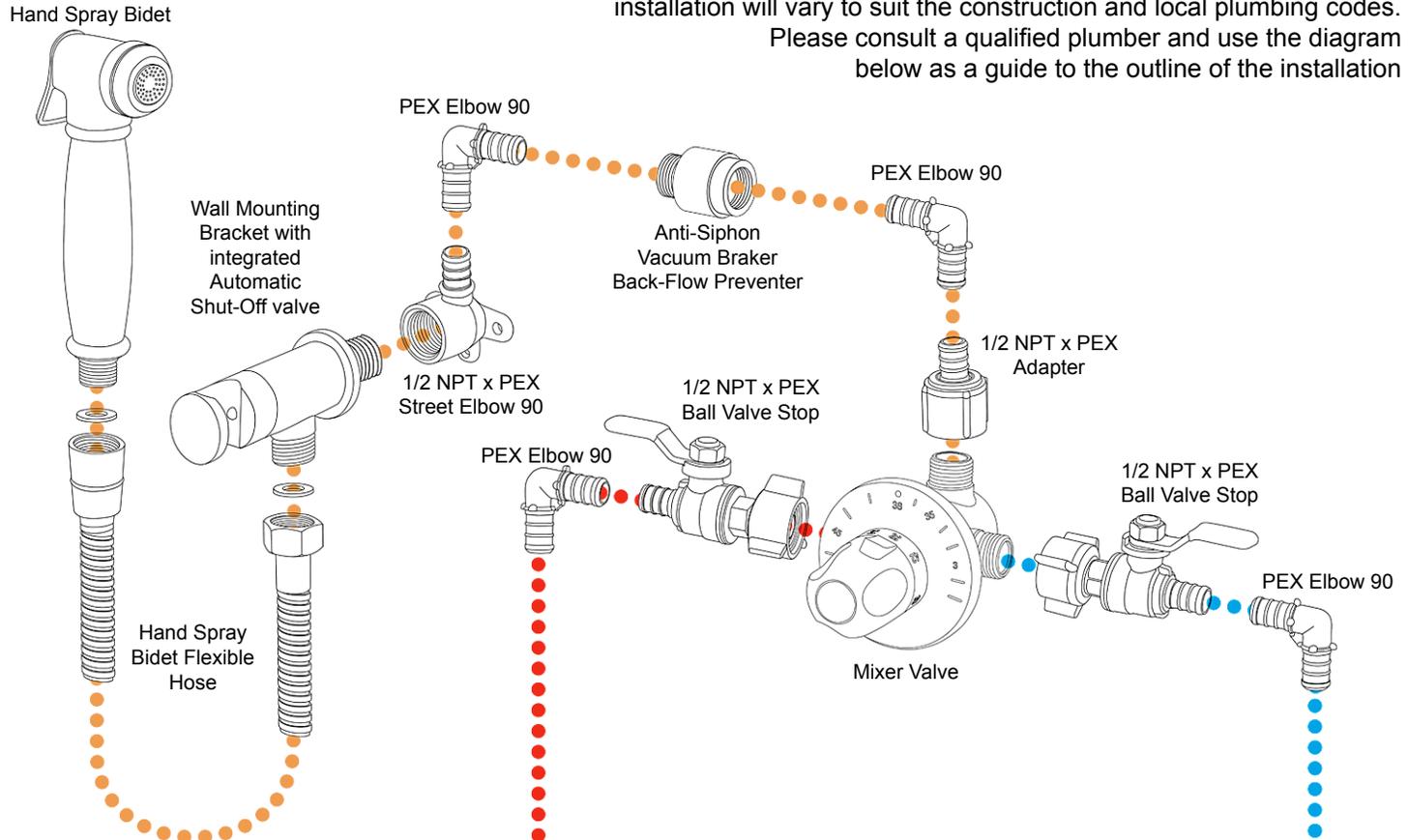
This completes your Retro-Fit installation !



# In-Wall New-Construction or Retro-Fit Installation of Thermostatic Mixing Valve

Select the preferred locations for the Thermostatic Mixing Valve and Hand Spray Bidet Wall Mount Bracket giving careful consideration to the convenience and ergonomics when seated on the toilet. Depending on the location, access to water supply lines, access to the other side of the wall, etc. your particular installation will vary to suit the construction and local plumbing codes.

Please consult a qualified plumber and use the diagram below as a guide to the outline of the installation





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