



TECHNICAL SERVICE DEPARTMENT
Technical Service Bulletin
1-800-432-8373



**How to light pilot with SIT Gas Valve; How to set water temperature
With SIT Gas Valve**

WARNING!

AVOID ANY DAMAGE TO THE DEVICE (KNOCKS,FALLS,ETC.). IN CASE OF FALL OF THE VALVE, IT IS RECOMMENDED NOT TO USE IT.

WARNING!

- Do not tamper with sealed parts.
- Do not loosen assembly screws.
- Do not remove labels and marking.

WARNING!

Observe recommended torques.
Use only specified spanner grips when making the connections (see Fig. 1 and Fig. 2).

WARNING!

DO NOT OPERATE THE DEVICE WHEN THE STORAGE WATER HEATER IS NOT FILLED WITH WATER.

OPERATION



STOP!

It is imperative that you read and follow all safety warnings before lighting the pilot burner. Refer to ANSI Z21.10 and ANSI Z21.78.

WARNING!

If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

WARNING!

Make certain that the water heater is completely filled with water before attempting to ignite the pilot burner or otherwise operate the gas control.

Note: All knob settings referenced to the reference arrow marks (a) in Fig. 3.


IMPORTANT: Always start operation from the OFF position of the control knob.



CAUTION!

Wait a minimum of (5) five minutes before attempting to re-light the pilot burner after the gas control has been switched to the OFF position and/or the pilot flame has been extinguished. Repeat the pilot ignition sequence starting from the OFF position. (Fig. 3)

Pilot flame ignition

Start from the OFF position (Fig.3). Rotate the control knob counter-clockwise  to the PILOT position (Fig.4). Press and hold the ignition button PILOT (b) for thirty (30) seconds or more and simultaneously press several times the Piezo Igniter button (c) to light the pilot flame (Fig.5). Release the ignition button PILOT and make sure that the

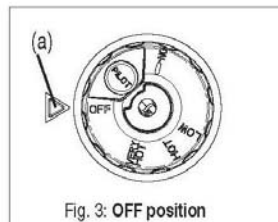


Fig. 3: OFF position



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pilot flame remains lit. If it goes out, repeat the ignition process, starting from the OFF position.

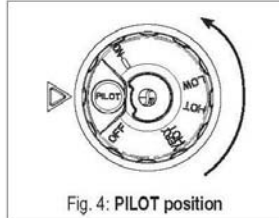


Fig. 4: PILOT position

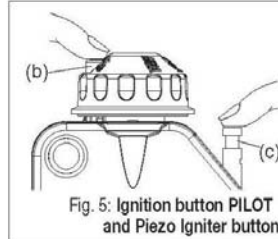



Fig. 5: Ignition button PILOT and Piezo Igniter button

Main burner ignition

Turn the control knob counter-clockwise  to the ON position (Fig.6). Gas will flow to the main burner when the water temperature stored within the appliance is lower than the set-point temperature.

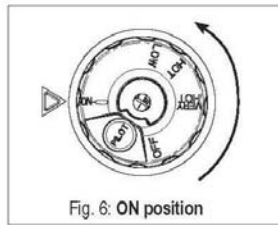



Fig. 6: ON position

78 degrees

Temperature setting

To increase the water temperature set-point rotate the control knob counter-clockwise  to the desired temperature setting (Fig.7). The gas path to the main burner opens when the water temperature within the appliance is lower than the temperature set-point.

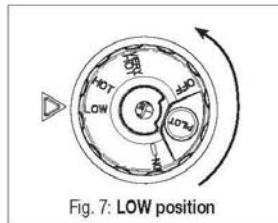



Fig. 7: LOW position

120 degrees

To decrease the water temperature set-point, rotate the control knob clockwise  to the desired temperature setting (Fig.8). The gas path to the main burner opens when the water temperature within the appliance is lower than the temperature set-point.

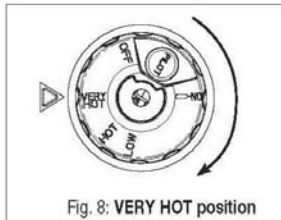


Fig. 8: VERY HOT position

160 degrees

This setting is very dangerous and will produce a scald in less than one second.

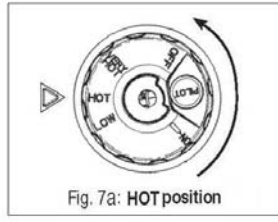



Fig. 7a: HOT position

135 degrees

Stand-by position

To maintain a flame at the pilot burner with the main burner off, turn the control knob clockwise  to the PILOT position (Fig.9).

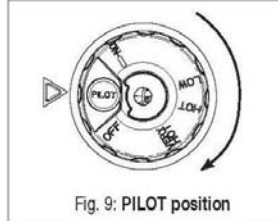


Fig. 9: PILOT position

Turning off

Turn the control knob clockwise  to the OFF position (Fig.10).

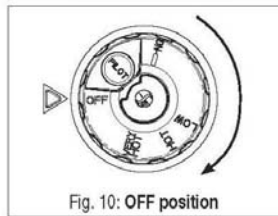


Fig. 10: OFF position