Manuals+ — User Manuals Simplified.

Ss brewtech 017.209.8 FTSs Touch Display User Guide

Contents

Ss brewtech 017.209.8 FTSs Touch Display

Product Information

The FTSs Touch is a temperature control system designed for homebrewing. It includes a display stand, connection node adapter, pump, knurled display knob, TC display mount, power supply, temp probe, 3/8 ID silicone tubing, cable strap, and hose clamp. The system can be used to control the temperature of your fermentation vessel, ensuring optimal brewing conditions and better beer quality.

Product Usage Instructions

Controller Assembly

1. Remove components from packaging.
2. Install the Touch Display on the display stand or TC Display Mount. (for TC Display Mount installation graphics)
3. Attach the Connection Node Adapter to the Display.
4. Attach the Temp Probe to the Connection Node Adapter. Note: To ensure longevity, keep the temperature probe out of prolonged contact with sanitizer and ensure the thermowell is completely dry before installing your probe or damage to the probe may result. Do not submerge the temperature probe in sanitizer or other cleaning fluids.
5. Apply Thermowell Cover to your tank's thermowell and insert the Temperature probe.
6. Attach Power Supply to Connection Node Adapter (Note: Do not connect Power Supply to power source until Step 10 and setup is complete).
7. Attach FTSs Pump to the Connection Node Adapter.

8. Optional – Attach FTSs Heating Pad to the Connection Node Adapter.
9. Wrap Cable Straps around wiring to keep cables neat.
10. Plug in Power Supply to power source. FTSs Touch Display should turn on.

Pump Assembly

1. Place the silicone pump inlet cover over the intake port of the submersible pump.
2. Lower pump into glycol basin (or ice water bath).
3. Run pump power cable outside of the glycol basin (or ice water bath). For the system, drill holes for the chilled water tubes and place the vinyl tubing hose clamp.

Product Operating Instructions

First-Time Setup Screen

When the system is powered on for the first time, you will see a first-time setup screen that will let you choose between Fahrenheit or Celsius and indicate if you have an FTSs Heating pad installed. These settings can be changed later from the settings screen so select the options that work best for you and then select COMPLETE SETUP. You will not see this screen again unless you factory reset your controller.

FTSs HEATER INSTALLED?

- YES
- NO

Start-Up Screen

When the system is powered on, you will see the Start Up Screen. From this screen, you can start fermentation at your last Target Temp or set temperature.

1. Select SET TEMPERATURE or tap the temperature value on the Start Up Screen.
2. Adjust up or down as desired.
3. Select the Return Arrow on the Start Up Screen.
4. Select START FTSs to begin operation.

Changing Set Temperature

1. Select SET TEMP or tap the temperature value on the main Temp Control Screen.
2. Adjust up or down as desired.
3. Select the Return Arrow on the Ferment Temp Screen. This will save the selected temperature.
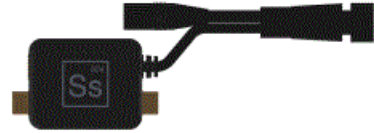
OVERVIEW

IN THE BOX
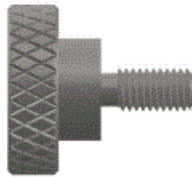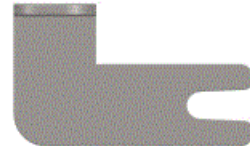
FTSs Touch Display

Display Stand

Connection Node Adapter

Pump

Knurled Display Knob

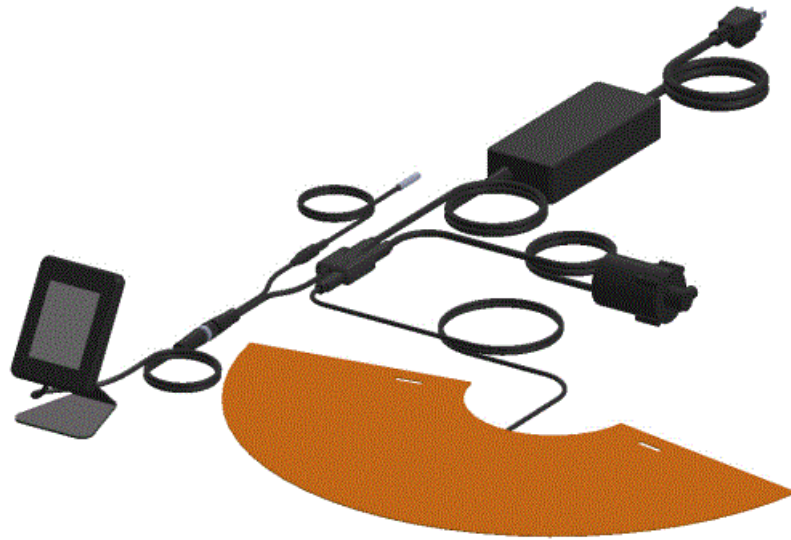TC Display Mount

Power Supply

Temp Probe

3/8" ID Silicone Tubing

(4) Cable Strap

(2) Hose Clamp

SYSTEM OVERVIEW

The basic principle of the Fermentation Temperature Stabilization System (FTSs) is to pump chilled glycol mix or water through the immersion coil when the temperature of your wort is greater than the controller set temp. While the system is designed to be used with our Ss Glycol Chillers, it can also be used with a chilled ice water bath in a cooler. If using ice water in a cooler, the submersible pump will be placed in the bottom of the cooler. The FTSs is intended to be a low pressure closed loop system. Water or glycol pumped from the cooler to the fermenter is then returned to the cooler to be used again. If your setup requires more distance from the fermenter to the cooler, you can purchase common vinyl tubing at most hardware stores. Note, pumping beyond 10 feet will negatively affect efficiency.

The FTSs Touch | Heating Pad is an optional accessory (sold separately). In Chilling & Heating Mode, the controller will activate the low wattage heating pad when the temperature of your liquid is less than the controller's set temp. Convective heat transfer will occur within the liquid until its temperature reaches the desired set temp. This key characteristic ensures that hot spots don't form within the fermenter, which could negatively impact fermentation.

INSTRUCTIONS

CONTROLLER ASSEMBLY

1. Remove components from packaging.
2. Install Touch Display on Display Stand or TC Display Mount. (for TC Display Mount installation graphics)

3. Attach Connection Node Adapter to Display.

4. Attach Temp Probe to Connection Node Adapter.
    - **NOTE:** To ensure longevity, keep the temperature probe out of prolonged contact with sanitizer and ensure the thermowell is completely dry before installing your probe or damage to the probe may result. Do not submerge the temperature probe in sanitizer or other cleaning fluids.
5. Apply Thermowell Cover to your tank's thermowell and insert Temperature probe.
6. Attach Power Supply to Connection Node Adapter (Note: Do not connect Power Supply to power source until Step 10 and setup is complete).
7. Attach FTSs Pump to the Connection Node Adapter.

8. Optional – Attach FTSs Heating Pad to the Connection Node Adapter.
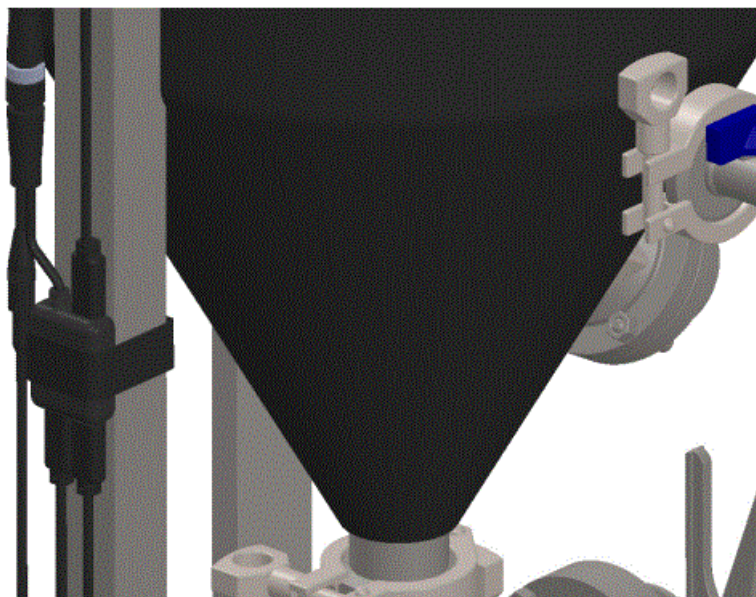
9. Wrap Cable Straps around wiring to keep cables neat.

10. Plug in Power Supply to power source. FTSs Touch Display should turn on.

PUMP ASSEMBLY

1. Place the silicone pump inlet cover over the intake port of the submersible pump.
   - **NOTE:** If using a Ss Glycol Chiller, reference the Ss Glycol Chiller Quick Start Guide for pump assembly instructions involving the Glycol Chiller Lid.

Silicone Tubing

Hose Clamp

Pump Outlet

Pro Grade Submersible Pump

Pump Inlet Cover
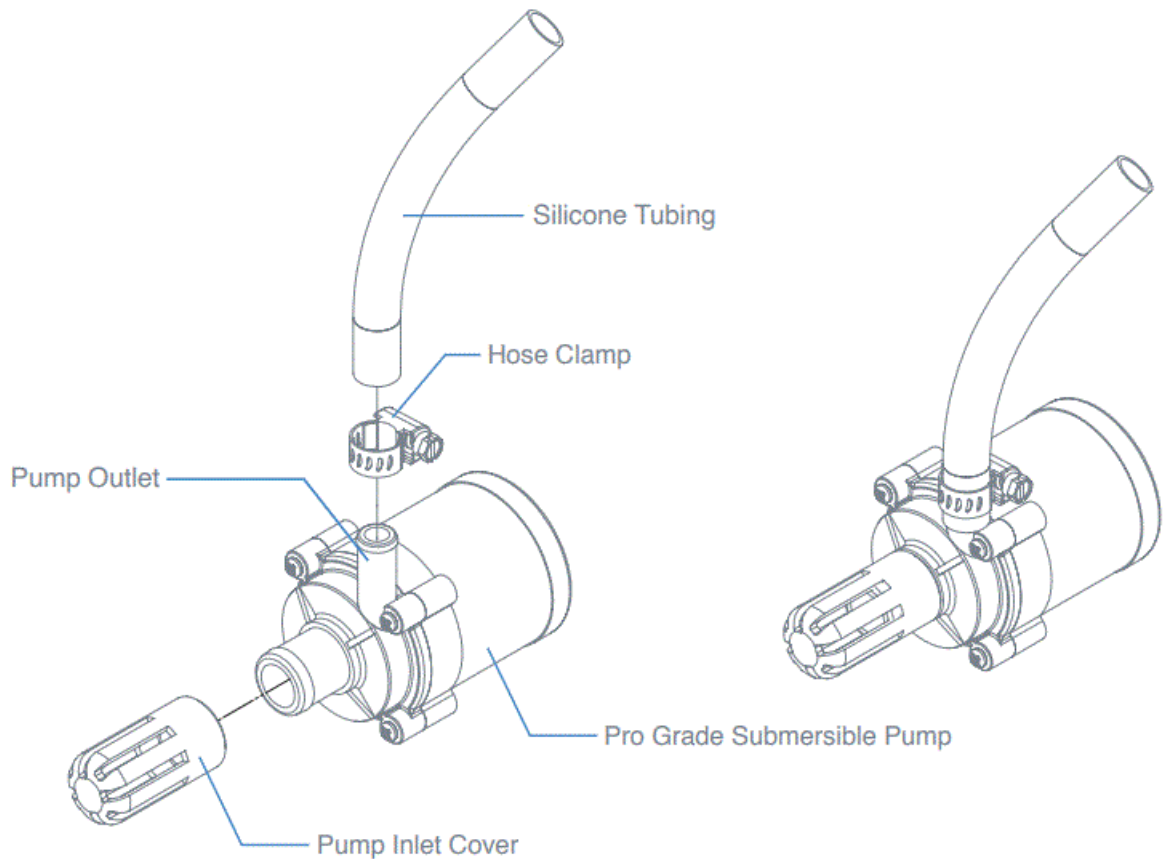
2. Divide the piece of vinyl tubing into two equal lengths. Connect one end of one tube to the submersible pump outlet and secure it with a hose clamp. The pump outlet is the small pipe connection on the top side of the pump. Connect the other end of the same piece of tubing to the immersion coil and secure it with a second hose clamp. Take the remaining piece of tubing and connect it to the other end of the immersion coil and secure it with a third hose clamp and then place the free end of the tubing back into the glycol chiller (or ice water bath).

3. Lower pump into glycol basin (or ice water bath).

4. Run pump power cable outside of the glycol basin (or ice water bath).

OPERATING INSTRUCTIONS

FIRST TIME SETUP SCREEN

FTSs HEATER INSTALLED?
YES   NO

SELECT A TEMP UNIT.
F°   C°

COMPLETE SETUP

When the system is powered on for the first time, you will see a first-time setup screen that will let you choose between Fahrenheit or Celsius and indicate if you have an FTSs Heating pad installed. These settings can be changed later from the settings screen so select the options that work best for you and then select "COMPLETE

SETUP". You will not see this screen again unless you factory reset your controller.

START UP SCREEN

When the system is powered on, you will see the Start Up Screen. From this screen, you can start fermentation at your last Target Temp or set temperature.

1. Select "SET TEMPERATURE" or tap the temperature value on the Start Up Screen.
2. Adjust up or down as desired.
3. Select the Return Arrow "←" on the Start Up Screen.
4. Select "START FTSs" to begin operation.

CHANGING SET TEMP
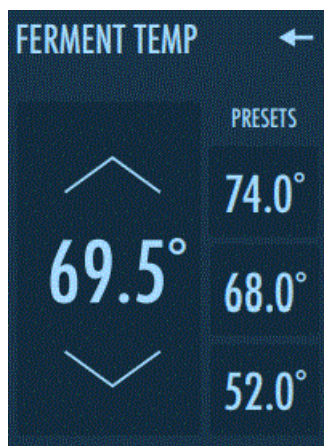
1. Select "SET TEMP" or tap the temperature value on the main Temp Control Screen.
2. Adjust up or down as desired.
3. Select the Return Arrow "←" on the Ferment Temp Screen.

This will save the selected temperature.

PAUSE & RESUME TEMPERATURE CONTROL

1. During operation when on the main Temp Control Screen, you can select "PAUSE" to stop the system and select "RUN" to resume operation.

DEFINING USER TEMPERATURE PRESETS

While setting the temperature (on both the FERMENT TEMP and CRASH TEMP modes) there are 3 programmable temperature presets for your convenience.

1. To program a preset, adjust the temperature up or down as desired.
2. Select and hold the desired preset box for 5 seconds. The screen will blink and save the preset.

CHANGING BETWEEN FERMENTATION AND CRASH TEMP MODE
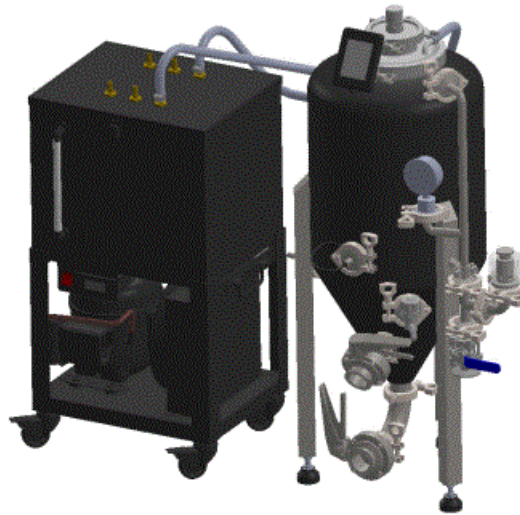
Once fermentation is complete, you may choose to perform a cold crash in order to help improve the clarity of your beer. Cold crashing is the process of lowering the temperature of the beer inside the fermenter which then causes yeast and other particulate to "drop out" and sink to the bottom of the fermenter. The FTSs Touch includes a separate mode that allows the user to easily switch between FERMENT mode and CRASH mode. To do this, simply press the "CRASH" button on the top of the screen and the system will switch into crash mode. Once in crash mode, pressing the SET TEMP button will take you to the CRASH TEMP screen which allows you to select from several preset temperatures or adjust to a specific temperature using the up and down arrows. All of the factory preset temperatures can be changed to user presets by adjusting the displayed temperature to your desired temperature then pressing and holding the preset temperature button that you wish to change.

POWERING OFF THE CONTROLLER

POWER BUTTON

If you should need to turn off your FTSs Touch without unplugging it, you can press the small black rubber button on the back side of the unit to toggle the power on/off. Pressing this button will turn your controller off and stop
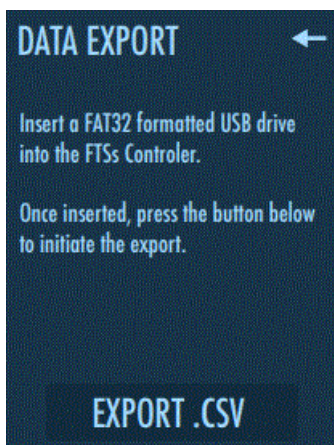
your fermentation temperature control. This method of switching the power off should only be done if the unit will not be used for a short period of time (one day or less). For long term storage, we recommend unplugging the main power supply so the entire system is no longer energized.

VIEWING TEMPERATURE READING GRAPH

During operation you will see a mini graph on the main Temp Control Screen, just below the Set/Current Temp readings. Selecting the mini graph on this screen will open the full graph detailing temperatures over time. From here you can view the temperature history and can export the log.

## EXPORT TEMPERATURE READING GRAPH

1. To export your fermentation temperature log, select the "EXPORT" button to open the DATA EXPORT screen.
2. Insert a FAT32 formatted USB drive into the Touch Screen Display..
3. Select "EXPORT .CSV".
4. Select the Return Arrow "←" on the DATA EXPORT Screen
5. To reset the graph data, press "RESTART" from Settings Screen to clear previous data log.

NOTE: The largest exterior size of USB drive that will fit the FTSs Touch is 0.65" wide x 0.29" tall (16.4mm x 7.4mm). Drives with large cases may not fit the FTSs Touch.
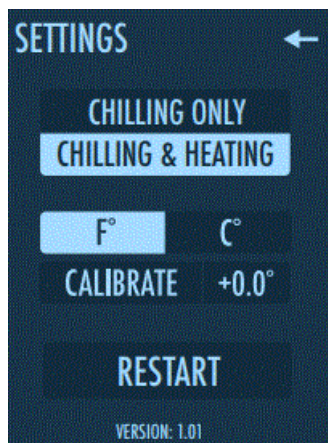
SETTINGS

SWITCH BETWEEN CHILLING ONLY TO CHILLING & HEATING MODES
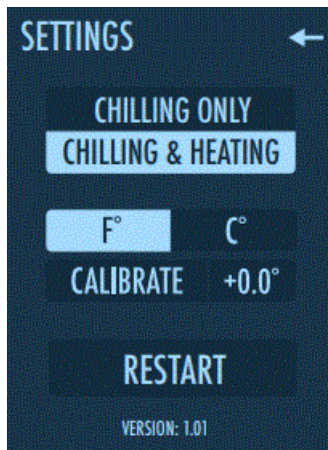
1. Select Settings Cog "⚙" on the Start Up Screen or during operation.
2. Select Chilling only (for pump only operation) or Chilling and Heating (for heating pad and pump operation) on the Settings Screen.
3. Select the Return Arrow "←" on the Settings Screen.
4. Select the Return Arrow "←" on the main Temp Control Screen.

SWITCH BETWEEN FAHRENHEIT AND CELSIUS SCALE MODES

1. Select Settings Cog "⚙" on the Start Up Screen or during operation.
2. Select F° (for Fahrenheit reading) or C° (for Celsius reading) on the Settings Screen.
3. Select the Return Arrow "←" on the Settings Screen.

FACTORY RESET

1. Select Settings Cog "⚙" on the Start-Up Screen or during operation.
2. Select and hold "RESET" for 5 seconds. Your screen will blink and factory reset your controller. This will bring you to the First Time Setup Screen.

SsBrewtech.com

Documents / Resources

Ss brewtech 017.209.8 FTSs Touch Display [pdf] User Guide
017.209.8, 017.209.8 FTSs Touch Display, FTSs Touch Display, Touch Display, Display

References

- 🌐 **SsBrewtech.com**

Manuals+,