



PRODUCT GUIDE

TC-100

DESCRIPTION

The TC100 temp control system is our solution to possibly the most important part of brewing; fermentation. The TC100 will easily hold your fermentation temps exactly where you would like them even in the hottest garage in Summer or the coldest basement in Winter. The only additional item needed is a cold water reservoir. This can be as simple as a cooler with ice or a fridge with cold water reservoir or even a dedicated glycol chiller.

The dual stage temp controller is designed to control both a pump and heating unit. The pump will move the cold fluid/glycol through the stainless steel temp coil, quickly chilling your wort. The specially fitted heater attaches to the neoprene jacket via velcro and sits on the cone.

BENEFITS

1. Neoprene Jacket
 - a. Helps maintain stable fermentation temps regardless of ambient conditions
 - b. Stops the tank from 'sweating' in warm weather
 - c. Sewn in the USA (of imported materials)
 - d. Reinforced stitching around all ports and handles for extra strength
 - e. Machine washable
2. Temp Coil
 - a. Each temp coil is designed specifically to fit each tank so half batches can be effectively cooled
 - b. Our coil is designed to handle the not so well understood temperature inversion phenomenon that happens when cooling your tank (see Figure 1 below)
 - c. Easy to clean stainless steel design
 - d. Made in the USA
 - e. Wide coil spacing for easy cleaning
3. 90° Quick Connect Elbows
 - a. The quick connect fittings allow for tool-free connections between your temp coil and insulated glycol lines
 - b. The 90° design prevents glycol lines from kinking
4. Insulated Glycol Lines
 - a. We use 3/8" ID tubing which matches the temp coil tubing; which means there's no restriction in flow through the system
 - b. Made in the USA
 - c. The insulated tubing helps reduce heat losses usually seen in non-insulated designs
 - d. The insulation prevents the lines from 'sweating' and dripping all over your floor
5. Pump
 - a. The pump is engineered to work specifically with our temp coils as flow rate is directly proportional to cooling efficacy
 - b. The submersible pump uses DC power which is much safer than an AC powered submersible pump
6. Heater
 - a. All heaters are designed to fit their respective size fermenter and attach to the neoprene via velcro. The heater sits on the cone where the coolest liquid is. This gives the most consistent heating throughout your tank.
 - b. Made in the USA
 - c. Each heater uses a different wattage to match the size of the fermenter
 - d. All heaters use a 95F thermostat which will prevent the heater from overheating your work