



BREWING EQUIPMENT®

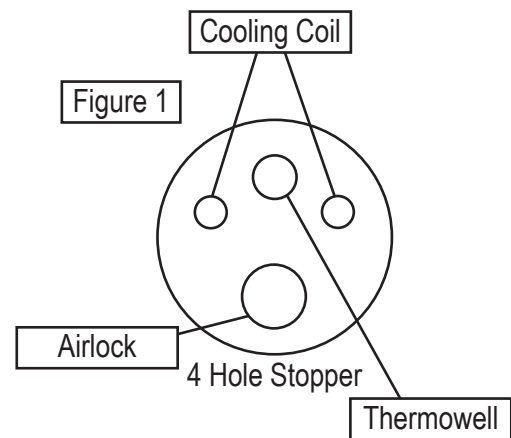
CRUCIBLE™ COOLING SYSTEM

ASSEMBLY & MAINTENANCE MANUAL

**** PLEASE READ THOROUGHLY PRIOR TO USE FOR IMPORTANT SAFETY INFORMATION ****

Parts List

Item	Description	Quantity
AB-500065-03	Cooling Coil	1
AB-500077-01	Thermowell	1
AB-500063-02	4 Hole Stopper	1
BE-500019-00	Airlock (Carboy Version Only)	1
BE-000704-00	3/16" ID x 3/8" OD Hose	10 feet
ANV-Sub-Pump	Submersible Pump	1
AB-500079-02	Fermentor Jacket (Bucket Fermentor Version Only)	1
AB-500090-00	Temperature Controller	1



Assembly and Operation

You will need a 5 - 10 gallon cooler or insulated container to use as a reservoir for ice water (not included).

Before use, clean the coil, 4 hole stopper, airlock, and thermowell with a mild detergent or Powdered Brewers Wash (PBW). It is helpful to have the stopper and cooling coil wet before assembling them together. Sanitize these parts before use. Insert the cooling coil through the bottom of the 4 hole stopper in the holes labeled in Figure 1. Insert the thermowell and airlock through the top of the 4 hole stopper labeled in Figure 1. Place the stopper into the top of your Crucible™ fermentor lid. It is helpful to drill a hole in the lid of your cooler to route the hoses and power cords. Connect 5 feet of hose from the cooling coil to the submersible pump. Connect the other 5 feet of hose to the cooling coil and use this hose as a return tube, placing the open end back into your cooler or insulated container.

Fill a cooler or insulated container with ice and water. Completely submerge the pump (4" - 5" deep) into the cold water and plug the pump into the controller "cooling" receptacle. Place the temperature sensor into the thermowell making sure it reaches the bottom. Lower water levels will result in a more efficient use of ice.

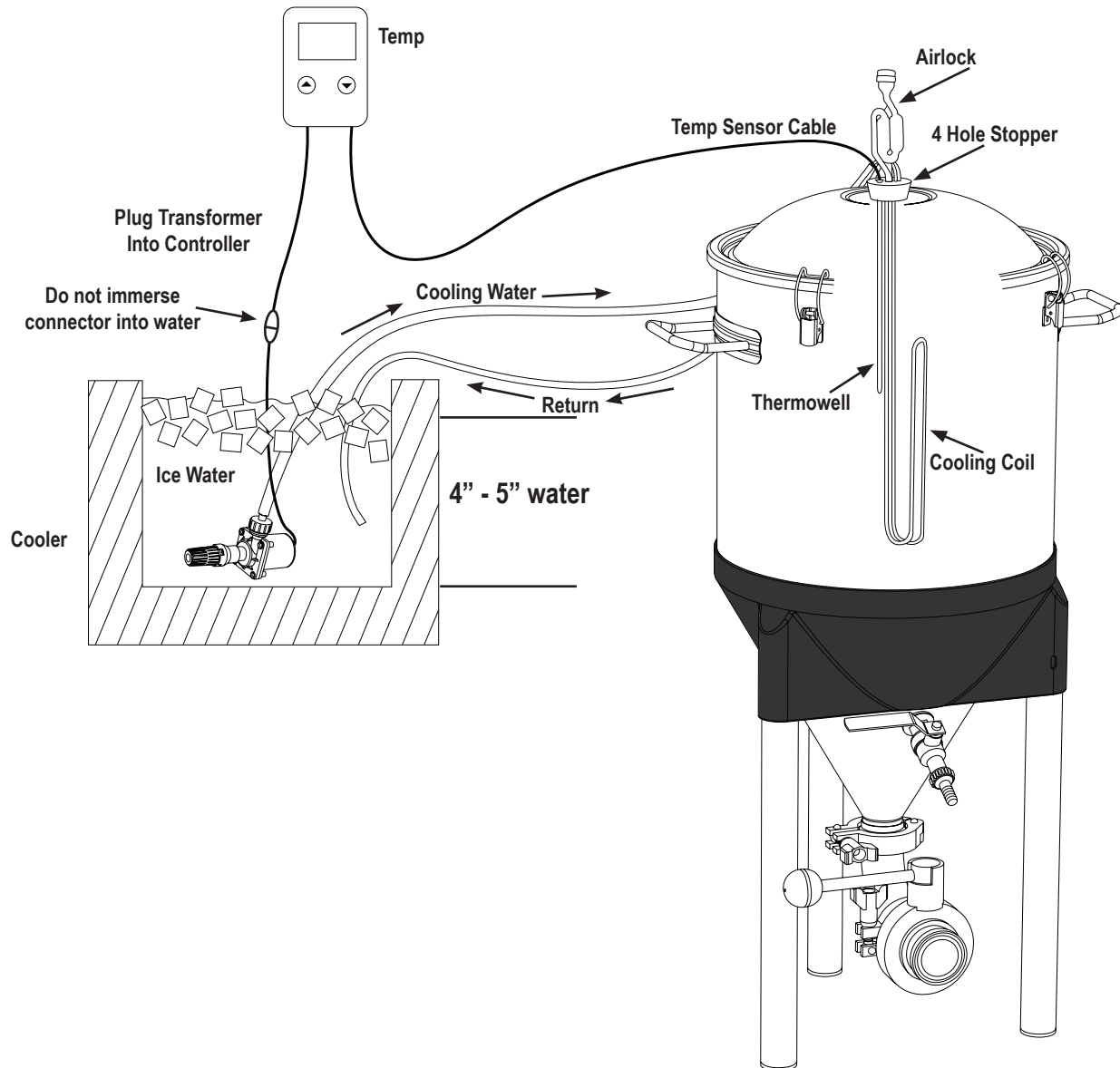
Set the temperature on the controller. When the beer temperature is above the set temperature the pump will turn on and circulate cold ice water through the coil to chill the beer. Check the cooler periodically (4-8 hrs) and add ice as needed.

Cleaning and Storage

Clean parts with a mild detergent or Powdered Brewers Wash (PBW). Clean the fermentor jackets with a cloth of soapy water, as needed.

Jacket Installation

To install the jacket remove the lid, sampling valve, and bottom dumb assembly. Install the big jacket to the top of the Crucible™ by lining up the front of the jacket with the front of the Crucible™. Guide the holes over the latches and over the handles. Zip the jacket once this is installed. Install the bottom part of the jack by sliding the piece onto the bottom cone. Line up the sampling valve hole and install the sampling valve to hold this piece in place. Install the bottom dump assembly and you're ready to control your fermentation temperatures!



ANVIL BREWING EQUIPMENT PRODUCT WARRANTY

A. Limited Warranty

1. ANVIL Brewing Equipment warrants to the original purchaser that this product will be free from manufacturing defects in material workmanship for a period of one (1) year from the date of purchase by the customer. Proof of purchase is required. ANVIL Brewing Equipment's obligation to repair or replace defective materials or workmanship is the sole obligation of ANVIL Brewing Equipment under this limited warranty.
2. This product is for home use only. The limited warranty covers only those defects that arise as a result of normal use of the product and does not cover any other problems, including, but not limited to, those that arise as a result of:
 - a. Improper maintenance or modification;
 - b. Damage due to incorrect voltage or improper wiring by customer;
 - c. Operation outside of the product's specifications;
 - d. Carelessness or neglect to operate the product in accordance with instructions provided with the product;
 - e. Damaging the tamper label on the product;
 - f. Damage by over-tightening the fasteners;
 - g. Failure to follow cleaning and / or maintenance procedures; or
 - h. Exceeding published operational temperatures.
3. ANVIL Brewing Equipment reserves the right to request delivery of the defective component for inspection before processing the warranty claim. If ANVIL Brewing Equipment receives, during the applicable warranty period, notice of a defect in any component that is covered by the warranty, ANVIL Brewing Equipment shall either repair or replace the defective component with a new or rebuilt component at ANVIL Brewing Equipment's option.
4. ANVIL Brewing Equipment must be notified within seven (7) days of the delivery date of any shipping damage. Customer is responsible for shipping damage outside of this time period. Approval for return must be provided by ANVIL Brewing Equipment prior to any return. Customer is responsible for keeping all original packaging material for warranty returns. ANVIL Brewing Equipment is not responsible for damage from improperly packaged warranty returns, and these repair costs will be the sole responsibility of the customer. Shipping costs for warrantee returns are covered only for the contiguous United States.
5. ANVIL Brewing Equipment's limited warranty is valid in any country where the product is distributed.

B. Limitations of Warranty

1. Any implied warranty that is found to arise by way of state or federal law, including any implied warranty of merchantability or any implied warranty of fitness, is limited in duration to the terms of this limited warranty and is limited in scope of coverage to this warranty. ANVIL Brewing Equipment disclaims any express or implied warranty, including any implied warranty of fitness for a particular purpose or merchantability, on items excluded from coverage as set forth in this limited warranty.
2. ANVIL Brewing Equipment makes no warranty of any nature beyond that contained in this limited warranty. No one has authority to enlarge, amend, or modify this limited warranty, and
3. ANVIL Brewing Equipment does not authorize anyone to create any other obligation for it regarding this product.
4. ANVIL Brewing Equipment is not responsible for any representation, promise, or warranty made by any independent dealer or other person beyond what is expressly stated in this limited warranty. Any selling or servicing dealer is not ANVIL Brewing Equipment's agent, but an independent entity.

C. Limitations of Liability

1. The remedies provided in this warranty are the customer's sole and exclusive remedies.
2. Except for the obligations specifically set forth in this warranty, in no event shall ANVIL Brewing Equipment be liable for direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory and whether or not advised of the possibility of such damages.
3. This warranty does not cover, and in no event shall ANVIL Brewing Equipment be liable for, travel, lodging, or any other expense incurred due to manufacturing defects in material and workmanship, or any other reason.
4. Any performance of repairs after the warranty coverage period has expired or performance of repairs regarding anything excluded from coverage after this limited warranty
5. Shall be considered good-will repairs and they will not alter the terms of this limited warranty, or extend any warranty coverage period.
6. Venue for any legal proceedings relating to or arising out of this warranty shall be in Tippecanoe County, Indiana, United States, which courts will have exclusive jurisdiction.

D. Local Law

1. This warranty gives the customer specific legal rights. The customer may also have other rights that vary from state to state in the United States or other countries.
2. To the extent that this warranty is inconsistent with local law, it shall be deemed modified, only to the extent necessary to be consistent with such local law.