

# GRAINFATHER COOLING PUMP KIT

Temperature control is one of the most crucial elements for producing a good quality beer. It needs to be regulated and stable throughout the whole fermentation process to ensure the yeast doesn't get stressed and ferments correctly to get the right flavor profile.

Simply connect the couplers and insulated hoses to the Conical Fermenter, submerge the pump into your cooler of ice water and the controller will circulate the liquid through the insulated cooling sleeve of the Conical Fermenter body as needed to keep the desired fermentation temperature.

To be able to cool with the Grainfather Conical Fermenter, you will need the Grainfather Conical Fermenter Temperature Controller as well as your own cooler or bucket.

## INVENTORY

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Submersible Conical  
Fermenter Cooling Pump



Hose Insulation x2



Blue Cooling  
Hose with Quick  
Connect Coupler  
with male disconnet



Red Return  
Hose with Quick  
Connect Coupler  
with male disconnet



Herbie Clamp



Power Adapter and T-connector

### Not Included, but Required:

- Grainfather Conical Fermenter
- Grainfather Conical Fermenter Temperature Controller
- Cooler or bucket 5-10 gallon capacity
- Drill
- Means to make 1.25" Hole - Hole Saw, Spade Bit, etc
- Ice water

## PREPARATION



**STEP 1** Punch 2 holes (1.25in) into the lid of your cooler. These will be the holes you will run the insulated lines into.

## ASSEMBLY



**STEP 2** Slide both insulated ends of the tubing and pumpwire through the newly punched holes in your cooler lid. Ensure the blue tubing will reach the bottom of you cooler. The height of the red is not critical as it is simply the return.



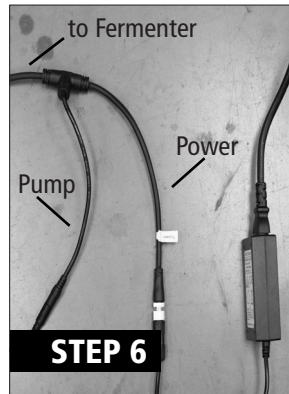
**STEP 3** Connect the bare end of the blue tube to barb on the top side of the pump. Use the included herbie clamp to secure.

## CONNECTION



**STEP 4** Screw the two male disconnects tightly into either side of the conical fermenter.

Attach the female disconnects on each tube to the male disconnects; Red to the higher side, Blue to the lower side.



**STEP 6** Connect the long side of the T cable to the back of the conical fermenter, using the thumb screw to tighten.

Connect the short end of the T cable to the power supply, using the thumb screw to tighten.

Connect the pump cable to the remaining port of the T cable.

## OPERATION



**STEP 7** Fill the cooler with ice and water.

**STEP 8** Plug the power cable into a GFCI outlet.

**STEP 9** Set your desired temp according to the instructions in the fermenter controller manual.

**STEP 10** Depending on temperatures, you will need to check and replenish your ice levels in the cooler periodically.