

Aerator Pump Kit

With Stainless Aeration Stone

and 0.2micron Air Filter



Kit includes

- Sanitary autoclavable 0.2 micron air filter**
- 5mm internal diameter air line (approx 1.5meters)**
- Stainless clamps**
- Deep water aquarium style diaphragm air pump**
- Stainless steel sintered stone**

Intro

This kit is designed to give your yeast the best possible start in life and it will ensure that there is the most possible dissolved oxygen at the start of your fermentation.

Yeast undergoes a short aerobic (requiring oxygen) stage before commencing the anaerobic (no oxygen) stage in which sugars are converted to ethanol and carbon dioxide.

In the aerobic stage, oxygen dissolved in the wort is consumed by the yeast to aid yeast growth and the formation of ergosterol used in the fermentation cycle. If there is not enough oxygen dissolved in the wort, yeast growth and energy reserves will suffer, resulting in a sluggish fermentation with risk of low attenuation.

Usage of this aeration kit will ensure that the best possible start to your fermentation is achieved.

Instruction

1. Ensure that your wort is below 25C because it is extremely hard to get oxygen to dissolve in liquid above this temperature. Boiling also removes all oxygen from wort.
2. Fit short piece (5cm) of 4mm internal diameter air line onto the end of the pump.
3. Next fit the sanitary air filter to the other end of the 4mm ID air line.
4. To the other side of the sanitary air filter fit the 120cm length of 6mm ID air line.
5. To the other end of the 6mm air line fit the sintered air stone.
6. Turn on the air pump so that air is flowing through the stone.
7. Ensure air is pumping through the stone before dipping the sintered air stone into your wort.
8. Run the air pump for approximately 15 minutes.

Important Note

ALWAYS TURN ON THE PUMP BEFORE IMMERSING THE STONE INTO THE WORT/WATER. If the stone is immersed into the water before the pump is turned on liquid is drawn into the very small pours and will drastically reduce the air flow through the stone. If the stone accidentally get saturated without the pump being on dry out the stone in the oven or in a well-ventilated place and then start again.

Cleaning

To clean the assembly simply put the air hose and sintered filter into boiling water and let drip dry. Store in plastic bag.

CAUTION

Do not clean the air filter and never reverse the direction of the air filter. If there is signs of dirt I the air filter then dispose of and replace the air filter immediately. One air filter should last more than 100 batches of beer if cared for correctly.