BREWSSSENTIAL

Essential Tools for the Sensible Home Brewer ™

The BrewSSSiphon™
Optimal Care & Use Guide

Introduction

Congratulations! You have in your hands the world's first and only stainless steel and silicone auto-siphon. It is fully deconstructable, manually cleanable, durable enough to last a lifetime, and easily completely sanitized. Designed to cater to a wider range of fermentation practices, styles, and equipment; it offers you the flexibility to do sour and non sour experimentation without having to use multiple siphons in order to do it.

Contents of Package: based on your specific order … (confirm what you ordered before asking if something is missing please. Thanks)

- Stainless steel racking cane with overmolded silicone seal.
- Siphon body assembly consisting of:
    - Stainless steel outer siphon tube
    - Silicone gasket
    - Check valve assembly consisting of:
        - Stainless steel check valve body
        - Silicone check valve ball
        - Silicone o-ring
        - Silicone bottom cap
    - Silicone top cap
- Silicone Carboy SSSleeve™
- **Complimentary** SSSpring Clip™ (While our Nickel Plated SSSpring Clip™ does look beautiful and hold the BrewSSSiphon™ securely to the edge of your home brew bucket, kettle or wide mouth carboy, it can rust a little due to an imperfect plating issue which is not cool. Its ok though because we're already working on developing a new one that meets our standards.)
- Custom High Temperature Silicone Tubing
- USA MADE Custom 3 Brush Cleaning Kit

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Cleaning Prior to Use

- Prior to first use, we recommended that the unit be disassembled completely (we suggest using a pair of needle nose pliers for this so as not to damage the o-ring) and that all parts be cleaned with a basic dish detergent to remove traces of manufacturing oils. Gently scrub with a soft terry cloth or sponge. Do not use an abrasive pad or steel wool. Be sure to rinse thoroughly with hot water.
- Sanitize using a no-rinse sanitizer such as Io-Star® or Star-San® adhering to the manufacturer's guidelines.
- Parts may also be sanitized in a 225°F kitchen oven, or in boiling water.
- **DO NOT USE BLEACH OR CHLORINATED CHEMICALS!**

Assembly Instructions

- Assemble check valve as follows (photo 1 - 4):
    - Place silicone check valve ball in check valve body (photo 2).
    - Insert silicone o-ring into check valve body and seat it in milled recess, in position shown (photo 3). (This retains the check valve ball in the check valve body.)
    - Install silicone bottom cap over the three prongs on the check valve body. You now have a completed check valve assembly (photo 4).
- Install silicone gasket on threaded end of outer siphon tube, seating it against the milled shoulder (photos 5 & 6).
- Screw the check valve assembly onto the outer siphon tube, and loosely tighten it against the silicone gasket (photo 7).
- Fit the silicone top cap on the (non-threaded) end of the outer siphon tube. (The end of the tube should fit up against the inside shoulder of the silicone top cap.) (Photos 8 & 9)
- **IMPORTANT: DO NOT insert the racking cane into the outer siphon tube dry!** Before use, it is absolutely necessary to wet the

silicone seal and inside of the outer siphon tube. We recommend briefly submerging both the racking cane and entire assembled BrewSSSiphon™. If submersion is not applicable, wet seal and interior of outer siphon tube by dipping both ends in a bucket of sanitizer solution or by using a spray bottle.

Use

- Racking from a carboy or barrel: Fit the Carboy SSSleeve™ tapered end down around the outer siphon tube and insert into your carboy or barrel. Adjust height as needed.
- Racking from a bucket or kettle: Fit the Carboy SSSleeve™ tapered end up around the outer siphon tube and then slide the SSSpring Clip™ around the non tapered end of the Carboy SSSleeve™. Once assembled then attach to your bucket or kettle. Adjust height as needed.
- Siphon may also be held by hand.
- Fit your flexible tubing to racking cane and direct into receiving vessel.
- Start siphon by pumping racking cane up and down in a smooth motion. Continue pumping until siphon and tubing become filled and begin to flow into receiving vessel.
- If you need to stop the siphon once started, simply lift out of fluid.

Cleaning After Use and Storage

- As soon as is practical after completed use, disassemble and thoroughly rinse all parts.
- If you let it sit for a while and crud starts to dry on the parts, no problem, clean as needed with an alkali cleaner such as PBW™. We also offer 3 custom brushes that make this simple and easy.
- Thoroughly rinse and allow to dry.
- Reassemble check valve parts and re-attach to outer siphon tube.
- **STORE RACKING CANE SEPARATELY, DO NOT STORE INSIDE OUTER SIPHON TUBE, DO NOT INSERT RACKING CANE DRY!**

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Troubleshooting

- Siphon doesn't start quickly
    - Check valve needs to seal shut tightly when racking cane is pushed down, in order to force liquid into cane and out tubing. Check that o-ring is seated properly in recess in check valve body (see photo 3).
    - The check valve ball needs to quickly become unseated from the o-ring in order to prime the check valve. A few short quick pumps, followed by, a couple long smooth pumps will work to engage the check valve fully.
- Flow rate is slow
    - Your siphon may be only partially primed and resulting in a slow flow rate. Give racking cane additional pumps to maximize flow.

FAQ's

- **What is a #Brewzard?**
    - *In "technical" terms it is someone who has gone out into the deep end, either literally or metaphorically and returned transformed with more #fermentational knowledge and magical experience than he/she can easily share in a coherent and simple way. Basically, teetering on the edge of crazy, but way cool! If you suspect your in the presence of such a person, throw caution to the wind, offer to buy the next round, as this will undoubtedly help break the ice, then prepare to listen intently, nodding often like you understand whats being said until there is a sufficiently long pause, so that you can excuse yourself to the bathroom for a tinkle. Take these few extra moments to quietly absorb some of the mad genius to which you were just privy in hopes that one day you too can become a #brewzard.*

- Why do I have to wet the racking cane seal with sanitizer or water before I assemble it in the outer siphon tube?
    - *The seal is designed for a tight fit with the outer siphon tube to prevent air leaks and is to be used wet only. The triple contact seal is overmolded which means no adhesive is used to hold the seal to the cane. Inserting the racking cane dry will put unwanted wear and tear on the seal and potentially strip the seal from the cane. This is a crucial piece of the tool and we advise following this with strict discipline. Our warranty does not cover damage caused by inserting the racking cane/seal into the outer siphon tube dry.*

- Can I use ½" inner diameter tubing?
    - *No, it is too large. ½" = 12.7 mm, which is larger than the racking cane outer diameter (12 mm). We offer our custom **11 mm ID** silicone tubing that fits the racking cane perfectly.*

- *Can I use 3/8 " inner diameter tubing?*
    - *Yes and No. Most 3/8" silicone tubing is flexible enough to stretch over the end of the racking cane very easily but will also reduce the flow rate of your transfer. We do not recommend vinyl tubing.*

- Don't I have to be very careful about contamination of "non-sour" beers by sour beers? Isn't it best to have completely separate equipment for each, to avoid cross-contamination?
    - *Yes, you do have to be very careful about this, but no, you do not need a separate BrewSSSiphon™. You can completely disassemble and manually clean your BrewSSSiphon™ so unwanted bacteria and yeast do not stand a chance. The separate parts and the entire tool completely assembled can also be heat-sanitized for added insurance.*

- *Can I use the BrewSSSiphon™ to rack hot wort out of a kettle?*
    - *Yes you can, however it is absolutely necessary to have appropriate high heat gloves to ensure that you do not burn*

yourself during transfer. The outer siphon tube, racking cane, Carboy SSSleeve™, SSSpring Clip™ and tubing all conduct heat at varying degrees. Please be careful and use common sense.

Questions?

- E-mail us at customerservice@brewsssential.com

Assembly Photos

Photo 1: Check valve parts: bottom cap, o-ring, ball, body

Photo 3: O-ring in place in check valve body

Photo 2: Check valve ball in place in check valve body

Photo 4: Completed check valve assembly

Photo 5: Silicone gasket and threaded end of outer siphon tube

Photo 6: Silicone gasket installed

Photo 7: Check valve assembly installed on outer siphon tube

Photo 8: Silicone top cap and top end of outer siphon tube

Photo 9: Top cap fitted on top end of outer siphon tube

Photo 10: Completed siphon body assembly

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