



The LOTUS pumpover head uniformly distributes juice – even if unfiltered or mixed with whole berries – over the cap without excessive bruising or misting.

FOR ADDITIONAL INFORMATION and unit sizing help: [www.vintuitivewmt.com](http://www.vintuitivewmt.com) or contact your preferred vendor.

### **Setup (Assembly and Disassembly)**

The LOTUS arrives pre-assembled and ready for use.

**Disassembly** – for cleaning or part replacement:

- 1) REMOVING FLOWER
  - a) Remove cotter pin
  - b) Loosen & remove shaft collar
    - a. 6" LOTUS: 3/32" allen key
    - b. 8" LOTUS: 7/64" allen key
    - c. 12" LOTUS: 9/64" allen key
  - c) Remove UHMW thrust bearing
  - d) Wipe rod to remove leftover debris/juice
  - e) Slide LOTUS flower & flange bearing off rod
- 2) REMOVING FLOW CONDITIONER
  - a) Remove triclover clamp
  - b) Slide flow conditioner down rod (has integrated T/C gasket)
- 3) REMOVING ROD & CAP
  - a) Remove fractional triclover clamp
  - b) Remove T/C gasket
  - c) Pull rod & cap assembly out of sweep T

**Assembly** reverse the steps for disassembly. Make sure you remember the cotter pin. The cotter pin serves as a failsafe should the shaft collar fail, ensuring your LOTUS flower won't free fall into your tank.

### **Cleaning**

When not in use, make sure you properly clean and store you LOTUS. We recommend disassembling your LOTUS for thorough cleaning. Pay attention to the center of the flower and along the integrated T/C gasket of the flow conditioner.

### **Storage**

Make sure unit is clean and dry. Store in location that is out of direct sunlight as extreme heat and UV radiation may eventually degrade the plastic components. Also make sure that the unit is not in a position that loads weight on the plastic components. This can temporarily deform the plastic (See trouble shooting) or bend the rod.

### **Use and Adjustments**

The closer the flower is to the flow conditioner, the farther the unit will throw the juice.

**Fine tuning:** Adjust the vertical placement of LOTUS flower on the rod (use shaft collar to set the height).

**Major adjustment:** Use vertical/horizontal adjustments as available in your pumpover feed set up.

You can also play with the flow rate on your pump to adjust your spray pattern. For additional guidance, contact your preferred vendor.

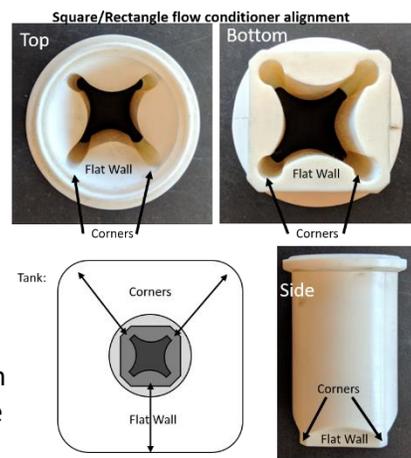
**Troubleshooting/FAQs**

**How do I mount my LOTUS in my tank:** There are many solutions to this problem and they depend on your particular set up and needs. Most often people use a pumpover feed arm like the one pictured to the right. Contact your preferred vendor to get a set up that works best for you.



**Plastic parts are bent or deformed out of shape:** This problem is fully reversible. The LOTUS flower and flow conditioner are a thermoset resin and will forever remember their shape. To get it back to shape leave the part upright in a warm environment for 1-2hrs or an oven pre-heated to 150F.

**My square/rectangle flow conditioner spray pattern does not match up with my tank:** This is due to some misalignment in your set up. First check to make sure your LOTUS is centered in your tank. Next make sure the flow conditioner is lined up properly with your tank.



**My Flow conditioner has a crack in it:** The LOTUS flower and flow conditioner are cast in molds. All flow conditioners have a parting line down the length of the unit, it is normal and not a crack.

**Rod is not straight:** The rod can be bent from either improper storage or a drop from height. If the bend is high on the rod (above where you set your flower), you may be able to have it straightened. If the bend is where your flower sits, you will need a replacement. Contact your preferred vendor.

**Straightening a bent rod** (if you can't get it straightened you will need a replacement).

Winery environment:

- 1)Disassemble
- 2)Put the rod in vise with bend just outside the jaws
- 3)Gently manipulate rod until straight
- 4) Reassemble

Machine shop environment:

- 1)Disassemble
- 2)hold unbent section in a lathe & set up indicator
- 3)Gently manipulate rod until straight
- 4)Reassemble

**Parts List**

	6" LOTUS	8" LOTUS	12" LOTUS
Sweep T	1-1/2" Line	2" Line	3" Line
3/4" T/C & Gasket			
Rod & Cap Assembly	1/4" Rod	3/8" Rod	3/4" Rod
Flow Conditioner with Integrated T/C Gasket	1-1/12" Line	2" Line	3" Line
T/C Clamp	1-1/2"	2"	3"
Flower	6"	8"	12"
Food grade oil embedded flange sleeve bearing	1/4" ID 3/8" OD 3/4" Long	3/8" ID 1/2" OD 3/4" Long	3/4" ID 1" OD 1-1/4" Long
UHMW food grade dry running thrust bearing	1/4" ID 5/8" OD	3/8" ID 3/4" OD	3/4" ID 1-3/8" OD
S/S clamping shaft collar	1/4"	3/8"	3/4"
S/S hairpin cotter pin	1/4-3/8" shaft diameter 5/64" wire diameter		1/2"-3/4" Shaft diameter, 1/8" wire diameter

