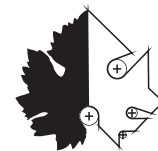




LOTUS Infosheet and Maintenance by MUST.



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

SETUP (Assembly and Disassembly)

The LOTUS arrives pre-assembled and ready for use.

DISSASSEMBLY for cleaning or part replacement.



1) REMOVING FLOWER

- Remove Cotter Pin
- Loosen & remove shaft collar.
1-1/2" and 2" LOTUS: 3/32" allen Key
3" LOTUS: 9/64" allen Key
- Remove UHMW thrust bearing
- Wipe rod to remove leftover debris/juice
- Slide LOTUS flower and associated flange bearing off rod

2) REMOVING FLOW CONDITIONER

- Remove tricloper clamp
- Slide flow conditioner down rod
(has integrated TC gasket)

3) REMOVE ROD & CAP

- Remove fractional tricloper clamp
- Remove TC gasket
- Pull rod & cap assembly out of sweep T

ASSEMBLY Reverse steps for disassembly. Make sure you remember the cotterpin. The cotterpin serves as a failsafe should the shaft collar fail, ensuring your LOTUS won't free fall into your tank.

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

STORAGE: Make sure the unit is clean and dry. Store in a location that is out of direct sunlight as extreme heat and UV radiation may eventually degrade the plastic components.

USE and Adjustments:

Gross Adjustments- Use vertical/horizontal adjustments as available on your pumpover inlet pipe set up. You can also play with the flow rate on your pump to adjust your spray pattern.

Fine Tuning - The closer the flower is to the flow conditioner, the farther the unit will throw the juice. Adjust LOTUS flower height use shaft collar to set the height.

Troubleshooting/FAQs

How do I mount my LOTUS to 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 inlet pipe.

See Page 39 and worksheets pages 120-122

Plastic parts are bent or deformed out of shape: In earlier cast LOTUS flowers & flow conditioners this problem is fully reversible. These are a thermoset resin and will forever remember their shape. To get it back to correct shape leave the part upright in a warm environment for 1-2hrs or an oven preheated to 150F. Current 1-1/2" and 2" LOTUS flowers are rigid injection molded parts and should not deform.

My Flow Conditioner has a crack in it: The flow conditioners are cast in molds and have a parting line down the length of the unit. This line is normal and not a crack.

My Square/rectangular 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 linged up properly with your tank.

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.

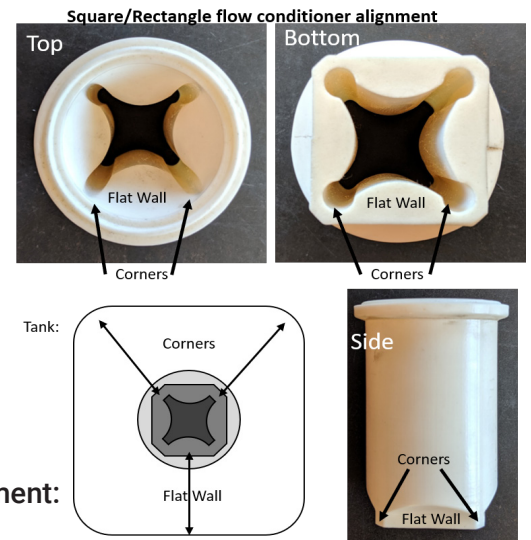
Straightening a bent rod:

Winery Environment:

- 1) Dissassemble
- 2) Put the rod in a vise with the bend just out side the jaws
- 3) Gently Manipulate rod until straight
- 4) Reassemble

Machine shop Environment:

- 1) Dissassemble
- 2) Hold unbent section in a lathe and set up indicator
- 3) Gently manipulate rod until stright
- 4) Reassemble



If you cannot get it straightened you will need a replacement.

Parts List:

	1.5" LOTUS	2" LOTUS	3" LOTUS
Sweep T	1-1/2" Line	2" Line	3" Line
Cap Size	3/4" TC	3/4" TC	3/4" TC
Rod & Cap Assembly	3/8" 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 Diameter	6"	8"	12"
Food grade oil embedded flange sleeve bearing	3/8" ID 1/2" 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	3/8" ID 3/4" OD	3/8" ID 3/4" OD	3/4" ID 1-3/8" OD
S/S clamping shaft collar	3/8"	3/8"	3/4"
S/S hairpin cotter pin	1/4-3/8" shaft diameter 5/64 wire diameter	1/4-3/8" shaft diameter 5/64 wire diameter	1/2"-3/4" Shaft diameter, 1/8" wire diameter

