

## SIMPLIFIED ASSEMBLY INSTRUCTIONS

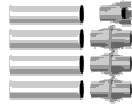
Check to make sure you have all the parts listed below:



1 Pump



3 drum seals



4 siphon tubes  
3 connectors



Instruction Manual



Compatibility Guide

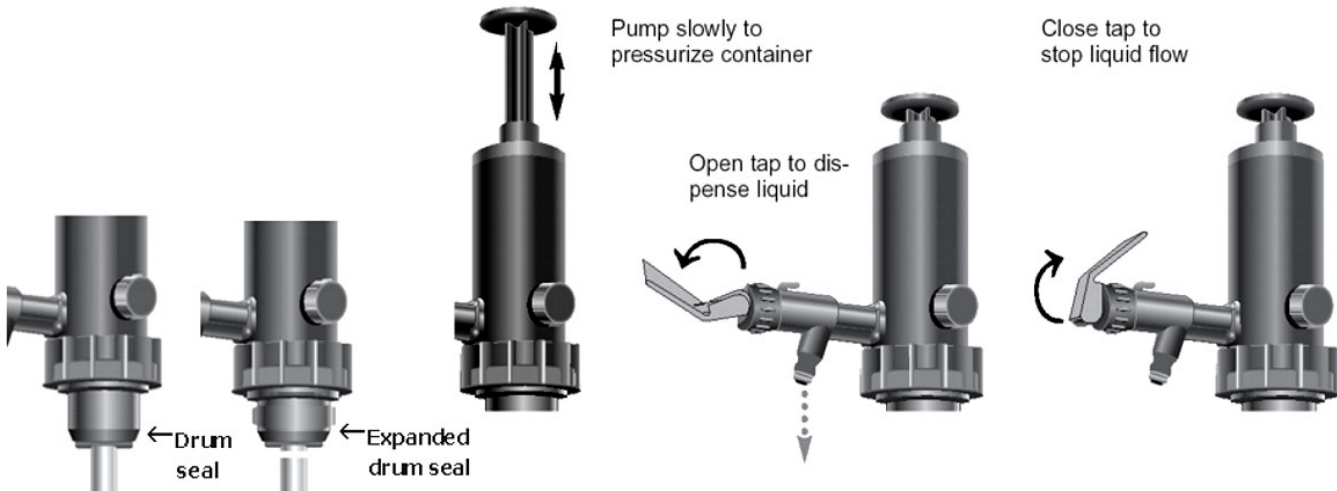
Thank you for purchasing our GoatThroat Pump. Properly used and serviced, your pump will give you years of service.

Please read all instructions thoroughly before beginning assembly. We have found this to be of great value when assembling your first GoatThroat Pump.

Depending on the model you purchased, you may receive 1 or 3 drum seals and other accessories not listed above.

### How the Pump Works

When you screw the drum seal expander clockwise, the drum seal is compressed between the bottom lip of the pump and the retaining ring. This produces a “donut” which pushes against the wall of your container for an air tight fit. Air leaks at any point in the system will reduce the pump’s effectiveness. Pressure is added using the piston on top of the pump. Opening the tap lets the fluid flow.



### **Pump assembly**

**1. Select and fit drum seal**

Select drum seal which is the closest fit to the opening on the container, standoff or buttress fitting.

**2. Apply a grease to pump lip**

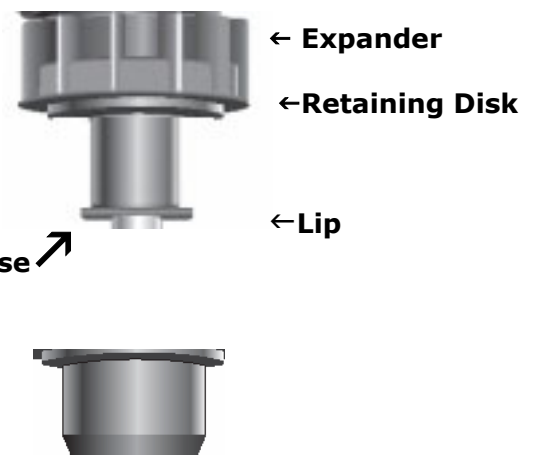
Apply a very small amount of Molykote 111 or other silicone grease to the bottom lip of the pump to improve installation.

**3. Make sure drum seal expander is fully retracted**

**4. Put drum seal on**

Slip the drum seal completely over the pump lip, and make sure the seal rests on top of the lip of the base and flush to the retaining disk. You will have to push quite hard to get the seal over the lip. The rubber will not break.

**5. The drum seal must go on top of the lip or the pump won't work.**



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## Pump assembly (continued)

### 5. Optional adapter setup

- If using standoff, wrap threads of standoff with teflon tape and screw into opening on container
- If using buttress adapter, use Teflon tape on threads of buttress adapter

### 6. Fit foot piece to siphon tube

Attach foot piece to bottom length of siphon tube (portion nearest bottom of container). This piece helps prevent clogging and maintains proper fluid flow

### 7. Assemble siphon tube

Assemble tubes, connectors and foot piece to the correct length – this is 1/2" above the top of the container opening or standoff. Cut tubes to achieve correct length as necessary. The top tube segment must be inserted at least 1 inch into pump body. Push in and twist to achieve tightest fit. Tubes must be inserted at least 3/8" into connectors. When set up correctly, the tube is wedged between the pump and the bottom of the container so it cannot fall off.

### 8. Insert pump and tubes into container

- ### 9. Expand drum seal while keeping pump firmly pressed down,
- Turn seal expander clockwise until firmly fitted.

### 10. Commence pressurizing container

Add air using piston on top of pump

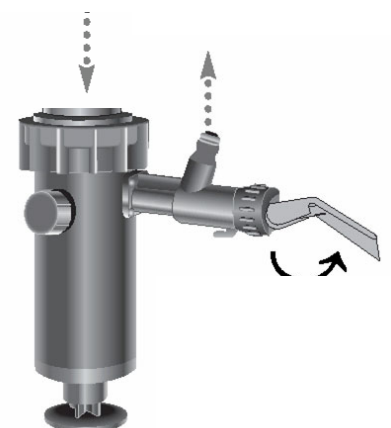
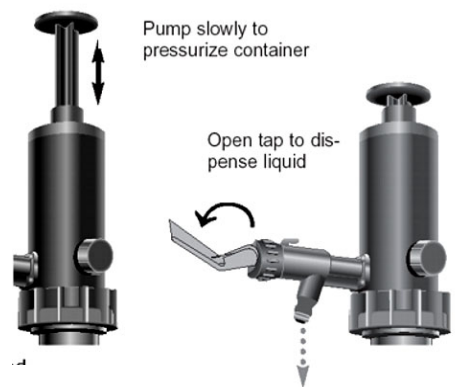
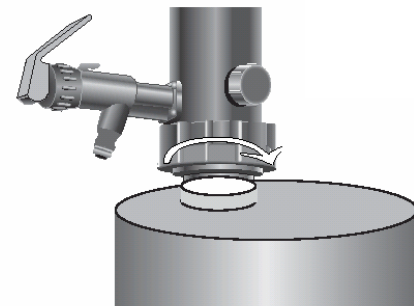
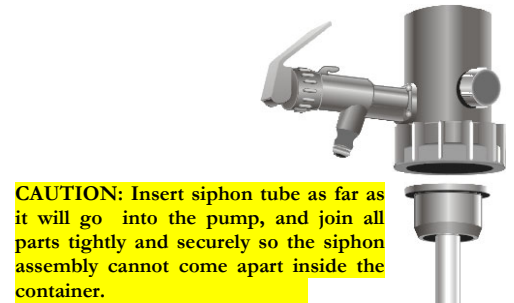
### 11. Dispense fluid

### 12. Add pressure as necessary to maintain fluid flow.

As the fluid is dispensed, the volume of fluid goes down. As the fluid volume goes down, the space for the air is increased. Therefore, you will need to add more air to keep the pressure up and the fluid flowing

## To Clean Pump

1. Wearing gloves, remove all tubes from pump.
2. Turn pump upside down
3. Open tap
4. Run water or other neutralizing fluid through the center of the pump – fluid will come out of tap



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