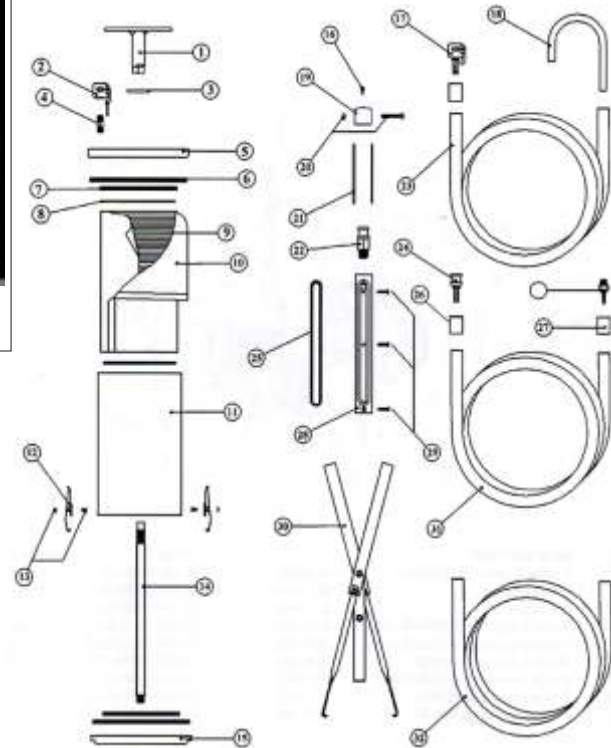


SIROFILTER



How does it work

The pump draws syrup from the syrup tank and pushes it through the filtration vessel under pressure. This high quality filtration process provides an excellent limpidity maple syrup.

Operation

- Connect the clear pump suction hose to the syrup tank (cut-off the clear 10' supplied hose)
- Connect the clear return hose and put the other end in the syrup tank.
- Connect the outlet clear hose from the filtration vessel to the filtered syrup tank.
- Connect the gray pressure hose between the pump and inlet of the filtration vessel.
- Activate the pump once syrup appears in the outlet hose of the filter press return the syrup in the unfiltered syrup tank and circulate for 30 seconds to obtain a limp syrup.
- After you are ready to send the syrup to the filtered syrup tank, or in the drum. Adjust the pressure with the bypass valve at 8 to 10 psi.
- The pressure will increase gradually. Once the pressure reaches 35 to 40 psi it is time to replace the filter cloth

Do & Don't's

You must use food grade lubricant available at your maple equipment distributor. **DO NOT USE AUTOMOTIVE TYPE LUBRICANT.**

MAXIMUM PRESSURE: DO NOT SURPASS 75 PSI

- The pressure safety valve is adjusted at the manufacture to not surpass 75 psi. Excessive pressure will damage the inner cylinder..

Filtration cloth installation

The filter cloth is wrapped over the inner cylinder. A velcro band makes the joint one o'ring is placed over the cloth at each end to close the end around the cylinder. The grooves at each end indicate the position of the o'ring.

Make sure the end of the cloth is not squeezed between the bottom or top lid and the inner cylinder. (This problem will fill the inner cylinder with syrup) (See picture on this page for proper cloth installation)

Do not over extend the usable life of the filter cloth. As they wear the quality of the filtration is affected. In many cases, it is recommended to replace them every Year. (1 and 5 microns cloths are available)

When syrup is harder to filter (beginning and end of season), we recommend using filtering aids such as: diatomaceous earth.(not necessary when there is sugar sand)

Maintenance

Pre season maintenance:

- 1- Check the condition of the o'ring. If they are cracked they must be replaced.
- 2-Coat the threads of the tightening rod with a food grade lubricant.
- 3-Check the condition of the clips to the bottom lid. Make sure it is properly compressed against the vessel.

Lubrication and maintenance of the pump:

At the end of the day, lubricate the pump while circulating warm water through the pump. Gear pump must be lubricated at every set-up. (When lubricating gear pump, make sure gray pressure hose goes into drain) (Remove excess lubricants)

Place the suction and the return hose in a pail filled with warm water. Activate the pump and gently pump grease in each grease adaptor. This way the gear axis is getting properly lubricated while the inner case of the pump is being cleaned.

Cleaning:

Clean the filter cloths and the components of the cylinder with warm water. Hang to dry, NEVER USE BLEACH OR DETERGENT. Do not soak the cylinders in an acid or chlorine solution. These products will eat up the aluminium.

Lubricants types and applications:

- Type 1 :Liquid food grade lubricant -Mobile parts & pneumatic parts
- Type 2 :Food grade grease ----- Gear pumps impellers, valves
- Type 3 :Food grease silicone -----"O" rings, "U" cups, Rubber parts

Models

syrup filter vessel is available in 12" an 24" length.
 Available pump types: -Brass Gear
 -Stainless Steel gear
 -Diaphragm
 -Piston