

**Phil's 12" Sparger
Listermann Mfg., Co., Inc.
513-731-1130**

Assembly:

The CPVC tubes and 'T' fittings form a bracket. Insert the 2 short tubes into the 'T's arms and the drilled tube into the vertical hole with the drilled hole end near the T. Slip the 3 "O" rings over the ends the tubes so that the bracket will not slide off the lauter tun. The brass sparge arm is inserted into the drilled hole, spinning part down. The hose barbed elbow is an adapter to connect the sparge arms steam to 3/8" I.D. hose. The short silicone plugs must be inserted into the ends of the sparge arm. They can be removed for cleaning clogged holes. Operation: you will need a bucket, or cooler to contain the hot sparge water. A common bottling bucket works very well. Any ordinary bucket can be used if a 7/16" hole is drilled near the bottom. Force a 1/2 o.d. - 3/8 i.d. vinyl hose into the hole. The other end of the hose is attached to the long end of the elbow. A common hose clamp can be used to control flow or a valve can be spliced into the hose. The sparge water bucket bottom should be placed at least 12" above the sparger. Take care to keep the sparge water free of particulate matter which can clog the holes.

Control the flow so the liquid level in the lauter tun is at or just above the level of the grist. You will find that the sparger produces a very gentle rain like spray that is evenly distributed.