

Phils Counter Pressure Philler Instructions

Operating Principle

To minimize foaming, this filler uses the siphon method of operation. This method maintains the same pressure between the keg and the bottle. The keg must be above the bottle to be filled. The three-way valve will deliver beer or gas to the bottom of the bottle. A check valve allows gas to return from the top of the bottle to the keg during the fill.

Assembly Instructions

The pair of hoses has two ends - the keg end and the filler end. The keg end has the longer pair of hoses coming from the "F." The filler end has a very short piece of hose and a check valve attached to the "T." To attach the filler to the hoses, hold the filler so that the valve's handle is centered and pointing toward you. Attach the hose that has no 'T's onto the hose barb on the valve's left side. Attach the very short hose to the hose barb on the valve's right side. The hose with the check valve in it is attached to the filler's stem hose barb that is below the valve.

The hoses are meant to be connected to 1/4" hose barbs. Keg disconnects should have either the 1/4" hose barbs or flare fittings that connect to 1/4" hose barbs. The hose that runs to the CO2 regulator will also need to be connected to a 1/4" hose barb. Flare fittings will make cleaning much easier.

Turn the valve handle to the off position (the valve's handle should be perpendicular to the ports and pointing toward you). Attach the longer hose coming from the 'T' to the pressure regulator and the out "out" disconnect to the hose coming from the left side of the valve. The "in" disconnect should be attached to the hose coming from the right side of the valve on the short end of the "F."

Operation

The keg should be chilled to almost freezing. To minimize foaming, it is best that the regulator's pressure is set at or slightly above the natural pressure of the keg. A good way to do this is to turn the regulator all the way down to zero. Attach the disconnects to their respective posts and open the regulator's valve. Slowly begin to turn the regulator's pressure up, until the sound of gas is heard. The regulator's pressure setting will now be very close to the kegs natural pressure.

Again, the keg will need to be above the bottles. Placing the keg on a counter top or on a table and the bottles on the floor is fine.

IMPORTANT! To start the siphon, put the filler's stem into a glass or jar to catch the flow. Turn the valve's handle to the left When the beer pours through the filler, turn the valve off. (Handle centered).

To fill a bottle, insert the filler's stem into a bottle and lightly seat the stopper. Evacuation of the air in the bottle is accomplished by turning the valve to the right while letting the gas escape from the bottle at the stopper for a few "puffs."

Pressurize the bottle by tightly seating the stopper. Keep the valve open to the right a few seconds until the gas no longer sounds like it is flowing. To fill, turn the valve to the left The bottle will fill with beer as the gas in the bottle is moved to the keg. When the bottle is full, turn the valve to the off (center) position and carefully lift the stopper from the bottle. Cap the bottle immediately and go to the next bottle.

The first bottle or two might be foamy until the filler is cooled to the beer's temperature. Cooling the bottles for highly carbonated beers will help minimize foaming. The check valve may leak slightly, but this is harmless to the filler's operation.

Cleaning

Remove the disconnects from the hoses and disconnect the hose from the regulator. Disconnect the check valve's hose from the filler's hose barb. Flush all the parts with water, being sure to flush the valve in both positions. Do a final flush with a no-rinse sanitizer and allow to air dry.