

Oxy Blast System Installation Guide

This installation and operation guide for installing the Oxy Blast System is intended to help a person install the Stenner metering pump on their own. (Also see instructions in the pump box)

Installation of the Stenner Metering Pump

(All the fittings and tubing required for installation are provided)

Attach the Stenner pump to the wall using two wood screws to fasten the slip-on bracket that is furnished. The pump can be mounted either vertically or horizontally. If it is mounted vertically, mount it with the pump head facing down.

1) Plumbing

a) To attach the injector fitting, you must put a tee into the line when working with black plastic or galvanized pipe. The leg of the tee must eventually have a 1/4" FPT to accommodate the 1/4" male pipe thread on the injector fitting (that is provided). You may have to use a reducer to get down to 1/4".

b) If you are working with PVC pipe, you can either put in a tee or a 7/16" hole can be drilled into the PVC pipe and then tapped with a 1/4" NPT tap. The site of the injection fitting should be ahead of the pressure tank if at all possible. If a pressure tank system is not used, then put the injection fitting ahead of any tees in the waterline if you want the Oxy Blast to go to the entire farm.

Helpful Hint: when tapping the PVC pipe, do not run the tap all the way down through the pipe. It could result in a loose-fitting injection fitting that cannot be sealed properly. If you stop too soon and the injection fitting will not start or screws in hard, you can always run the tap in a second time to make the opening a little bigger.

c) To finish the hookup of the pump, connect the 1/4" tubing to the pump, injection fitting and strainer weight using the plastic ferrules provided to make the proper connection. Cut the 1/4" tubing to desired length.

2) Electrical Hook-up * *Since the pump cannot run continuously*, it must be turned on and off by using one of two methods:

a) Pressure Switch - the pressure switch is the easiest to wire into the system and the most economical. One option is to run the electrical wires out of the main box through conduit to an electrical outlet box mounted near the pump. These wires are connected to the main box so that electricity will flow to the outlet box only when the well pump is running. (this is where it is best to have a qualified electrician do the wiring - if a 110 V pump is mistakenly plugged into an outlet wired 220V, the core of the pump motor will be ruined)

b) Flow Switch - a flow switch must be used when you are pumping rural or municipal water or you want to direct the Oxy Blast to go only to a certain direction when the entire system is turned on and off by a pressure switch. A good flow switch could retail for \$185, so hooking up to a pressure switch is the cheaper way to go.

The only sure way to test for Oxy Blast levels in the water is to use Oxy Blast test strips that can be purchased for \$25/bottle of 50. The directions for proper use are on the bottle. For example, a pump setting of between 2 and 4 should give you a 25 PPM level. You'll just have to use the trial and error method to get to the desired level.