

Venturi Water Pump

Step 1.

Connect the pump to a single tooled compressor (Air demand 80-120cfm) with a $\frac{3}{4}$ " I.D. minimum supply line.

Step 2.

Connect the discharge hose to the open end of the pump and tighten using a hose clamp (provided with system if purchased complete with Lay-flat hose).

Step 3.

When using with Lay-flat hose ensure the hose is completely unraveled and free of kinks. This will prevent blow back when the pump is in use. The discharge hose length should not exceed 20 feet.

Step 4

Turn the compressor on and build up pressure. Fully submerge the pump base into the water and gently open the air valve, water will discharge from the trench through the venturi pump. In certain situations it may be necessary to create a dam around the venturi pump to prevent pebbles and small rocks from being discharged along with the water.

(In tests the venturi water pump was capable of moving approximately 4,000 gallons of water per hour at a height of 13 feet.)

Please note: In order that the lay flat hose does not close on itself where it crosses the lip of the excavation, pass it through a 2 $\frac{1}{2}$ " – 3" i.d. 45° elbow, or something similar, at that point.