

Rainwater tank pump for low pressure irrigation

Pump

Submerge a sump pump inside your rainwater tank with 1" to 1 ½" PVC pipe connected to the outlet to bring water out the top of your tank. The sump pumps that work best need to have a vertical float switch (to protect the pump when the tank is empty), ½ HP to 1 HP, at least 25 feet of head lift and high flow (~3000+ GPH)

\$70-\$170 (Harbor Freight/Amazon/Ebay)



Timer

To control the pump, you can use whatever programmable timer you like as long as it will provide 120V to the pump. A simple solution is one of these little plug-in 120V Programmable Timers. This kind is not weatherproof, so be sure to protect it from the weather.

\$10-15 (Ebay/Amazon)



Tubing

Connect the sump pump outlet pipe (PVC mentioned above) to standard ½” black poly irrigation tubing (Home Depot/Lowes) with your favorite style of emitters. I find flag emitters work best. Position the emitters at the base of your trees or plants.

