

## MATALA POND VACUUM II

### Normal Function

This type of vacuum is suitable for ponds less than 3000 gallons. It is designed as a “routine maintenance” vacuum. It will vacuum silt, algae, small leaves and loose plant debris, small individual pebbles, fish waste and sludge. If your pond has been neglected and is very dirty it is advised to remove the very large debris first with a good heavy duty cleaning net or drain the pond completely and then use the vacuum to maintain clean conditions. It will work on large dirty ponds but will need some patience due to the level of dirt in the pond.

If you have a large pond that has certain limited areas where debris always accumulates then this vacuum will also be very suitable.

Our Pond Vacuum comes with 3 different suction heads and a large vacuum type head. It is advised to use the smallest head possible for the job in order to prolong the suction cycle. If you use the bigger suction head then the vacuum will draw in water very quickly. If you use the smaller suction head then you will have a longer vacuum period.

Any type of vacuum will be challenged in a pond with a lot of pea gravel or small stones. If the pond has rocks and gravel on the bottom then it is advised to use the smallest opening head. Some hobbyists will design their own head with holes in it in order to push the head through the gravel to suck up dirt but not the rocks. This vacuum is not designed to remove large quantities of gravel or rock.

#### The normal function and process for the Matala Pond Vacuum II is as follows:

-Open the yellow ring on the handle all the way to slow down suction timing. Only close yellow ring with finger to increase suction when needed for a heavy object..

-The vacuum has an approximate 40 seconds of vacuum suction time with 20 seconds of drain out time. During the suction period the vacuum body fills with dirty water. When the body is full an internal float rises up and turns off the motor. When the motor turns off it activates a 20 second timer. During this 20 seconds the dirty water will drain out of the body by gravity downhill to your garden or yard drains. Do not return dirty water to the pond. The motor will turn on again in 20 seconds even if the tank is not drained completely. After 20 seconds the motor will turn on automatically and resume the vacuum suction period.

-To ensure a complete drain out, the vacuum body should be elevated on a sturdy foundation above the end of the drain out hose. This will ensure that the waste water will drain properly by gravity during the drain out period. At the end of the drain out hose is a one way flapper valve. Be sure that this valve is able to open so that the tank can drain. If some debris is lodged in the drain hose or the flapper valve then the tank may not drain completely. If the flapper valve is stuck open then you will not have good suction during vacuum cycle.

- The vacuum motor has an internal black foam filter sleeve which protects the motor from debris. Be sure this foam sleeve is clean and in the proper position to protect the motor.

- There is a round gasket between the body and the motor head. Be sure this is in proper place. The vacuum should be stored with the motor firmly attached to the body to ensure a proper seal and maintain the body shape during storage periods.