

Frequently Asked Questions

What is a Rainwater HOG?

The rainwater HOG is a 50 gallon storage module which can be linked horizontally or vertically for collecting rainwater.

What is the water from the Rainwater HOG used for?

Rainwater HOG is made of potable plastic and the water from the Rainwater HOG can be used for irrigation i.e. with your existing drip system for watering plants, for hosing the car or even as an emergency backup water supply. HOGs can also be plumbed back into the house for toilet flush and washing machines.

Why is it so small?

The Rainwater HOG is a modular solution that has been designed to fit in areas that larger tanks, cisterns, and rain barrels will not fit. The compact shape makes each HOG easy to carry and fit into tight spaces, and the modular design means you can link HOGs together to get any volume you require.

What is modular?

Each HOG joins to the next – so you can start with a few units for irrigation purposes then extend the number of modules to allow toilet flush, as an example, from the HOGs as well. HOGs are designed to screw together – and screw apart for reuse. This means you can change your rain storage capacity as your needs change. We have clients who have installed single units right up to others who have over 100 HOGs installed.

Can I install the HOG in regions where it snows?

Yes, the Rainwater HOG is made of high density polyethylene that can withstand temperature extremes of between -30°C/22°F to +60°C/140°F. At the onset of winter you need to empty your HOG and divert the downspout to prevent water entering the tank. In spring make sure you open the tank again to catch your thaw!

Will the Rainwater HOG handle hot conditions?

The HOG has been designed to withstand the hot Australian sun and has a UV stabilizer added – UV8, the maximum UV protection for polyethylene.

Does it have to be installed vertically?

No, the Rainwater HOG can be installed vertically or horizontally, such as under a deck or beneath the floor boards. The HOG can be installed underground or above ground, and inside a building or outside.

Who designed the Rainwater HOG?

The rainwater HOG was designed by Sally Dominguez. Sally was practicing architecture in Sydney when she realized the need for a small but scaleable solution for rainwater rescue in urban areas. When Sally found there were no easily retrofitted, aesthetically acceptable, functional rainwater harvesting solutions on the market she

decided to start from scratch and design a user-friendly, reusable, water-filled building block. This is the HOG.

The Rainwater HOG seems expensive compared to larger capacity tanks. Are you comparing tank only prices, or have you looked at the cost of transportation and installation as well?

When comparing larger tanks to the Rainwater HOG, it is important to take into account the total cost of ownership with both solutions. HOG is designed to be inherently “greener” than its competition: it is easier to handle, transport and install, it is reusable, water-filled building block. This is the HOG.

The Rainwater HOG seems expensive compared to rain barrels of the same size.

The HOG is an architecturally designed unit that has been made of the highest quality plastics. It is visually discreet, structurally robust and can be installed on any of its sides. If you are looking for a long lasting quality product which adds value to your home, there is no comparison between the Rainwater HOG and a rain barrel.

Are any accessories available with the Rainwater HOG?

Each Rainwater HOG is supplied with a connector to join up further units and an air vent for the top of each tank. Optional accessories include a Wall Kit (to attach the HOGs to a wall) and an Inlet/Outlet Kit (to stop debris from the roof getting into the tank and to allow easy access to the water from the HOGs).

Can the HOG help with thermal mass?

Yes, recent tests have shown that the HOG outperforms concrete when it comes to improving a building’s thermal mass capabilities.

Does the installation of the HOG help gain LEED credits?

Yes, an independent evaluation of the Rainwater HOG has shown that you can gain up to nine LEED points by the installation of the HOG in either a new building or a renovation project.

What colors do the HOGs come in?

The standard color for the Rainwater HOG is Olive Green. However, non standard colors can be accommodated for orders of 20+ HOGs but this will result in a longer lead time and a slight increase in cost (via a one off fee).

What is the lead time on receiving the HOG once ordered?

There is a one to two week lead time in the delivery of the HOG following receipt of a written purchase order and payment for the tanks. As outlined above, non standard colors will add to this lead time.

Rainwater HOG SPECIFICATIONS

Modular Rain Storage

1. Product Name

Rainwater HOG™

HOG™ Wall Kit

HOG™ Inlet/Outlet Kit

2. Distributor

US Hydrotech Environmental Solutions

1007 W. College Ave. #461

Santa Rosa, CA 95401

(707) 793-4800

(888) 473-3650

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3. Product Description

BASIC USE

Rainwater HOG is a modular, flat-sided, slim line tank used to collect and store roof water for use in landscaping or within a building.

Rainwater HOGs attach to the gutters or downspouts of a structure and can be used singly or in groups, positioned vertically or horizontally with the supplied connectors.

Rainwater HOG provides durable, potable rainwater storage for applications with high exposure or limited space.

The HOG Wall Kit is a patented connection which provides lateral stabilization for the HOG when installed vertically against structures. The HOG Wall Kit also allows HOG to be clad on one or both sides.

The HOG Inlet/Outlet Kit comprises a fine steel screen to filter roof debris at the inlet to HOG, and a plastic ball valve to control the water supply at the HOG outlet.

COMPOSITION & MATERIALS

Rainwater HOG is a food grade, medium density polyethylene tank with a UV8 UV stabilization rating.

Rainwater HOG has four 1" NPT brass threaded connectors cast into each HOG – two at the top and two at the bottom of each tank for connection to additional HOGs. Each Rainwater HOG is supplied with a heavy duty glass fiber reinforced flexible nylon connection fitting approved for potable water applications.

The HOG Wall Kit utilizes a Unistrut™ Channel, a spring nut for the Unistrut, and a threaded rod, 3mm stainless plate and dome nut to connect the HOG to the wall.

PRECAUTIONS LIMITATIONS

- Rainwater HOG weighs 40lb empty and 440lb full and must be secured to an adjacent structure at all times.
- Rainwater HOG LLC takes no responsibility for any damage or injury caused by incorrectly installed HOGs. Failure to mount the HOG securely could have fatal consequences for children or small animals.
- Rainwater HOG must not be connected to a head of water greater than 78" at any time.
- Rainwater HOG water should not be used for drinking unless properly filtered with a third party filtration system.
- Always install Rainwater HOG on a compacted and stable base.
- Never allow the weight of Rainwater AHOG to bear on the Wall Kit. The Wall Kit is for lateral stability only.
- Where temperatures may reach freezing, always ensure that Rainwater HOG is no more than 1/3 full.
- Do not pierce or otherwise puncture the walls of the Rainwater HOG.

4. Technical Data

Tank plastic complies with FDA and HPB regulatory standards for food contact. Listed by National Sanitation Foundation for Connections approved for potable water applications AS4020.

PHYSICAL PROPERTIES

Color: Bronze Olive

Dimensions: 9 ½ x 71 x 20"

Wall Thickness: 1/8 inch

Tensile Strength: 2550psi

Deflection temp@66psi: 142°F

Peak melting: 261°F

Weight: empty 40lb/full 440lb

FIRE RATING

Underwriters Laboratories (UL) flammability standard 94HB for tank material.

5. Availability

AVAILABILITY

Rainwater HOG is currently available in North America. Delivery to occur within two weeks from receipt of a written order

and payment. Custom colors are available with a volume order but will result in an extended lead time and a once off color match fee of \$500 per new color.

6. Warranty

Rainwater HOGs carry a 12 month warranty against defects.

7. Maintenance

When installed in accordance with manufacture's recommendations, Rainwater HOGs will not require maintenance other than a flush out every 2 – 3 years. Either flush through the Inlet with a high pressure hose, or unscrew the connectors and hose HOGs individually.

8. Winterization

Before temperatures reach freezing or at the time of the decommissioning of your irrigation system, it is highly recommended to either drain the HOGs or reduce the level of water in the tanks to 1/3 full. Please also ensure that the ball valve is turned to the open position. Downspouts should be diverted to the overflow and away from the tank inlet.

VERTICAL INSTALLATION

For vertical installations (on a wall), it is highly recommended to use the HOG Wall Kit to secure the HOG to an adjacent structure lateral support. It is important to ensure that the weight of the HOG is bearing downwards – the Wall Kit must not carry any downward weight.

HORIZONTAL INSTALLATION

For horizontal installations (on ground/under decks), the inlet end of the HOGs needs to be raised to create the required fall. It is important that the HOGs are supported so that they do not move when full. A pump is generally required with horizontal installations.

CONNECTIONS

Each HOG is supplied with a threaded connector and a threaded elbow vent. Each HOG connects to the next at the flanged base using the threaded connectors. HOGs come with their threaded connection holes plugged with a threaded bung. Remove only threaded bungs necessary to connect HOGs. Wherever a connection hole is not utilized – for instance the second top threaded hole not

used for venting – leave the bung in place to prevent spillage as the HOG fills. Use plumbers tape in the threads to insure that the connectors and vents are water tight.

9. Plumbing

VENTING

Each HOG is supplied with an elbow air vent which is screwed into one of the top threaded holes and turned upwards to allow air to flow as the tanks fill and empty. The inlet tank does not need an elbow vent.

INLET

To create the Inlet on a vertical HOG, it is necessary to cut off the raised knob on the top of the first HOG. With a horizontal installation, a 3 1/2" hole will need to be drilled in the first HOG to allow water from the downspout to enter the HOG.

DOWNSPOUT

The downspout needs to be cut on a 45 degree angle, with the lowest point 3" above the screen to allow leaves to disperse. The screen needs to be cleaned out periodically.

OVERFLOW

Install a T piece of piping to your downspout or attach an extra hose into one of the top threaded connector holes for any overflow due to heavy rains. The overflow is then either directed back down the downspout into drain or into the hose which can be used to water your garden.