

SPECIFICATION

Master spec no. HOG-1602

Rainwater HOG

Modular rain storage

1. Product Name

Rainwater HOG_t
HOG_{t,m} Wall Kit
HOG_{tm} Inlet/Outlet Kit

2. Manufacturer

Rainwater HOG LLC
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3. Product Description

BASIC USE

Rainwater HOG is a modular, flat-sided, fully enclosed tank used to collect and store rain water from a roof 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 kit of parts comprising channel, spring nut, bolt, plate and dome nut, 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 (OUTLET1") or faucet with hose-compatible thread (OUTLET3/4") 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 Schedule80 PVC threaded connection fitting and a screened elbow vent, both approved for potable water applications.

The HOG Wall Kit utilizes a steel Unistrut_t Channel, spring nut and M10 threaded rod, a 3mm stainless steel plate and a steel dome nut.

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.
- 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 HOG 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 winterized so that water flows through the

system and does not hold and freeze.

- 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. Connections approved for potable water applications AS4020.

PHYSICAL PROPERTIES

Colour: 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/ full440lb

FIRE RATING

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

5. Availability & Cost

AVAILABILITY

Rainwater HOG is currently available in North America two weeks from receipt of payment and written order to Rainwater HOG LLC.

Custom colors are available with a volume order but will result in an extended lead-time and subject to a once off color match fee.

COST

Rainwater HOGs are competitively priced. For specific information contact Rainwater HOG LLC at info@rainwaterhog.com.

6. Warranty

Rainwater HOGs carry a 12-month warranty against defects.

7. Maintenance

When installed in accordance with manufacturer's recommendations, and used in conjunction with gutter guards or other leaf and debris filters, Rainwater HOGs will not require maintenance. In silty or leafy areas it is prudent to flush HOGs every 2 – 3 years either through the Inlet with a high-pressure hose, or by unscrewing the connectors and hosing connectors and connection holes individually.

8. Winterization

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

9. Technical Services

Full-time technically trained Rainwater HOG LLC representatives provide support. For technical assistance email Rainwater HOG at info@rainwaterhog.com or call 415 891 8748..

Additional information including installation drawings and technical data is available from Rainwater HOG LLC.

10. Installation

HOG must be oriented so that the nub is at the top and the flanged end is the base. Each HOG comes with a threaded flexible connector and an elbow strainer air vent.

VERTICAL INSTALLATION

For vertical installations (on a wall or other supporting structure), the HOG Wall Kit or another lateral anchoring system should be used for lateral support. It is important to ensure that the weight of the HOG is bearing downwards - the Wall Kit must not carry any weight from the HOGs.

HORIZONTAL INSTALLATION

For horizontal installations (on ground/under decks), the inlet end of the HOGs needs to be raised to create the required fall of 1 in 100. It is important that the HOGs are supported so that they do not move when full.

CONNECTIONS

Each HOG connects to the next at the flanged base using the threaded connectors. HOGs come with their threaded connection holes plugged. Remove only the plugs necessary to connect HOGs. Wherever a connection hole is not utilized – for instance the second top threaded hole not used for venting – leave the plug in place and tighten to prevent spillage as the HOG fills.

Use plumbers tape in the threads to insure that the connectors and vents are watertight.

DO NOT OVERTIGHTEN CONNECTIONS. Excessive force on the brass inserts may cause them to loosen in their plastic casting and leak. Hand tighten only.

VENTING

Screw the air vent elbow into one of the top threaded holes and turned upwards to allow air to flow as the tanks fill and empty. Screw strainer basket into elbow to screen the vent. The inlet tank does not need an elbow air vent (i.e. for each set of HOGs you will have one spare vent).

INLET/OUTLET KIT

To create the Inlet opening cut off the raised nub on the top of

the first HOG to create a 3-½ inch opening with raised edge. Push the screened cover firmly over the opening. Depending on the fall a horizontal HOG inlet may require an elbow of 3-½ inch pipe between the opening and the screen to ensure the HOG fills to capacity. Screw the outlet ball valve to the connector of the last HOG in the installation furthest from the inlet HOG. Ensure the valve is closed so that water cannot flow from 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 inlet screen needs to be cleaned out periodically. Alternatively if a leaf catching system is used in the catchment gutters the downspout may connect directly to the HOG inlet.

OVERFLOW

For light rainfalls attach a 1-inch hose to one of the top 1-inch connection points on HOG and divert the overflow to an area of garden or grade. For heavier rainfall areas size a T-junction pipe to your existing downspout and install it above the HOG inlet with the stem of the T pointing to one side. Alternatively use a 3" Ty Seal to create a larger overflow in any wall of the HOG. Once the HOGs fills the water will back up to the T section and overflow out the stem of the T. Connect the stem of the T back to the storm water gully or to an area of garden or grade for watershed recharge.

In areas where the temperature drops below freezing it is recommended that a ball valve be installed between the HOG inlet and the overflow so that the supply of rainwater to the HOG can be shut off and any water flow redirected to the

overflow for winterization of the HOG system.

PUMPING

Horizontal HOG installations and any vertical HOG installation involving pressurized irrigation will require a pump. The outlet ball valve has a female 1-inch NPT thread that will connect to most commercial pumps. You will need to turn the valve to OPEN for the water to flow from HOG to pump. Please contact info@rainwaterhog.com if you require assistance with your pump selection.