

leaf beater™ RAIN HEADS

Product: Leaf Beater® Rain Heads

Code: RHLB01 – 80/90mm Dual Fit Round
RHLB02 – 100mm Round
RHLB03 – 100x50mm Rectangle
RHLB04 – 100x75mm Rectangle

Prevents leaves and debris from blocking downpipes and entering the rainwater tank.



Product Description

Keeps your Rain Harvesting system free of mosquitoes, vermin and debris.

The Leaf Beater® is a compact rain head with an elliptical primary screen that has four settings and can be adjusted to achieve the best operating setting depending on the intensity of rainfall and the amount of debris.

As the water flows from the gutters, it carries leaves and small pieces of debris. The Leaf Beater® features an integrated flow directional gutter outlet which directs the flow of water onto the adjustable primary screen of 6mm aperture. This screen is virtually vertical, enabling the action of the water to wash the screen and minimise maintenance. A secondary stainless steel screen of 0.955mm aperture further filters the water and prevents mosquitoes and vermin from entering the pipe system to the water tank.

Features and Benefits

- Prevents debris entering the tank which improves tank water quality and reduces maintenance
- Prevents blocked downpipes which stops backflow of water into gutters and eaves
- Compact – ideal for use with under eaves tanks
- Primary screen has four angled settings
- Easy to paint
- Can be mid-mounted on a wall at a convenient height making easier for cleaning
- Includes two stainless steel screens:
 - 6mm aperture for removal of leaves and debris
 - 0.955mm aperture preventing mosquitoes and vermin from entering the pipe system and rainwater tank
- Minimal maintenance

Compliance & Guidelines

- AS/NZS 4020:2005 – Testing of products for use in contact with drinking water
- Queensland Development Code MP 4.2 – Water Saving Targets
- HB230:2008 Rainwater Tank Design and Installation Handbook
- Queensland Health Regulations 1996 (Part 8 - Mosquito Prevention)
- AS/NZS 3500.3:2003 Plumbing and Drainage – Stormwater Drainage
- enHealth Council
 - Guidance on the Use of Rainwater Tanks
 - Preventing Mosquitoes Breeding

Installation

AT GUTTER INSTALLATION

1. Remove the existing Gutter Outlet from the roof guttering system.
2. Hold the new Gutter Outlet #4 against the fascia and against the bottom of the gutter where the new outlet hole is to be. Use the Gutter Outlet as a template, draw around the inside of the outlet to mark the underside of the gutter for the new hole and cut out with tin snips.
3. Refit the Gutter Outlet #4 to the main body #1 and place a small amount of sealant in the sealant groove in #4.
4. Slide the Leaf Beater® up against the fascia and position the Outlet #4 over the gutter outlet hole and fasten the unit to the fascia with two rivets or screws through the back of the body #1 and into the fascia.
5. The Leaf Beater® is now ready for connection to the downpipe. Do NOT glue the Leaf Beater® to the downpipe. SECURE with a screw for easy removal.
6. Refit the Secondary Screen #3, then refit the Primary Screen #2 and set on position 'A'. Observe the performance of the Leaf Beater® during an average rainfall and adjust down notch by notch until the best operating setting is achieved.

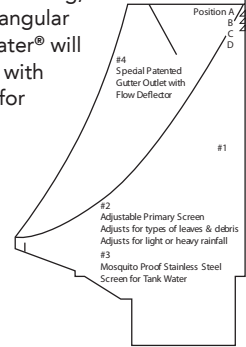
NOTE: Where gutters are stretched out or out of square it may be necessary to rivet the Outlet #4 to the gutter. Take care to ensure the Outlet #4 is sealed to the gutter in all situations.

MID-MOUNT INSTALLATION

To improve access for cleaning, Leaf Beater® Rain Heads can be mounted down the wall at a convenient height. When 'pushing water' over long runs and depending on the volume of water required to be moved, the Rain Head may need to be mid-mounted more than 1.2m above the discharge point.

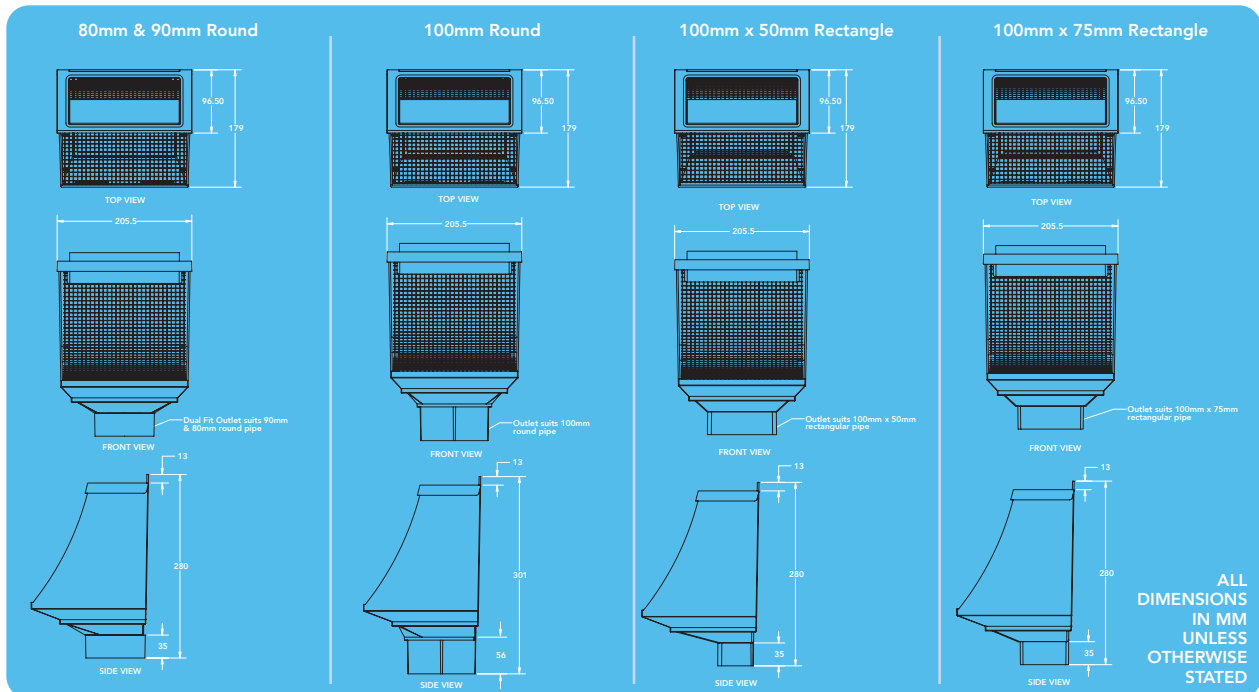
It is important to note that when mid-mounting, the flow directional benefits of the rectangular gutter outlet supplied with the Leaf Beater® will be lost. However this is to be balanced with the benefits gained from easier access for maintenance.

For mid-mounting, discard the top flow-directional gutter outlet. Cut the entry downpipe at about 60°, allowing 50mm clearance between the pipe and the primary screen. This ensures the end of the pipe is parallel to the screen and helps direct the water onto the face of the screen most effectively.



Painting your Leaf Beater®

The main body of the Leaf Beater® is made from lead-free PVC and can be painted to complement the building. For best results wash down with methylated/white spirit and then paint.



Maintenance

The Primary Screen #2 of the Leaf Beater® is mostly self-cleaning, but from time to time, leaves may become jammed. Check the Secondary Screen #3 periodically to ensure it is clear, and hose or brush off if necessary.