

THE **leaf** **eater**[®] RANGE

High performance downspout filters

**No more blocked
gutters!**



- No more blocked gutters or flooded eaves!
- Deflect leaves and debris away from the flow of water
- Eliminate a fire hazard
- Prevent debris, mosquitoes and vermin entering the water system
- Improve rainwater quality and catchment efficiency
- Reduce tank or cistern maintenance
- Protect the home by removing debris
- Fit to downspouts - attach to gutter or wall
- Paint to color match the home

screened downspout filters

Leaf Eater[®] - high performance downspout filter

The Leaf Eater[®] is the **ultimate high performance downspout filter** for use in heavy rainfall areas.

Not only does it **protect the home** by preventing gutters from blocking and flooding of eaves, the Leaf Eater[®] also **improves water quality and catchment efficiency, reduces tank maintenance and protects rainwater pumps and internal appliances**, such as clothes washing machines, toilets, hot water systems, etc.

The Leaf Eater[®] is ideal for use as a **debris removing device** even when rainwater is not being collected.

Leaves and debris that build up in gutters can be flammable and represent a significant fire risk. By screening leaves onto the ground, the Leaf Eater[®] helps prevent gutters from blocking and **helps reduce a fire hazard**.



Downspout filters can be mid-mounted on a wall at a convenient height making them easy to access for cleaning.

How it works

As water flows from the gutters it carries leaves and small pieces of debris. The Leaf Eater[®] incorporates a flow directional gutter outlet which directs the flow of water onto the face of the primary screen and **improves the hydraulic performance of the downspout**. The water washes over this screen which has a 1/4" aperture mesh and is set at an angle to the horizontal of around 45°. This angled screen is practically **self-cleaning** and forces the leaves and debris away allowing the water to continue through towards the secondary screen. The secondary stainless steel screen of 1/32" aperture mesh is also included however can be removed if the Leaf Eater[®] is being used purely as a debris removing device and rainwater is not being collected in tanks.

This secondary screen further filters the water and prevents mosquitoes and vermin from entering the pipe system to the water tank. Once the water passes through these screen/s it flows freely into the downspout.



The Leaf Eater[®] was the first multi-screen downspout filter developed.



Downspout filters protect the home by preventing gutters from blocking and flooding of eaves. They also reduce a potential fire hazard.

How it is installed*

The Leaf Eater[®] is usually mounted **directly to the underside of the roof gutter**. A flow directional rectangular gutter outlet comes with each Leaf Eater[®] and allows an increased flow of water that is directed onto the angled primary screen. This **makes rainwater catchment more efficient**. The Leaf Eater[®] can also be **mid wall-mounted on a wall** at a convenient height **to make it easier to access** for cleaning. When mid-mounting, the gutter outlet is discarded and the entry downpipe is cut at 45°, allowing 2" clearance between the pipe and the primary screen. The Leaf Eater[®] is designed to fit 3" round downpipes, however if other round or rectangular downpipes are in place, standard adaptors can be used.

The main body of the Leaf Eater[®] range of downspout filters are made from lead-free PVC and **can be painted to color match and complement the home**. For best results wash down with methylated/white spirit and spray paint.

A compact high performance downspout filter

The Leaf Beater[®] works using a similar principle to the Leaf Eater[®] and is more compact, making it **ideal for use with under eaves rainwater tanks or rain barrels**. It features an integrated flow directional gutter outlet which directs the flow of water from the gutters onto an **adjustable elliptical primary screen** of ¼" aperture. This screen is virtually vertical enabling the action of the water to wash the screen and **minimise maintenance**.

A secondary stainless steel screen is also included to keep mosquitoes and vermin out of downpipes in a "wet" system, however it can be removed if Leaf Beater[®] is being used purely as a **debris removing device** and rainwater is not being collected.

How it works

An ingenious feature has been incorporated into the operation of the primary screen. **Four settings** can be applied to vary the angle at which the elliptical primary screen faces to **adjust for various intensities of rainfall and amounts of debris**. After observing the performance of the Leaf Beater[®], the screen can be adjusted until the best operating setting is achieved.

How it is installed*

The Leaf Beater[®] is usually mounted **directly under the roof gutter**, however can be **mid-mounted** on a wall **to make it easier to access for cleaning**. The Leaf Beater[®] range includes **four variants** and connects with **PVC and metal downspouts**.

1. For round downspouts – both 3" and 4" sizes,
2. For rectangular downspouts – both 3" x 2" and 3" x 4" sizes



The angle of the primary screen on the Leaf Beater[®] can be adjusted depending on the intensity of rainfall and the amount of debris in the area.

The versatile multi-screen downspout filter

The Rain Catcher[®] is a versatile leaf and debris catcher with two horizontal internal screens. One is 1/4" and the other stainless steel screen is 1/32" to keep mosquitoes out. The Rain Catcher[®] is ideal for **low rainfall, low leaf areas**. It is ideal as an **inlet screen for rain barrels and rainwater cisterns** and can also be used as a funnel for collecting **water tank overflow**.

How it works

Rather than deflect leaves and debris away from the downspout and onto the ground, the Rain Catcher[®] collects material from the gutter in its main body. The two horizontal screens prevent leaves and debris from entering the downspout system. A sand filter is also provided and prevents sand and silt entering the downspout. To clean, simply lift out and empty and replace the Rain Catcher[®].

How it is installed*

The Rain Catcher[®] can be mounted directly under the roof gutter or wall-mounted. The Rain Catcher[®] is a 3" and 4" round dual fit filter.

The Rain Catcher[®] collects material in its main body and is ideal as a funnel for collecting tank overflow water, or as an inlet screen for tanks and rain barrels.



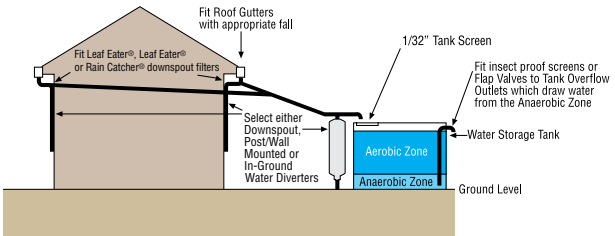
One of the most important fire prevention measures is to keep gutters clean. Rotting leaves prevent gutters draining effectively. Water that 'ponds' in gutters provides a breeding ground for mosquitoes.



“WET” AND “DRY” SYSTEMS

“Dry” systems

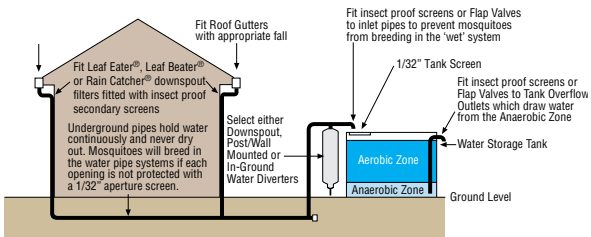
The pipe system runs direct from the gutter into the tank. The pipes drain out after rain and do not hold water when the rain stops. “Dry” systems are best because water sitting idle in pipes can become stagnant and provides a potential breeding ground for mosquitoes. You can remove the secondary stainless steel screen included with the Leaf Eater®, Leaf Beater® and Rain Catcher® downspout filters in “dry” systems, and this will help them perform better. Note: In the case of the Leaf Eater®, the secondary screen frame must be refitted for the primary screen to rest on.



“Wet” systems

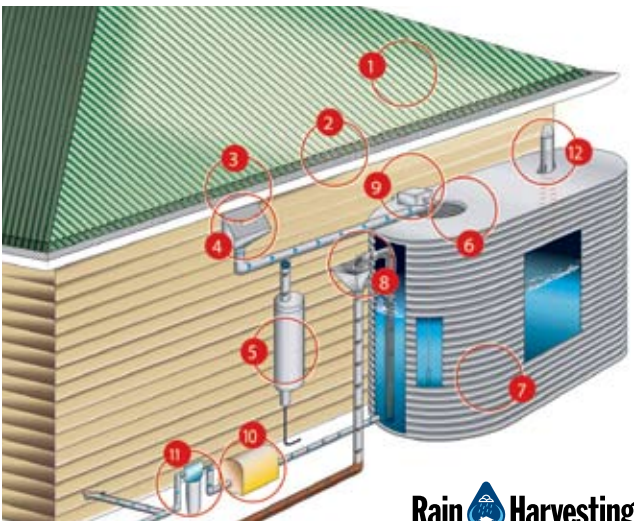
The pipes from the gutter go down the wall and underground and then up into the tank. Because the pipes are underground and below the entry point to the tank, even during periods without rainfall water remains in the pipes. Where pipes hold water they must be screened with a non-corrosive screen of not more than 1/32” aperture to prevent the entry of mosquitoes and vermin. The Leaf Eater®, Leaf Beater® and Rain Catcher® downspout filters include stainless steel screens to prevent mosquitoes and other pests accessing the pipe system and are designed to meet legislative guidelines.

“Wet” systems can be converted to “dry” by installing an in-ground water diverter that not only diverts the first flush of contaminated water from the roof, but also drains water from the underground pipe system on a sloping site. (Visit www.rainharvesting.com for more information).



How To Create the Complete Rain Harvesting System.

- 1.** Check ROOF SURFACE is suitable for collecting quality rainwater.
 - 2.** Install GUTTER MESH to prevent leaves and debris from blocking gutters.
 - 3.** Fit GUTTER OUTLETS from the underside of the gutter to prevent obstruction of water flow.
 - 4.** Fit DOWNSPOUT FILTERS to stop gutters blocking. Downspout filters deflect leaves and debris and keep mosquitoes out of pipes that hold water ("wet" systems).
 - 5.** Install WATER DIVERTER/S (sometimes called "roof washers") to prevent the first flush of most contaminated rainwater from entering the tank. Fit to each downspout that supplies water to the tank, or install a larger diverter that can handle multiple downspouts, beside the tank or in-ground.
 - 6.** Ensure a TANK SCREEN is installed at tank entry point to keep mosquitoes and pests out.
 - 7.** Choose a WATER TANK, CISTERN OR RAIN BARREL. Consider annual rainfall, roof catchment area and water usage when determining its size.
 - 8.** Fit INSECT PROOF SCREENS or FLAP VALVES to the end of all pipes to the tank screen and to TANK OVERFLOW OUTLETS to keep mosquitoes and pests out and ensure tank is vented properly.
 - 9.** Utilise a TANK 'TOP UP' system (if required) to automatically 'top-up' the tank with mains water when water levels fall to a designated minimum level.
 - 10.** Select a PUMP SYSTEM (if required) to distribute water for use inside or outside the home.
 - 11.** Fit a purpose designed RAINWATER FILTER after the pump to help reduce residual sediment, color and odor.
 - 12.** WATER LEVEL MONITOR. Install a level indicator to help monitor your water usage. Wireless systems are most convenient and display a reading inside the home.
- Improve water quality and catchment efficiency
 - Reduce tank maintenance
 - Protect pumps and household appliances



Install the complete Rain Harvesting system

In addition to the Leaf Eater® range of downspout filters, Rain Harvesting has developed a complete range of rainwater products.

If you are considering purchasing a rainwater tank, cistern or barrel, we recommend installing a complete system to improve water quality and catchment efficiency, protect pumps and internal household appliances and reduce maintenance.

Please visit www.rainharvesting.com for more information.



Leaf Beater®



Leaf Eater®



Rain Catcher®

*Consider the requirements of local authorities and have a plumber complete installation where required.

Available from:

P0110/0



For product availability details in America,
please visit www.rainharvesting.com

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