9) Install the Cover

Place the cover of the Downspout Filter onto the base and cover it with at least a 1” layer of decorative gravel.

Maintenance

Your Downspout Filter should require very little maintenance. You will need to periodically clean the filter net of debris. To check the filter net, clear off any leaves or twigs that may have collected on top of the gravel and remove the Downspout Filter cover. Simply remove the net and empty. Place the filter net back inside the Downspout Filter and replace the cover.

Item #30211.102008

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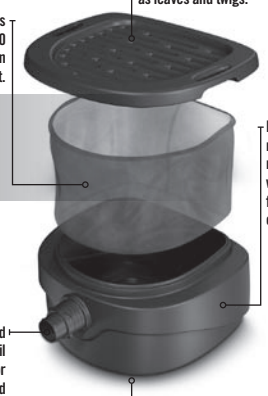
RainXchange™
Rainwater Harvest Systems

Downspout Filter

Installation Instructions & Maintainence Owner’s Manual



- **Step-by-Step Installation Instructions for the RainXchange™ Downspout Filter**
  (Item #30166)

Thank you for choosing Aquascape’s RainXchange™ Downspout Filter. It is designed as a two-stage filter. The first stage consists of a grated lid and layer of gravel (not included) that removes large debris, such as leaves, sticks, and seeds. The second stage is a 300 micron net that filters out finer particles, such as sediment composed of roofing material, dust and other debris. The water is then discharged out of the Downspout Filter where it is further filtered by Aquascape’s RainXchange™ rainwater harvest system. Multiple Downspout Filters may be used on a project.

Aquascape™

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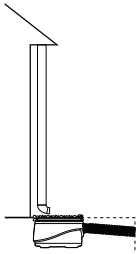
RainXchange™
Rainwater Harvest Systems

Downspout Filter

Installation Instructions & Maintainence Owners Manual

1) Mark the Location

Mark the location that you will be excavating for the Downspout Filter. Make sure that the back edge of the unit is behind your downspout outlet. Downspout filter may be located away from foundation if desired by extending the downspout.



2) Excavate the Hole

Excavate the hole 18" deep. You may need to elevate the Downspout Filter in order for the water to properly travel to the modular storage basin using gravity.

3) Add Gravel and Level

Place a 4" layer of gravel underneath the Downspout Filter and level side-to-side and front to back. The gravel will allow the small quantity of water remaining in the filter to percolate into the surrounding soil.

*Please note that the Downspout Filter unit does not come with percolation holes. If desired, drill two 1/8" holes in the bottom of the unit to allow any water remaining in the Downspout Filter after a rainfall to slowly percolate through the filter, preventing stagnant water from residing in the filter.

4) Backfill on All Sides

Backfill on all sides of the filter. Be sure to leave the outlet open so that you can connect the drainage pipe.

5) Dig the Trench

When the unit is securely installed, dig a trench from the Downspout Filter to the Modular Storage Basin. Keep the trench depth at the same level as the Downspout Filter hole and line with gravel. This will help the percolated water from the bottom of the filter travel away from the foundation. (In order for water to flow correctly from the Downspout Filter into the Modular Storage Basin, a minimum 1" downward elevation change is recommended for every 10' run of drainage tile.)

6) Install the Drainage Tile

Install 3" or 4" non-perforated drainage tile securely to the barbed outlet on the Downspout Filter and finish backfilling around the unit.

7) Run Drainage Tile to Basin

Place drainage tile over the exposed liner and geotextile material. Hide the drainage tile by using rocks and/or boulders.

8) Install the Filter Net into the Unit