

Rainbox®

Don't let the rain go down the drain! Rainwater harvesting is easy with the Rainbox® underground water tank system. The Rainbox® system comprises strong plastic modules which are wrapped in a heavy-duty waterproof liner, "CANAL®", to form an underground water storage tank. Rainwater is filtered through a special filtration pit to remove gross pollutants. An above-ground pump completes the system.

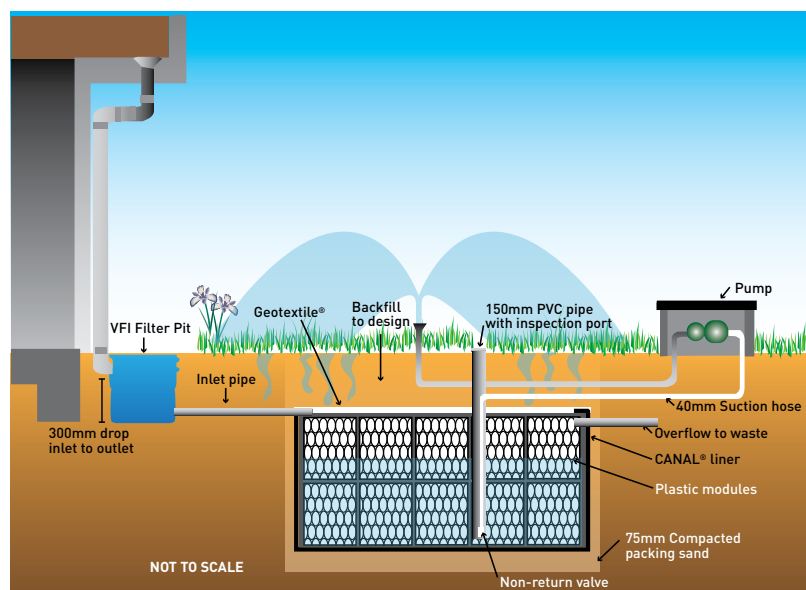


System Benefits

Simple – DIY or use one of our recommended installers. The modules are lightweight and do not require heavy lifting. Modules may be supplied flat-pack or pre-assembled.

Flexible – the modular design allows any shape and size, and is suitable for both domestic and commercial use. Rainbox® is ideal for sites with difficult access.

High Strength – suitable for use in areas subject to vehicular traffic.



Underground Tank Installation

Step 1

Excavate hole. Over-excavate minimum 100mm on each side of tank. In high water table areas place sub-surface drain to relieve hydrostatic pressure. Place leveling layer of 50-100mm of packing sand and compact.



Step 2

Place CANAL® heavy-duty liner. Take care not to tear or puncture liner*. For triple modules, maximum tank width 4.2m, to suit CANAL® 7.6m roll width.

* Carefully inspect CANAL liner for damage prior to installation.



Step 3

Place modules. CANAL® to base and sides only, place geotextile over top of tank, 100mm minimum roll overlaps.



Step 4

Backfill around tank with sand.

Note: Fit 2 no. PVC standpipes through top of tank for connection of rainwater inlet pipe and second standpipe for tank overflow. Also fit pump suction line through standpipe.

Note: Simple folded corner on CANAL liner, no welds or joins required.



Step 5

Backfill with free draining material on sides and top of tanks. Minimum top cover for pedestrian 300mm, for vehicles 500mm minimum of compacted road base.



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