



Aussie Precast Products

The Rainsafe

Water Re-use System

All Concrete in-ground/above ground Rainwater
Re-use Tanks with Pedestrian Lids.

Tanks are made to AS1546.1.1998

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The Rain Safe
Rainwater Collection and Reuse System

The Rain Safe allows collection of rainfall from the roof to be stored in ground or above ground to be reused in the household for normal non potable water use. The Rain Safe is of concrete construction made in accordance with AS 1546.1:1998. Specifications. There are two models available, **TRS 5T and TRS 10T**.

TRS 5T is a slimmer taller tank, capacity of 5000ltrs for either in ground or above ground use. **TRS 10T** has a holding capacity of 10,000ltrs. In ground/above ground

SPECIFICATIONS:

Tanks

- manufactured in concrete with pedestrian lids.
- All tanks made to AS 1546.1:1998 specifications
- Tanks available in 5,000ltrs and 10,000ltrs.
- Tank recess key for concrete anchorage.
- All tanks have 100mm minimum air gap.

Pump: Claytech Rainsub 45 which is a submersible pump that is installed inside the rainwater tank. It has a built-in constant flow switch giving you pressure as soon as you turn on the tap. .

Other components included in the Rainsafe System are:

- Non-return Valve
- Mains top up float system
- First flush kit—volume calculated to roof area
- Mains pressure flow reducer
- Constant flow switch and mains top up float system conveniently located in concrete top box
- All components installed ready to be connected by plumber and electrician.

MAINTENANCE OF THE RAINSAFE

Regular maintenance is essential to ensure consistent water quality.

Maintenance of the Rainsafe Tank and the Quality of the water supplied from the tank is the responsibility of the owner. The procedures undertaken should be primarily be to keep all components clean to minimise the risk of water contamination. Therefore the rainwater collection areas, inlet screens and first flush devices should be checked regularly for build up of rubbish.

A good maintenance guide could be:

- Collection areas should be checked and cleaned regularly.
- Inlet screens, first flush devices should be cleaned/checked regularly.
- The roof should be washed once or twice a year
- Tanks should be dipped for sludge accumulation every 2 years.
- Checks should be carried out after windy conditions for rubbish build up
- Weather conditions and your environment should be taken into consideration of all of the above suggestions.

Further information on health risks and tank maintenance can be obtained from the following sources:

Rainwater Tanks—brochure produced by NSW Health

<http://www.health.nsw.gov.au/public-health/ehb/water/rainwater.html>

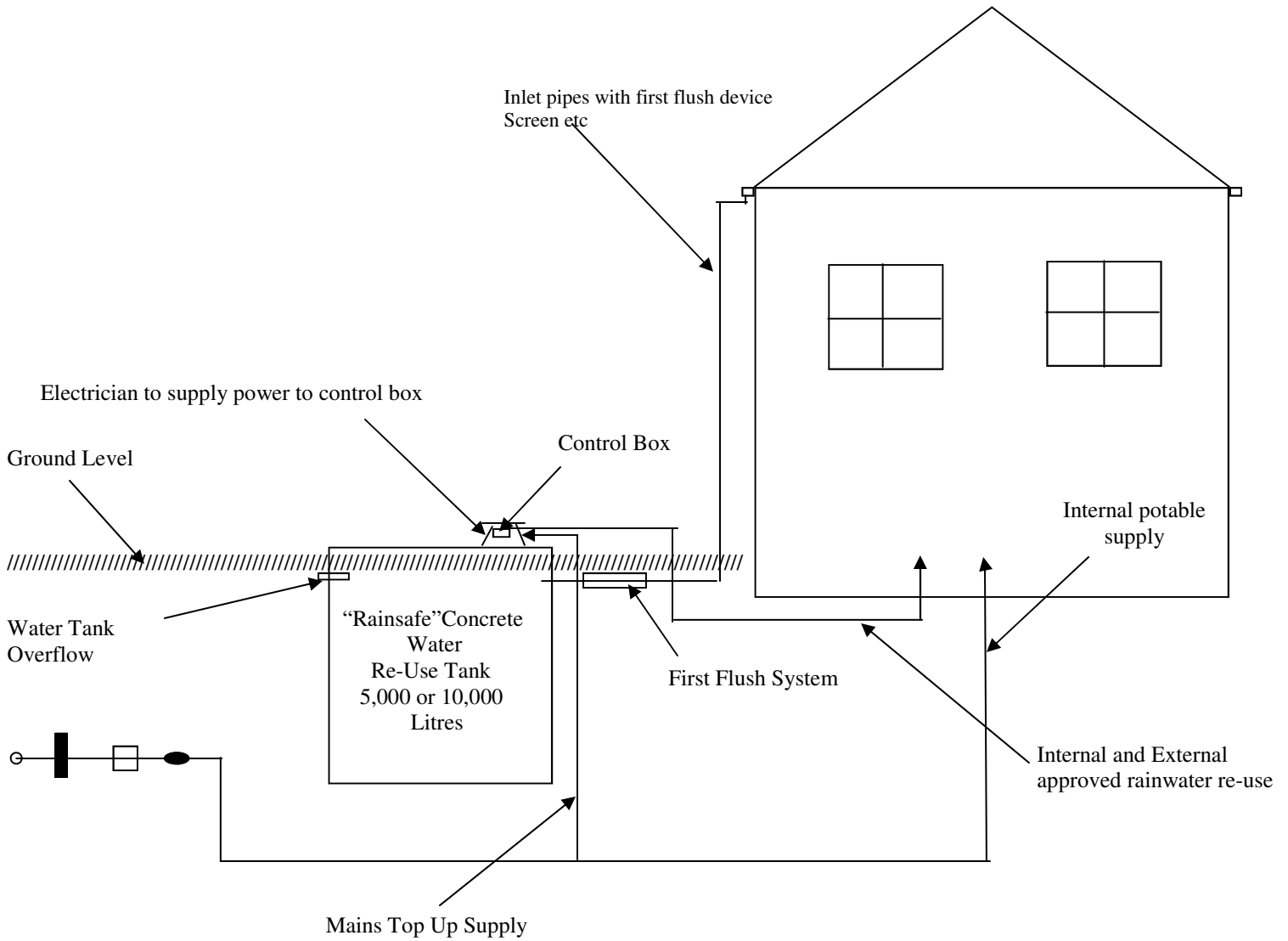
Guidance on the use of rainwater tanks, Water Series No 3, 1998, published by the National Environmental Health Forum.

<http://enhealth.nphp.gov.au/council/pubs/pdf/rainwtr.pdf>

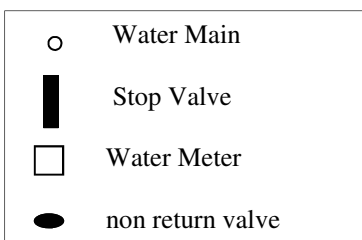


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Suggested Plumbing and Draining Layout for 'Rainsafe' Systems



N.B. All plumbing and drainage shown outside of water tank to be supplied by owner, (except first flush system kit).





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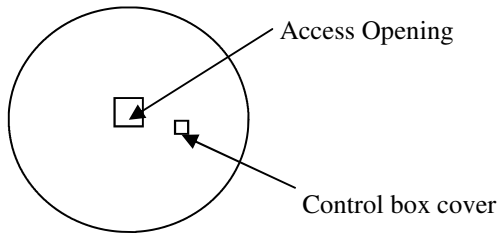
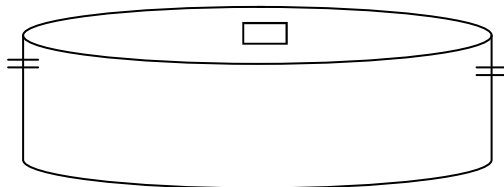
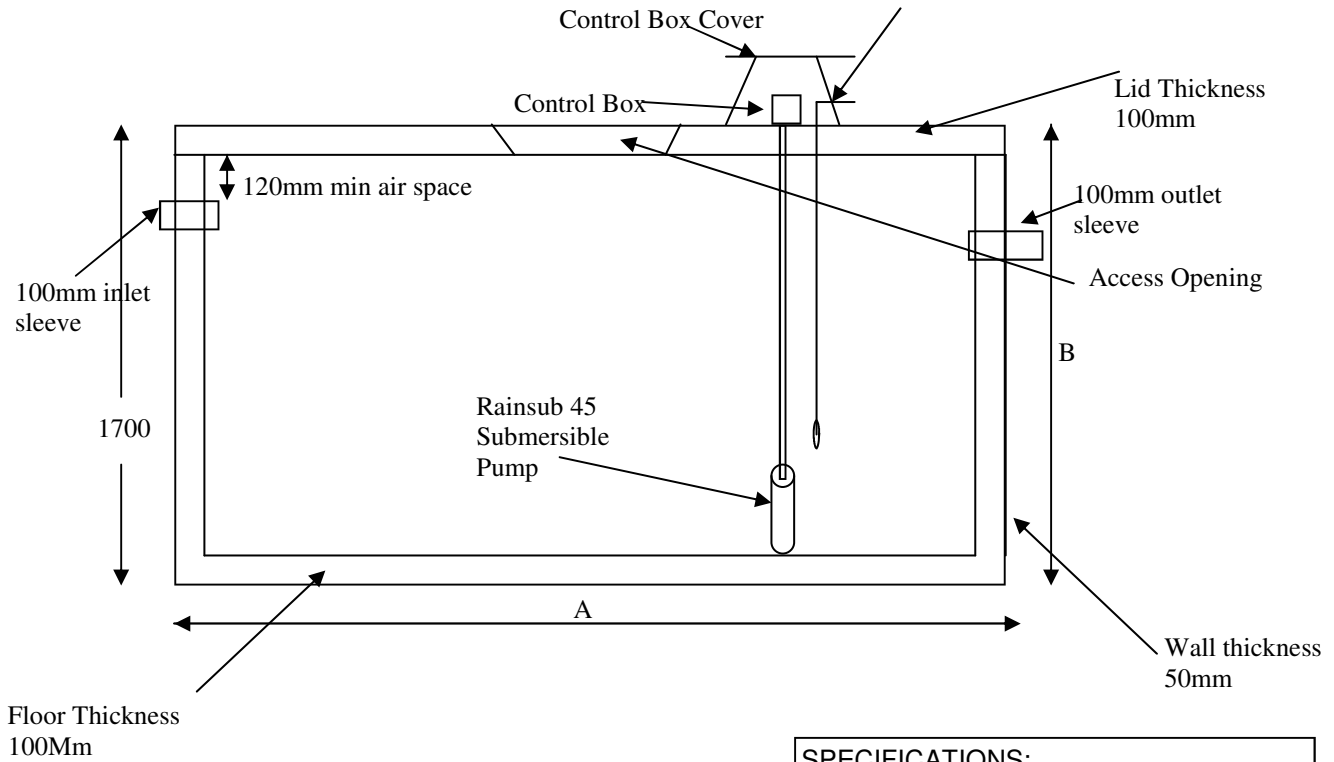
RAINSAFE

Circular Type Stormwater Retention Tank Complies with BASIX requirements

(Ready for plumber to connect to town water supply)

**5,000 litres & 10,000 litres
capacity**

Mains pressure connection with float valve
Set to max town water level including non-
Return valve and 6 litres per min flow re-
stricting valve. Set up with inlet tundish



SPECIFICATIONS:
Concrete 40mpa comp strength at 28 days, Lid and Floor reinforced with F65 Mesh or equivalent to comply with A.S. 1546 and steel fibres added to concrete

TOTAL HOLDING CAPACITY:
5,000 LITRES
10,500 LITRES

TANKS	A	B	LITRES
TRS 5S	3200	950	5,000
TRS 10T	3200	1700	10,000