

# Highland Concrete Tanks

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## User's Instruction Fact Sheet Concrete Water Tank with Integrated Self Anchoring Collar

### **Tank Overview**

Cylindrical vertical axis collection well. Manufactured by casting & vibrating steel reinforced 40mpa concrete. Product can be installed freestanding or in the ground. Wall thickness of internal taper from 45mm at top to 60mm at base with a 90mm base. Includes integrated self anchoring collar 90mm thick, total area of 1 square metre. Inlet is 110mm collar to suit 100mm sewer pipe. 80mm thick lid is reinforced with F82 mesh using 40mpa concrete with 2 x 520mm openings and is suitable for in ground application for pedestrian traffic only. 150mm thick lid is double reinforced with F82 mesh using 40mpa concrete with 2 x 570mm openings and is suitable for below ground application up to 4 tonnes load limit. Manhole centres are constructed from 45mm thick F41 steel reinforced concrete, weight approximately 30kgs and centres are self sealing by weight.

	<b>4,000 litre</b>	<b>6,000 litre</b>	<b>10,000 litre</b>
<b>Inlet Height with 80mm Lid FROM TANK BASE TO BOTTOM OF INLET</b>	920mm	1350mm	2210mm
<b>Inlet Height with 150mm Lid with flow turret FROM TANK BASE TO BOTTOM OF INLET</b>	1270mm	1700mm	2590mm
<b>Width of Integrated Self Anchoring Collar (ISAC)</b>	100mm	150mm	150mm
<b>External width INCLUDING ISAC</b>	2730mm	2830mm	2830mm
<b>Overall weight OF TANK with 80mm LID</b>	3250kg	3700kg	5000kg
<b>Overall weight OF TANK with 150mm LID</b>	4100kg	4500kg	5800kg

### **Operation & Maintenance Instructions**

Safety Information - To ensure no damage to tank and safety of occupants, manhole covers should not be removed other than by owner authorised persons.

Use multi grips to remove manhole centre lids.

Electrical wiring must be carried out by licensed electricians.

Follow your local Council requirements.

Every access point should be sealed unless in use.

If necessary use mosquito netting on downpipes & outlets.

Roof catchment & gutters should be inspected and cleared of leaves & debris every 3 or 4 months.

All screens & filters should be cleaned regularly.

Tanks should be examined for accumulation of sludge every 2 to 3 years. If sludge is present use vacuum pump truck to empty and clean tank.

### **Flow Through Filter**

Plumber to rotate or remove 100mm cover pipe prior to use.

Water flows into tank through 3mm stainless steel gauze filter, keeping out large materials e.g. leaves, sticks, large insects, etc.

When tank fills water overflows to storm easement, flushing out filter.