



chemapan c.c.

Chemapan's potable water treatment plant in a 3.0 metre container.

Chemapan developed a medium size potable water plant that can convert raw river or dam water into World health organisation standard drinking water at up to 6 cubic meters (6000 litres) per hour.

The Aquapak 3.0 can produce up to 72000 litres of drinking water a day from a raw water source that has less than 100 NTU turbidity and total dissolved solids of less than 500 ppm.

The unit can supply sufficient water for a community of up to 700 people at 100 litres/person/day.

The unit has a flocculant injection before the dual media filter to help the filter to "see" the dirt. This dirt is filtered and clean water is produced out the other side.

A secondary injection of chlorine sterilises the water. Chlorine kills bacteria, viruses and fungi in the water, rendering it safe to drink.



*Aquapak 3.0: External dimensions of container are;
H- 2440 mm, W - 3000 mm, L- 2350 mm.*

Without water there is no life!

Advantages of the Aquapak 3.0 m Container plant.

- * Low cost per 1000 l of water produced.
- * Filter is backwashable and media does not need replacement for many years.
- * Simple to operate.
- * Suitable for 400 - 4000 people.
- * Low capital cost.
- * Can pump clean water into a tank at a height of up to 8m above the Aquapak 1.5m.
- * Can transfer clean water to tankers from clean water tank.

Details:

- * Filter feed pump is a 1.1 kW 220 v 50 Hz single phase submersible unit.
- * Twin head metering pump can feed up to 3 l/hr per head; and is fully adjustable on both heads.
- * Filter Media is 800mm deep. The bottom layer consists of 400mm by 0.5mm to 0.69mm Silica sand. The top layer of 400mm by 0.8mm to 1.5mm Anthracite.

A clear sightglass in the discharge side of the system helps the operator to visually see the clarity of the final water before feeding into the clean water storage tank.

A small water test kit is also supplied for periodic testing of the residual chlorine level in the final clean water.

A small test kit is supplied with each unit to check pH and chlorine levels.

	AquaPak 3.0	AquaPak 3.0 With Generator.	AquaPak 3.0 with Activated carbon.
Daily Flowrate	72000 litres	72000 Litres	48000 litres
No. of people @			
20 l/p/day	3600 people	3600 people	2400 people
50 l/p/day	1440 people	1440 people	960 people
100 l/p/day	720 people	720 people	480 people

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