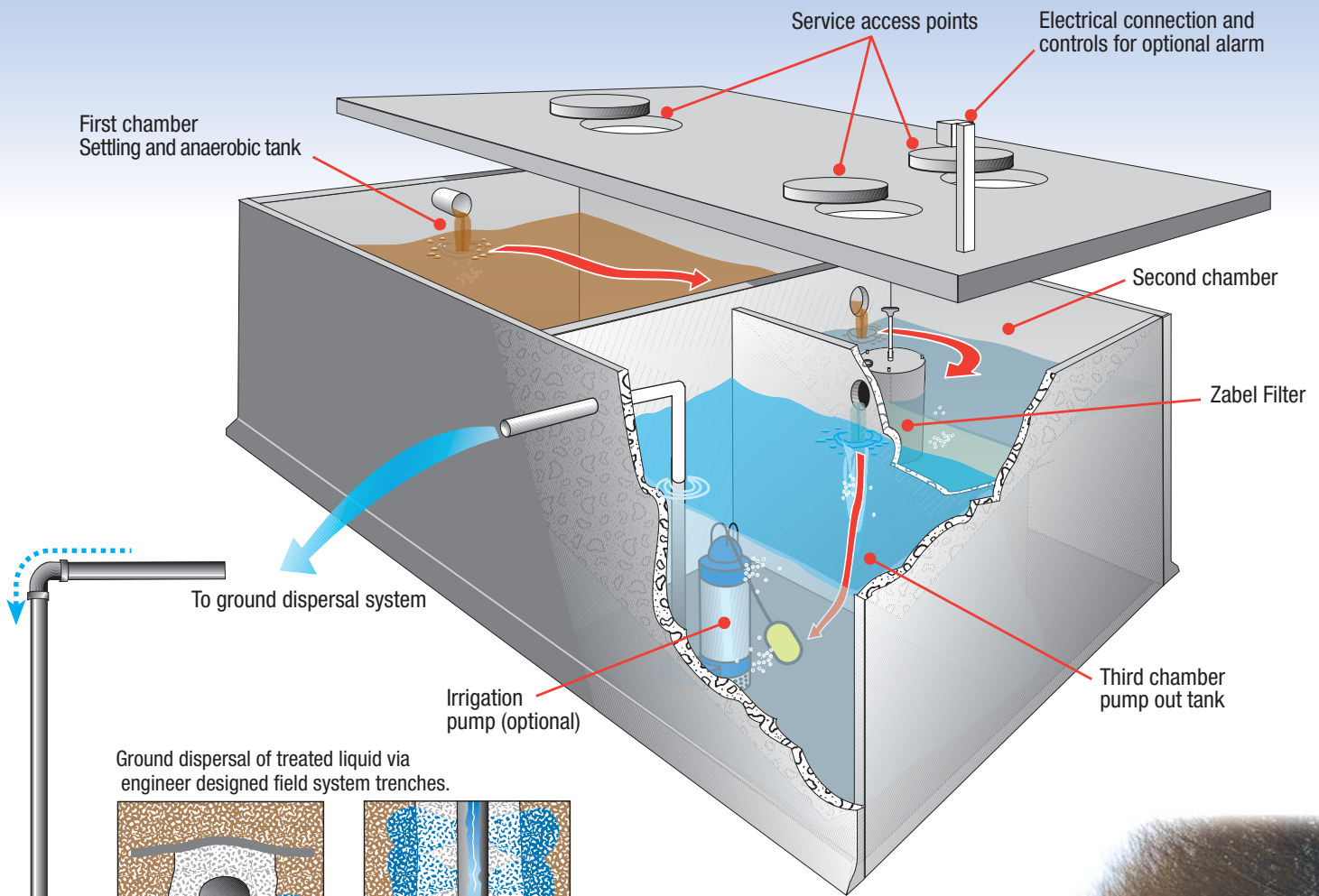


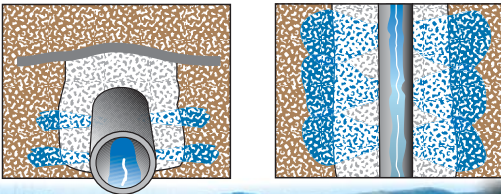
# THE CLEARWATER Z54

## SEPTIC TANK and TREATMENT SYSTEM

### For domestic and commercial applications



Ground dispersal of treated liquid via engineer designed field system trenches.



# THE CLEARWATER Z54 SEPTIC TANK and TREATMENT SYSTEM

## The treatment process

The Clearwater Z54 method for treating sewage and sullage is based on the tried and tested principle of separating solids from liquids as a first stage to the process.

Initially the wastewater enters a primary settling chamber where heavy solids undergo anaerobic digestion, the liquid overflow from this primary chamber passes into the second treatment chamber.

The second treatment chamber allows further anaerobic breakdown to occur. The resulting liquid then flows upwards through the Zabel filter and into the pump chamber.

The pump is controlled by a float switch allowing final dosing of the treated sewage to occur directly in the disposal system.

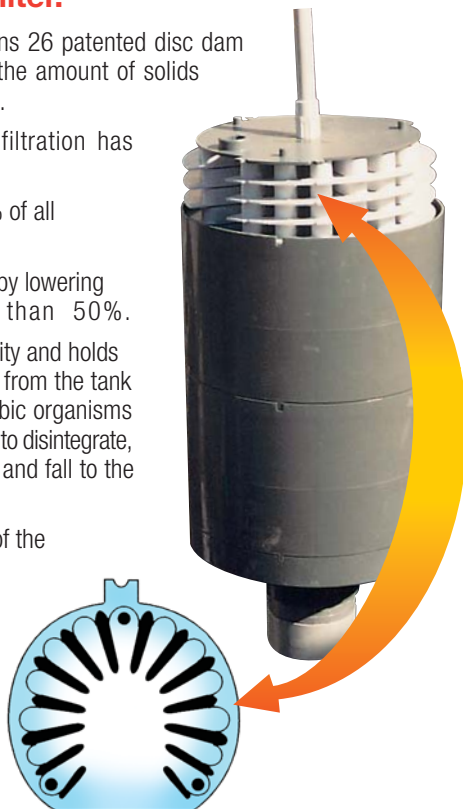
## The heart of the Z54 system is the ZABEL filter.

The Zabel filter contains 26 patented disc dam filter plates that dam the amount of solids reaching the field drain.

No other method of filtration has proved so effective.

- Can filter up to 90% of all suspended solids.
- Treats waste water by lowering BODs by more than 50%.
- Slows internal velocity and holds nutrients and solids from the tank exit through anaerobic organisms causing the particles to disintegrate, lose their buoyancy and fall to the bottom of the tank.

Right: A cross section of the individual filter plate. 26 of these are in each Zabel filter unit.



## Benefits of the Z54 System

- Improves effluent quality
- One chamber - one hole - one connection
- Prevents clogged drainage systems
- Protects the environment
- The simplest and least expensive system to operate
- Fewer working parts, low maintenance
- Easy to maintain
- Approved by local councils
- Durable pre-cast concrete, no plastic or fibreglass to crack or disintegrate.

## Applications

- Residential, holiday home and commercial septic systems
- As a storage tank for various uses, eg.

Water storage

Grease traps

Oil and grit interceptors

## Technical specifications

- Primary Pre-treatment chamber (usable) 3560 litres
- Secondary Pre-treatment chamber (usable) 1280 litres
- Pumpwell 700 litres
- Total operating capacity 5440 litres
- Total holding capacity 7500 litres
- Control panel (optional) - including audio alarm and hi-level float
- Tank construction - Manufactured in ultra strong durable 35 mpa concrete

## Tank Dimensions

- Overall length 3 metres
- Overall width 2 metres
- Overall height 1,55 metres
- Weight 6.5 Tonnes
- Invert level (less extension turrets) 1275 mm

Consistent with our policy of product improvement, we reserve the right to alter specifications without notice.

## Certifications

Manufactured to AUS/NZS 1547.2000

Your authorised local distributor



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