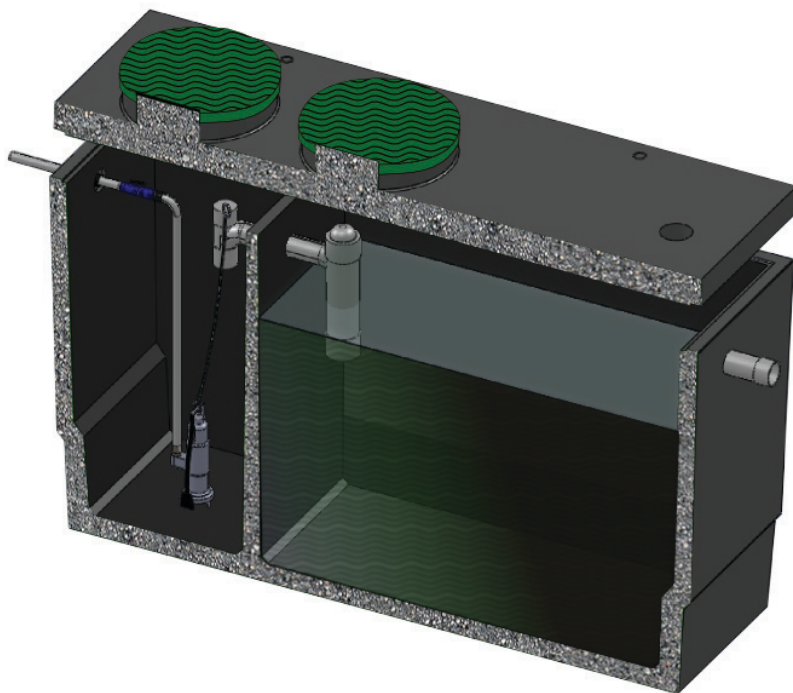


Aquate STEP Systems



Aquate STEP Systems

Applications

STEP sewage reticulation systems are ideal for small to large communities where conventional gravity systems are difficult to install or cost prohibitive.

Features

- ▶ High quality pump
- ▶ Easy to install
- ▶ Shallow trenching
- ▶ Small diameter pipes
- ▶ No infiltration
- ▶ Adaptable to undulating terrain
- ▶ On-site storage capacity

Aquate Septic Tank Effluent Pump (STEP) Systems are ideal for rural areas where conventional gravity systems are impractical or cost prohibitive

What system do you need?

The Aquate STEP system incorporates a primary wastewater treatment tank and biological filter followed by a pump station that transfers the partially treated wastewater to a centralised wastewater treatment plant. Utilising a multi-stage high head pump and small diameter pipes, the STEP System

can transport the wastewater long distances and achieve large vertical lifts. Aquate offer either concrete or polypropylene tanks STEP systems in single or multiple tank configurations. The best system for a site will be dependant on the site topography and ground conditions.

Features and Benefits

- ▶ **Flexible design**
STEP systems are designed to suit the layout and topography of a site
- ▶ **Easy installation**
The systems are easily installed by certified drainlayers
- ▶ **Watertight**
Eliminates infiltration into the sewer network
- ▶ **High head pump**
The multistage pump can transfer the wastewater long distances and achieve large vertical lifts
- ▶ **Small diameter pipes**
Laid in shallow trenches that follow the landscape to eliminate the need for deep excavations.
- ▶ **High quality tanks**
Concrete or polypropylene tanks designed to meet all New Zealand standards

Models

Aquate have STEP systems available in both concrete and polypropylene with a variety of configurations:

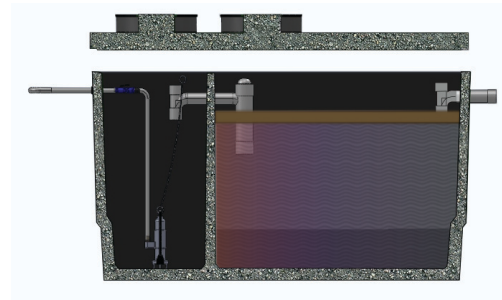
- ▶ **Concrete**
Two stage, high quality 4500 litre concrete tank
- ▶ **Polyethylene**
Two stage lightweight 4800 litre polypropylene tank
- ▶ **Polyethylene Multi**
A two tank system utilising a 3700 litre primary PE tank followed by a 1100 litre polypropylene pump chamber
- ▶ **STEP Retro system**
A single 1100 litre polypropylene pump chamber can be installed after an existing septic tank if the tank is in acceptable condition

Control Panels

All Aquate STEP Systems come complete with an electrical controller that can be located on the pump chamber or installed at a nearby dwelling.

- ▶ Designed for outside use in harsh NZ weather
- ▶ Lockable IP 65 rated enclosure
- ▶ Visual and audible alarm system
- ▶ High level alarm
- ▶ Over pressure protection
- ▶ Pump motor protection against variable electricity supply
- ▶ Pump failure alarm
- ▶ Records performance data of the system

Additional features including telemetry can be added if required.



Concrete STEP System



PE Single tank, STEP System

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