

Look after the land
where the whanau stand




DEVAN

LOOK AFTER THE LAND WHERE THE WHANAU STAND

Water is the source of life. It is how things all started and it is what keeps us going.

In the evolution of Aotearoa's majestic Maori meeting places and communal lands the basic need for a clean water supply and suitable disposal of wastewater has either been outgrown or has exceeded its lifetime.

Devan is a company that has specialised in the manufacture of water and wastewater products for over 20 years. It's our core business. Whether it is harvesting the precious rain, or the treatment and environmentally friendly disposal of your wastewater from the kitchen and ablutions, Devan will work with your organisation to provide the right solution.

Like you, Devan's roots formed on the land of this fine nation we share and the company remains totally New Zealand owned and operated to this day.

There are currently grants available to marae and iwi organisations for the upgrade of water and wastewater systems. Contact Te Puni Kokiri or apply to the Lotteries Commission for more details.



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WATER STORAGE SOLUTIONS

In locations where water is not readily available (i.e. rural/coastal) it needs to be harvested and stored for future use. This water is essential and is used for drinking, cooking, cleaning and keeping gardens lush and bountiful.

As this water is used in many areas where it is ingested by your whanau it is crucial that the water be of a high standard. It is true that some of our elders, and in fact some of the younger generation, are in a situation where they are required to drink water of a lower standard and nothing untoward comes of it. This is because they have built up a tolerance to the organic material in the water over time. The problem arises where people who normally have access to high quality water are required to consume poor quality water and their body cannot cope with this and they fall ill, and in some cases very ill. This can be compared to people of India coping fine with their low quality water, however someone from Aotearoa visiting India is commonly struck down terribly ill when they have some.

Once a quality water harvesting system is installed it is completely trouble free with the exception of changing or cleaning filters periodically. You can have faith in the water used by your whanau being of an extremely high quality and perfectly safe for consumption, not to mention that you can increase capacity to cope with the inevitable large numbers that marae need to cater for at times.

30,000L

CAPACITY: 30,000 Litres 6,500 gallons	WEIGHT: 475 kg
WIDTH: 3.7 metres	OUTLET: 2 x 50 mm (2 inch) BSP Fittings
HEIGHT: 3.1 metres	

25,000L

CAPACITY: 25,000 Litres 5,500 gallons	WEIGHT: 375 kg
WIDTH: 3.5 metres	OUTLET: 2 x 50 mm (2 inch) BSP Fittings
HEIGHT: 3.0 metres	


15,000L **NORTH ISLAND ONLY**

CAPACITY: 15,000 Litres 3,300 gallons	WEIGHT: 250 kg
WIDTH: 3.5 metres	OUTLET: 2 x 50 mm (2 inch) BSP Fittings
HEIGHT: 2.0 metres	

10,000L **NORTH ISLAND ONLY**

CAPACITY: 10,000 Litres 2,200 gallons	WEIGHT: 225 kg
WIDTH: 2.55 metres	OUTLET: 2 x 50 mm (2 inch) BSP Fittings
HEIGHT: 2.6 metres	

DEVAN GREASE TRAP



15,000L **SOUTH ISLAND ONLY**

CAPACITY: 15,000 Litres
3,300 gallons
WIDTH: 2.95 metres
HEIGHT: 2.6 metres

WEIGHT: 275 kg
OUTLET: 2 x 50 mm (2 inch) BSP Fittings



5,500L

CAPACITY: 5,500 Litres
1,200 gallons
WIDTH: 1.9 metres
HEIGHT: 2.3 metres

WEIGHT: 112.5 kg
OUTLET: 1 x 50 mm (2 inch) BSP Fittings



Commercial kitchens and restaurants are required to trap fats and oils from entering the septic tank or sewer system as they impede the ability of the system to do its job properly. Devan have developed a product line that accommodates this need with capacities ranging from 750 litres to 3600 litres.

Made of a robust underground grade of polyethylene the Devan Grease Trap is lightweight and easy to install without the need for additional machinery to lower the grease trap into place.

Technical Specifications GT750
Capacity: 750 litres
Weight: 45 kg
Length: 1350 mm
Height: 1190 mm
Width: 900 mm

Technical Specifications GT1500
Capacity: 1500 litres
Weight: 45 kg x 2 (90 kg)
Length: 1350 mm
Height: 1190 mm
Width: 900 mm x 2 (1800 mm)

Technical Specifications GT3600
Capacity: 3600 litres
Weight: 250 kg
Length: 2500 mm
Height: 1850 mm
Width: 1650 mm

DEVAN STORM WATER DETENTION/RETENTION



In some regions the local authorities require that residential or commercial buildings detain storm water whereby the rainwater run-off from the property is interrupted prior to reaching the local storm water infrastructure. This is done by storm water being first received by an underground detention tank which only allows the water to be released into the storm water system via a restricted diameter outlet, therefore diminishing the need for local infrastructure to cope with sudden overloading or assisting soak holes where they cannot keep up with the necessary storm water dispersal. The same vessel can be used for retaining rainwater underground for use in watering gardens, washing cars or even flushing the toilet.

The Devan storm water detention tank meets local authority requirements, is lightweight and easy to install.

Technical Specifications DW2100D
Capacity: 2100 litres
Weight: 145 kg
Length: 1650 mm
Height: 1850 mm
Width: 1650 mm

Technical Specifications DW3600D
Capacity: 3600 litres
Weight: 245 kg
Length: 2500 mm
Height: 1850 mm
Width: 1650 mm

DEVAN SEPTIC TANK RANGE



In many situations the use of a septic tank is no longer an option and your local council will require that you install a waste treatment system (see following page). Where your application allows the installation of a septic tank system, Devan provide a wide range of septic tank options to meet the various loading requirements of marae sites and other iwi organisations that cater for large groups or small groups.

In recent years Devan has provided custom solutions to various marae sites around the country. Solutions often require a speciality approach to accommodate the unique nature of these locations such as the installation sitting static for a period of time and then having extreme loading situations where there

are hui's, tangi's or other events that see a large number of visitors to the site.

When developing the septic tank system that Devan manufacture we worked with specifiers, end users, councils and installers to make sure we got it right. The end result was an extremely robust product range that is compliant with Australia and New Zealand septic tank standards (AS/NZS 1546:1:2008) and is FEA tested.

The high strength yet lightweight Devan Septic Tank range is cost effective, easily transported, simple to install and carries the Devan 15 year manufacturers warranty.

The modular nature of the Devan Septic

Tank range means the system is scalable to meet most wastewater disposal needs. An application with up to three bedrooms or offices requires storage of at least 3000 litres, which means the single vessel DW3600F will meet this requirement. Storage requirements increase as the number of potential occupants in a building increase and Devan has a solution to suit any eventual requirement for your wastewater needs.

The Devan Septic Tank range is available in capacities ranging from 2100 litres to 7200 litres with larger customised solutions in commercial or unique applications. Talk to your local Devan agent to find out about how we can bundle together an appropriate and trouble free solution for your iwi.

DW3600F Specifications

Capacity:	3600 litres
Weight:	245 kg
Length:	2500 mm
Height:	2170 mm
Width:	1650 mm

DW4200F Specifications

Capacity:	4200 litres
Weight:	290 kg
Length:	3300 mm
Height:	2170 mm
Width:	1650 mm

DW5700F Specifications

Capacity:	5700 litres
Weight:	390 kg
Length:	4150 mm
Height:	2170 mm
Width:	1650 mm

DW7200F Specifications

Capacity:	7200 litres
Weight:	490 kg
Length:	5000 mm
Height:	2170 mm
Width:	1650 mm

DEVAN ADVANCED WASTEWATER TREATMENT SYSTEM



When disposing of wastewater from a whare, marae, iwi housing block or any other domestic or commercial application, a Devan wastewater treatment system ensures your wastewater is safe to release into the environment.

As many marae complex are near waterways, have food growing and have kitchens and other hygiene critical facilities nearby, it is important that ground water quality is kept pristine as to not create an unhealthy environment that so many enjoy.

A Devan wastewater treatment system treats all the wastewater from a site (this includes

water from food preparation areas, ablutions as well as storm water in some situations) to a high level which means the system discharges a clear and odourless liquid into your lawn or non edible garden areas.

As our land becomes built up and farming intensity continues to increase keeping the land healthy becomes more of a challenge. This is not just an issue to be dealt with by local and central government agencies, this is an issue that we all play a part in and equally we can be a part of the solution.

If your wastewater is not being managed

properly and the outfall is soaking away into the ground, this will be affecting water springs and coastal areas as well as they ground water your vegetables use to grow. Kaimoana enjoy the rich nutrient from this type of outfall so they will not disappear , but they will make you sick.

Just like water harvesting systems, a wastewater treatment system is relatively hassle free, only requiring a couple of services per year.

DW9000 Specifications

Weight:	565 kg
Height:	2170 mm
Diameter:	1650 mm
Overall Length:	6200 mm
Primary Chamber:	3600 litres
Aeration Chamber	2100 litres
Clarification Chamber:	2100 litres
Normal Operating Capacity:	6220 litres
Emergency Storage Capacity:	1580 litres

DW9000L Specifications

Weight:	710 kg
Height:	2170 mm
Diameter:	1650 mm
Overall Length:	8050 mm
Primary Chambers:	7500 litres
Aeration Chamber	2100 litres
Clarification Chamber:	2100 litres
Normal Operating Capacity:	7870 litres
Emergency Storage Capacity:	2030 litres

DW4200 Retrofit Specifications

Weight:	320 kg
Height:	2170 mm
Diameter:	1650 mm
Overall Length:	3500 mm
Aeration Chamber	2100 litres
Clarification Chamber:	2100 litres
Normal Operating Capacity:	3220 litres
Emergency Storage Capacity:	980 litres

NB: volumes and dimensions exclude existing septic which acts as system primary chamber.

Local Devan Agent



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