MASKAM®
WATER

SUSTAINABLE WATER SOLUTIONS THROUGH INNOVATION

Why choose Maskam Water®

At Maskam Water we pride ourselves in offering sustainable water solutions to our customers. We don't sell products for the sake of selling products. Each product is carefully selected to mirror our values of sustainable living.

To offer the best solutions for our customers we always do our best to understand their needs. Once that is understood, we will put together a package that will fulfil those needs, taking into account the fine balance between capital expenditure and the operational cost over several years, and in some cases over several decades.

Our aim is to not focus on the purchase price only, but on a solution that is sustainable from a maintenance and monetary point of view for years to come.

To achieve this goal, we hand-picked international manufacturers whom we partner with, we have a wide range of in-house designed products and we are continually busy with R&D to improve on the offerings we have. In a similar fashion our international suppliers are also constantly busy with R&D and use the feedback we give them to improve their offerings to the market.

To ensure our customers get what they pay for, each product is tested before leaving our factory. When you receive a Maskam Water® product, you can rest assured that it was tested and performed to design specifications. The same applies to most of our international suppliers. Most of them also test EACH product before leaving the factory. No batch testing, no random testing, each product is tested to ensure you get the quality you pay for. And in some cases, like UV lamps, we retest them at our warehouse before dispatch, to ensure that there is no transport-related damage.

All the products in our range are designed to have minimal replacement parts and requires very little maintenance, that way ensuring that the solutions we offer will not break the bank in operating cost.

Sustainability is not only in the action, i.e. renewable energy, water reuse, etc. Sustainability is also in the design and quality of the solution, i.e. low energy consumption, low maintenance, repairable or refurbishable products and a system designed to last for decades, not years.

When you buy any solution from Maskam Water®, be assured that we have gone to great length to ensure that the solution we offer is the best solution for your needs.

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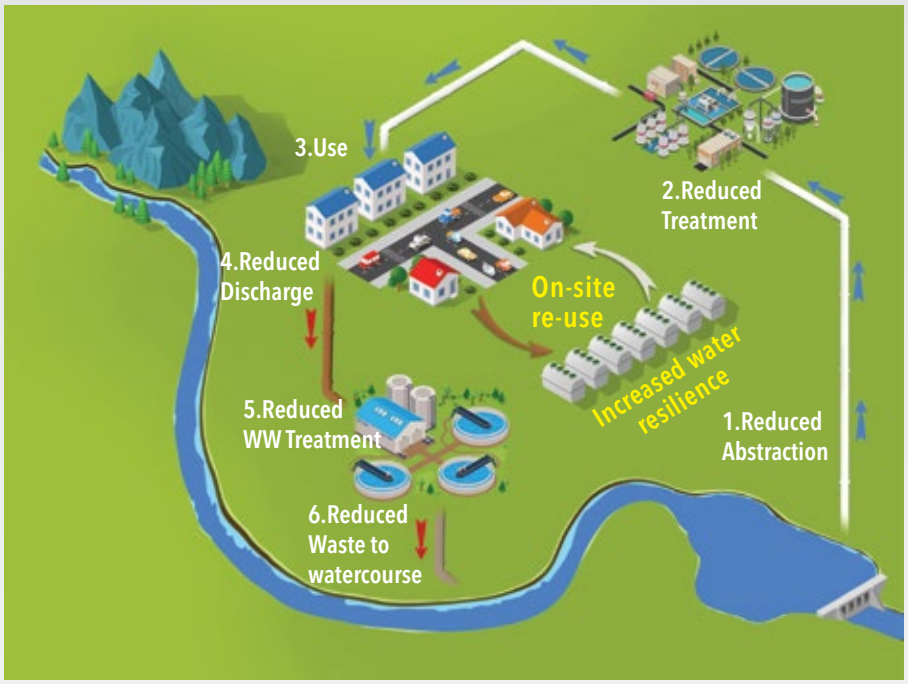
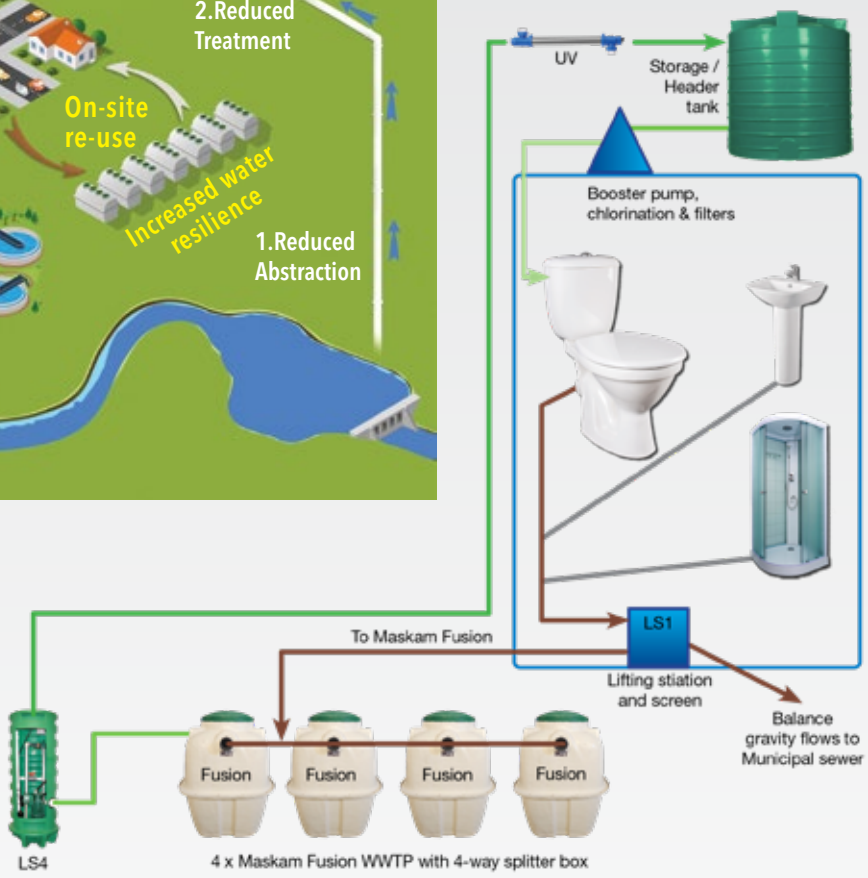
What is WESS?

WESS is the acronym for Water Efficient Sanitation Solutions. This term is used to describe on-site wastewater solutions where the wastewater is treated on-site and the treated effluent is re-used. By re-using treated effluent on-site, the demand for potable / municipal water is reduced, the carbon footprint for water use is reduced and water security is increased.

The sustainable approach to water use and wastewater discharge...



Typical layout for a WESS system



CASE STUDY

The Department of Environmental Affairs and Development Planning – Cape Town

Final grade: Installed within the footprint of the building, in the City CBD. Saves 50% potable water.

Treated effluent used for flushing of toilets.

FUSION®
Wastewater Treatment Plant

The **Maskam Fusion®** is a perfect example of a **WESS system**, with Fusion® being one of a very few solutions that is designed to work equally well in the most remote site as it does in the city centre, from formal communities to informal settlements and from domestic to commercial applications. What makes Fusion® even more attractive as a WESS solution is the low power consumption, low maintenance, ease of operation and the fact that it can be installed in close proximity to the building.

Why re-using wastewater on-site makes sense:

- Reduced potable water demand increase water security for all

CASE STUDIES

National Stainless Steel – Kempton Park

Treated effluent used for water feature and irrigation.

Barloworld

Barloworld Caterpillar – Maputo

Installed under walkway. Treated effluent used for garden irrigation.

- Cost saving – treating wastewater on-site for re-use cost much less than buying municipal water and paying for sewage charges

Oudtshoorn Municipality Cango Caves, Heritage Site

Cango Caves saves 3.5 million litres of water per year.

Treated effluent used for irrigating the sports fields.

- Increased water resilience on-site by re-using treated effluent for non-drinking purposes, i.e. Toilet flushing and irrigation

American International School – Maputo

Treated effluent used for irrigating the sports fields.

CASE STUDIES

- Reduced pollution surface water and ground water

CASE STUDY

West Coast District Municipality Regional Landfill site – Vredendal/ Vanrhynsdorp

Wastewater from the site office and workshop is treated before discharged .

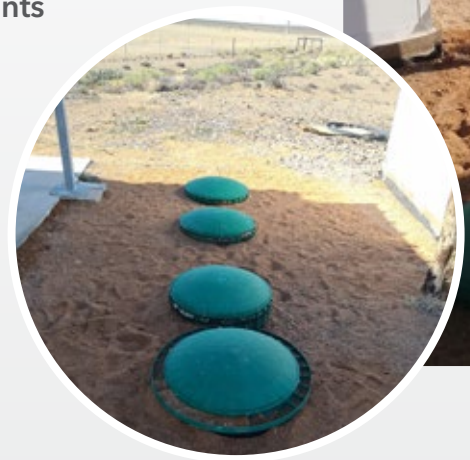
- Lower carbon footprint – not conveying or transporting water or sewage over long distance

CASE STUDY

Various Renewable Energy Sites across South Africa

Wind farms & Solar Plants

- Low maintenance
- Quality effluent
- Easy to maintain
- Low power consumption



- Increased ESG rating

CASE STUDY

Department of Public Works/ Education

Oyster Bay – Eastern Cape

Treated effluent used for irrigating vegetable garden.

- Increased SDG rating

CASE STUDY

Seringkop Early childhood development centre

- Speaks directly to new Green Building guidelines

Andersson's At Ongava – Namibia

Fusions installed at an ecotourism resort.

Ongava Group has 9 Fusions in different locations.

CASE STUDIES

Taleni Africa Sossusvlei Lodge – Namib Desert

(2 Fusions)

Treated effluent used for the planting of trees to reduce desertification.

Taleni Africa has 8 Fusions in different locations.

DID YOU KNOW?

Fusion® has been around internationally for decades and in South Africa since 2010.

More than 450 Fusions have been installed in 10 African countries, Mauritius, UAE, Cayman Islands, Bahamas and Mexico.

Fusion® is now locally manufactured, in Vanrhynsdorp, Western Cape.

Installed and maintained by local contractors.

On-site wastewater treatment and re-use for non-drinking purposes, increase the water resilience of your property, while preserving potable water for drinking purposes.

Fusion® Wastewater Treatment Plant Is The Best Option For Your Development

- No space is lost to accommodate the Wastewater Treatment Plant. Fusion® installations are sub-surface and can thus be installed in POS. Installing in parking areas is possible provided a weight-bearing slab is cast over the plant
- Aesthetically pleasing. Being underground, the Fusions are hardly visible
- Treated effluent can be used for garden irrigation, cleaning of hard landscapes and toilet flushing
- The re-use of treated wastewater for irrigation and toilet flushing can also prolong the lifespan of rainwater tanks.

CASE STUDY

Cape Nature Vrolijkheid Nature Reserve

Treated effluent is used for garden irrigation and toilet flushing.

Stretching your cash flow…

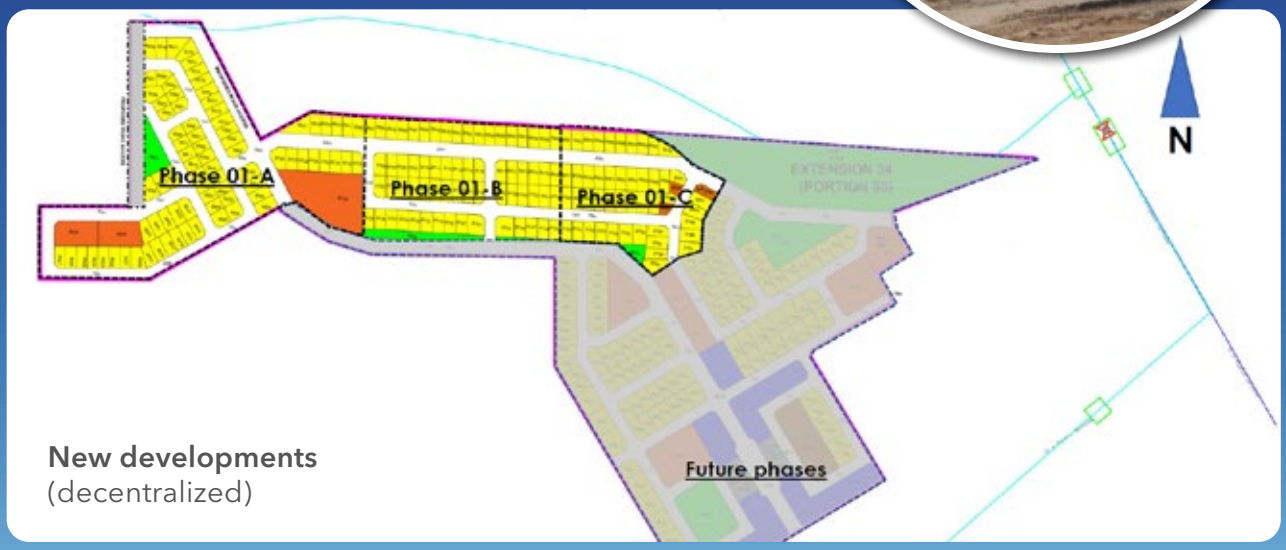
- Fusion® allows for **modular installation and can grow with your development**. i.e. you only need one ZF4000 Fusion® to occupy the first 20 houses, and additional units can be installed as more houses are built.
- For larger developments it is possible to decentralize within the development, i.e. the entire plant installation need not be in one spot. This can bring significant savings in terms of internal infrastructure.

Katima Mulilo – Namibia

CASE STUDY

Decentralized modular installation done in six phases.

Each phase will get its own set of treatment plants, thus omitting long pipe runs even within the development.



New developments (decentralized)

Equal flow splitter (can accommodate 6 plants)

Final grade

DID YOU KNOW?

Maskam Fusion® has the longest service intervals of any small plant on the market.

Maintenance is limited to only one hour per Fusion® every six months. There are no regular check-ups or visits to the plant.

Maskam Fusion® is factory-built and drop-in on site, therefore it is very easy to install, retrofit or expand as needed.

The energy consumption of Fusion® is the lowest in its class, with the ZF4000 using only 0,55kW per kl of wastewater treated.

It is easy to run Fusion® off off renewable energy.

The Maskam Fusion® works equally well in the most remote site and in the city. There is no foul odour during normal operation.

Renishaw 280 hectare development – KZN

CASE STUDY

The hills and valleys of KZN makes it very difficult to get sewage to one central point.

The Maskam Fusion® is perfect for accommodating the site conditions and the phased development where the development will take place over 10+ years.

Fusion® needs minimal maintenance...

- Only the pre-screen needs periodic cleaning
- No daily, weekly or monthly check-ups!
- The Early Warning System will notify the user if there is any mechanical failure or high water level conditions within the unit
- Remote monitoring optional, i.e. BMS or GSM
- Service interval: Once every six months only!
- SLA available from a Maskam Water® approved installer near you
- Average period of desludging is every 4 years only!
- Only one moving part, being the air pump
- Diaphragm of the air pump is the only replacement part, to be replaced every 4 years.

Fusion® has the lowest running cost...

The total running cost for the ZF4000 is less than R5 per kl**.

This includes:

- Power consumption
- Services
- Service parts
- UV lamp replacement
- Desludging

** Cost of power: R3/kWh

Irrigating with treated effluent from the Fusion® is much cheaper than municipal water.

Fusion® is easy to install

- No metal in the bioreactor
- Factory-built, drop-in on site
- No concrete structures required
- All materials used are non-corrosive in the septic environment.
- Backfill is done with in situ soil. No need to stabilise the backfill with cement, which lowers the installation costs and makes it more eco-friendly

Private residence – Vanrhynsdorp

CASE STUDY

Timeline of Maskam Fusion® installation – all done in one day, using unskilled labour.

08:38 – Fusion® delivered and preparation for placement underway.

09:58 – Fusion® in place and inlet pipe connected.

12:38 – Filled with water and backfill underway

13:30 – Fusion electrical panel (with EWS) and air pump installed.

14:00 – Final finishes

15:05 – Installation complete. Maskam Fusion® fully operational

The Maskam Fusion® WWTP is not only designed to reduce your water footprint and increase water resilience, but also to be long lasting, with ZERO WASTE in mind.

Benefits of modular design

Modular design reduces environmental risk

The modular design for larger applications significantly reduces environmental risk.

If, e.g. 10 x Fusions are installed in one area and there is mechanical failure on one, only 10% of the total volume may be compromised. The other plants will operate as usual and still deliver good quality effluent. Given that the only moving part on a Fusion® is the air pump, downtime in the event of mechanical failure should never be more than a few hours at most, since it only takes half an hour to exchange the air pump. That in itself significantly reduces environmental risk.

Easy expansion and relocation

The modular design allows for expansions at any stage. Given that each module is a fully functional wastewater treatment plant in its own right, adding or removing modules to add or reduce daily treatment volume is easy.

Easy to relocate should the need arise. Simply:

- Disconnect the pipes,
- Pump out the water,
- Excavate
- Lift the unit and move to the new location.

Curro School – Bloemfontein

Treated effluent used for irrigating the sports fields.

CASE STUDY

Original Curro 2018 installation for 600 learners.

2023 - 50% capacity added without changing the initial infrastructure.

Paarl Junction mixed use development, Paarl

Two existing Fusions relocated to make space for another 17. The original two were installed in 2017. When the site dynamics changed, the new waste flow required 19 x ZF 4000 Fusions. In 2025 the original two could be used in the new layout and thus saved the customer money by not having to purchase a completely new wastewater treatment plant.

CASE STUDY

Original 2017, Maskam Fusions®

Original 2017, installation of 2 x Maskam Fusions®

2025 - Existing Maskam Fusions® used in new layout

2025 Plant room

Fusion® is Identifiable

- Each Fusion® is serial-numbered and materials used during manufacturing can be traced back if needed

Fusion® has Longevity – Easy to relocate and Refurbish

- Being a single tank construction, it is easy to relocate, should the need arise

Botswana Delta

CASE STUDY

Relocating of Fusions after decades of service, with no part of the plant wasted.

Two Fusions® were installed in the Botswana Delta in 2012. Over time some modifications were made by an unauthorized contractor.

When the camp was rebuilt in 2024/5, the Fusions were moved by the customer (with remote assistance from Maskam Water®) to a new location and put back into operation to serve the new camp for the next 15 years.

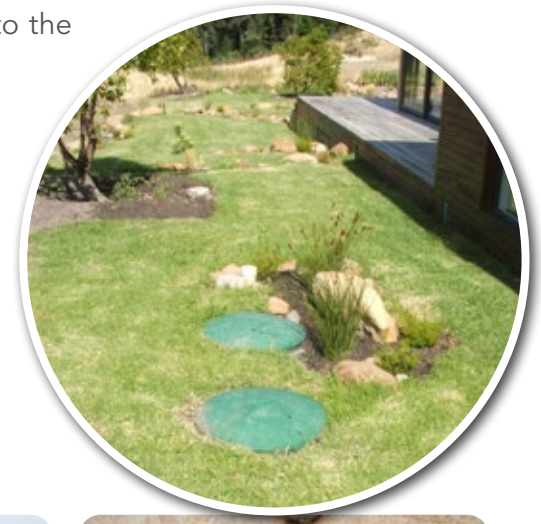
Cost of repairing the unauthorized modification: R10 000

The relocated Fusions ®

Acacia Cottages – Franschhoek
(Eco-friendly, development)

CASE STUDY

First Fusion® on African soil, August 2010, installed next to the bedroom window.



Due to a high water table the house was moved in 2024 and the customer decided to use the opportunity to move the existing Fusion® and buy a second Fusion® for another new house on the farm.

The contractor who removed the unit, caused some damage and the customer sent the Fusion® to Maskam Water® for refurbishment

Refurbished and ready to serve at the new house...

Cost of refurbishment: R20 000

As of 2018, all Fusion® shells are protected by a UV resistant barrier coat, which increases the longevity of the tank even more.

History of Fusion® in South Africa

2010 The first Fusion® is installed in Franschhoek

2011 First Fusions® are exported to Botswana, Mozambique, and Nigeria

2013 First exports to Kenya and Namibia

2014 First Exports to Mauritius and Ghana

2016 Local manufacturing of the smaller Fusion® in South Africa, as part of a JV with Zoeller Pump Company
First exports to the DRC & UAE

2018 Maskam Water® buys the old Sasko depot in Vanrhynsdorp to increase production capacity
Local manufacturing of the larger Fusions® starts in South Africa

2020 First Fusion® exports to the Cayman Islands and Mexico

2023 Maskam Water® buys the Clarus Fusion® business from Zoeller USA
2010 - 2023

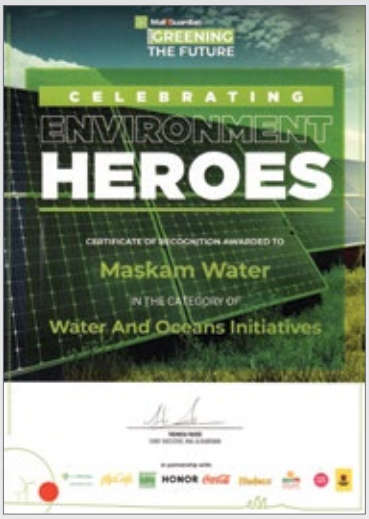
CLARUS ENVIRONMENTAL

FUSION® Wastewater Treatment Plant
All manufacturing shift to the Western Cape, South Africa.
2023 - present

2025 The biggest Maskam Fusion® cluster to date, with 19 Fusions, installed at Paarl Junction in the Western Cape.

2026 More than 450 Fusions® sold in 10 African countries, UAE, Mauritius, Cayman Islands, Bahamas, Mexico and Madagascar is to follow soon.

Certifications and accreditations



The Mail & Guardian Greening the Future awards 2023

Category: WATER AND OCEANS INITIATIVES

Africa Invest Award

Global Expo - Botswana

Fostering Economic Diversification, Skills Entrepreneurship

COP27 SHARM EL-SHEIKH EGYPT2022

COP27 Solutions Call Winner

Maskam Fusion® fully compliant with the new regulation section 6.10 and 6.11 regarding on-site waste water treatment

DEPARTMENT OF WATER AND SANITATION

NO. 6292 6 June 2025

WATER SERVICES ACT, 1997

REVISED COMPULSORY NATIONAL WATER AND SANITATION SERVICES STANDARDS IN TERMS OF SECTION 9 (1) OF THE WATER SERVICES ACT, ACT NO 108 OF 1997

I, Miss Pemmy P.C. Majodina, in my capacity as the Minister of Water and Sanitation, hereby in terms of section 9(1) of the Water Services Act, 1997 (Act No. 108 of 1997), prescribe revised Standards as contained in the schedule hereto.

MISS PEMMY C. P. MAJODINA, MP
MINISTER OF WATER AND SANITATION
DATE 16/04/2025

Excerpt from section 6...

(10) A Water Services Authority may not unreasonably decline a property development to have a water efficient sanitation solution that is not connected to the central system where development will manage the system as a Water Services Intermediary and where the water uses of the system is authorised under the National Water Act.

(11) Whenever a Water Services Institution is providing new innovative non-sewered sanitation systems, such must be guided by the requirements of SANS 30500 for Non-Sewered Sanitation Systems or the "SANS 24521:2020 Guidelines for the management of basic on-site domestic wastewater services", whichever is applicable.

Section 11 reads as follow...

Prohibitions

11.(1) The provision or distribution of bucket toilets to communities in both formal and informal settlements are prohibited.

(2) Municipalities and WSAs are prohibited from approving bulk user connections to existing water and wastewater systems without having the necessary capacity to service such user connections. This means that a municipality may not approve new /additional bulk user connections to an existing water or wastewater treatment system unless that system has the capacity to deal with the additional load (ability to operate according to technical specifications).

(3) Municipalities may not approve any new developments that will connect to an existing wastewater treatment system unless such a system has the capacity to deal with the load from the development.

A Few Other CASE STUDIES

Agricultural Research Centre – Dundee

Two Fusions installed in different areas on the premises. Treated effluent mainly used for irrigating the lawns and gardening.

Private Residence – Gauteng

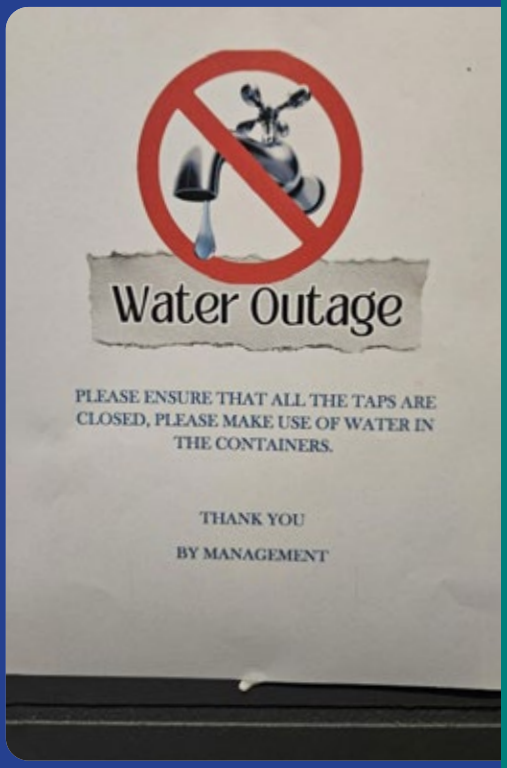
Treated effluent is used for water feature.

ZF 2000 installed in hard to reach mountainous area

Tiger Canyons – Philippolis

Fusion® installed underneath kitchen window.

Don't let this happen to your business



In June 2026 Maskam Water® had a meeting with a supplier the northwestern parts of City of Johannesburg. The meeting was at an office block and the discussion was about the added benefits of onsite wastewater treatment and reuse, mainly focusing on the added benefits that are often overlooked.

The bathrooms in this office block had these notices on their bathroom doors. Inside was a 5l plastic container with water.

In this case the added benefits are dwarfed by the fact that people have to buy water at exorbitant pricing just to flush toilets

This building was surrounded by commercial buildings. They must all have the same challenges.

To prevent this from happening at your building, invest in a Maskam Fusion® to treat your waste-water onsite and make it available for toilet flushing again.

- **Cost of municipal water and sewage charge** **R 130 per kl**
- **Cost of buying 5lt containers of water** **R 6000 per kl**
- **Cosf of onsite recycling with Fusion®** **R 15 per kl**

Funding Partner

Extend your cash flow by Financing your Fusion...

Maskam Water® and **Standard Bank** have taken hands to bring you the most sustainable wastewater solution with a financing option. Both new installs and retrofits can be financed. Financing will be in the form of asset financing, similar to buying a vehicle for your business.

When financing a Fusion®, there will be saving. Either there will be saving in the cost of using honey suckers or in the cost of purchasing municipal water and paying for sewage charges. As far as possible, the financing is structured so that the saving will cover the instalment. Once the installations is paid off, you will have surplus cash in the bank. If you need a wastewater or recycling option, but it is difficult to get CAPEX approved. There is also the option of "water as a service", whereby you will enter into a multi-year agreement with a service provider to do the onsite treatment. In this case, the service provider will finance the system and you will simply pay a monthly fee for the service rendered, using your existing OPEX budget

Maskam Water's® Fusion® WESS solution speaks up to 15 of the 17 United Nations Sustainability Development Goals (SDGs) and ticks all the boxes for sustainable alternative water solutions.

No more pitlatrines!

https://www.un.org/sustainabledevelopment. The content of this publication has not been approved by the United Nations and does not reflect the views of the United Nations or its officials or Member States.

MASKAM WATER
Greywater System

When you have a municipal sewer connection, but want to reuse some water to improve water security or simply reduce you municipal bill, the Maskam Greywater System is the answer. It is cheaper than the Fusion and can recover up to 70% of your used water in a domestic setup. In commercial buildings the percentace will depend on the operation, how much greywater is generated in the building.

What is considered Greywater?

Greywater is water from the showers, basins and washing machine. Greywater is used water with a low organic loading. Kitchen sink water and toilet water is considered black water due to the high organic loading. These should be diverted to the sewer line, and not to the greywater system.

The Maskam Greywater System sets a new standard in greywater use, reducing municipal water demand while increasing water resilience.

The Maskam Greywater System is fully assembled – ready to drop in on site. Once installed only the green lids are visible. The GWS treats greywater to improve clarity, reduce COD and ensure that the water has no foul odour. Treated Greywater from the Maskam GWS will not clog sprinklers, cisterns or any other equipment and the water can be stored indefinitely without becoming foul. The Maskam GWS uses very little power and has very low maintenance. (60 minutes per year). The Maskam greywater system can incorporate pool backwash and rainwater harvesting.

The Maskam Greywater System is designed to store and treat greywater for irrigation and toilet flushing purposes.

The system consists of two compartments. The first compartment will float lighter impurities like body fats and lotions while heavier impurities will settle at the bottom of this chamber. Particles floating in the water, like lint from washing machines, is removed by the pleated effluent filter. Filtered greywater is agreywater is further treatred in the second chamber. Benefits include …

- Reduces the COD of the water
- Improves clarity
- Aerobic water has excess free oxygen, which loosens soil when used for irrigation
- Converts ammonia to nitrates, which is good for plants when irrigating with this water
- Eliminates odours

Maskam Greywater System Features and Specifications

- No foul odours.
- Very low maintenance.
- Aesthetically pleasing, only the green lids will be visible.
- Proven performance in the African market for over 15 years.
- Fully assembled, simple and easy installation.
- Good quality fibreglass underground tank ensures durability and a long lifespan.
- Low power consumption
- Built-in lint filter is easy to clean and maintain.
- Backfill is done with in situ soil. No need to stabilise the backfill with cement, which lowers the installation costs and makes it more eco-friendly
- Risers can be added to raise lids to ground level if tank is installed deeper than chimney height
- Both Greywater and swimming pool backwash water can enter the tank
- Overflow goes to municipal sewer
- Rainwater harvesting can be incorporated on request.
- Hassle-free change-over to municipal water should greywater not be enough for the total needs of the site
- Surface (JET) or Submersible (Citypump) can be used
- UV disinfection is optional.


1500 liter per day


12 000 liter per day

Available sizes

Domestic and small commercial use:

- 1500 litres
- 3000 litres
- 4000 litres
- 7000 litres
- 10 000 litres
- 12 000 litres

Large commercial and industrial use:

- Greywater systems are designed to suit the customer's needs and fit into the available space on site

Optional

Greywater panel with automatic switch-over to municipal supply when greywater runs out.

WHAT TO KNOW...

- The use of untreated greywater is often problematic in that it is associated with foul odour, clogs up irrigation systems and is seen as "dirty" water
- Treated greywater will not have any foul odours, it can be stored for extensive periods of time and can be used for an array of non-potable uses, including irrigation, toilet flushing, cleaning of hard surfaces, etc.
- Greywater may contain harmful bacteria. If the greywater is used where direct human contact is possible, disinfection is recommended
- With UV disinfection, there are no potentially harmful by-products

There are two greywater system options to choose from:

1. Fibreglass tank, for underground or surface installation
2. Split system, with underground filtration and a lifting station to pump filtered greywater to above ground storage tanks. Aeration take place in the above ground tanks.

Rainwater harvesting is optional on all models. The rain-water harvesting design takes into consideration the protection of our natural water courses and prevents overloading of sewer systems. When the greywater system if full, Maskam Water®'s unique design will divert greywater to the sewer line while rainwater will be diverted to the stormwater system.

Maskam Water® Underground Grey Water System

CASE STUDY

An underground Maskam Water Grey water system complete with irrigation pump and filter.

Maskam Water® Greywater System with above ground tank

CASE STUDY

A greywater system with above ground rain water harvesting tanks.

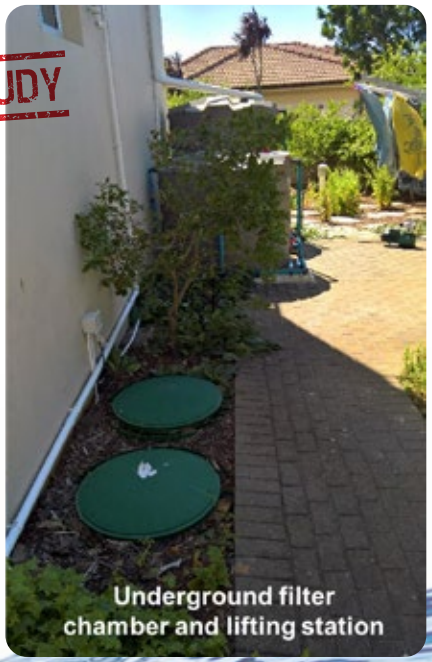
CASE STUDY

Here rain water and treated greywater is stored separately. The unique Maskam Water designed system allows the greywater to overflow to the sewer system and the rainwater will overflow to the stormwater system.

The Maskam Water design allows for rainwater to top up the greywater tank, but greywater cannot flow into the rainwater system

Another combined greywater and rain water treatment and storage system

CASE STUDY



Benefits of re-using greywater

- Reduce municipal water demand

CASE STUDY

Apartment building with 20 flats – Vredendal

Greywater used for flushing toilets.

For toilet flushing, a fine sediment filter followed by a low dose chlorine is recommended. The low dose chloring will prevent the water from going stale if the toilet is not used for some time. A mechanical, water driven dosing pump is recommended, to ensure consistency of dosage during varying flows.

- Reduce strain on sewage systems and septic tanks

CASE STUDY

30kl Maskam Greywater System under construction

6-Star green Apartment building

University of the Free State, Bloemfontein

CASE STUDY

CUSTOM BUILD

- Conservation of freshwater
- Greywater can be re-used for non-drinking purposes, e.g. toilet flushing, garden irrigation, etc.

Maskam Water® Grease Traps and Family of Water Solutions

What is FOG?

FOG is a common acronym for **Fats, Oils, and Grease**. These materials are by-products of food preparation that, when improperly disposed of down kitchen drains, cool and solidify inside sewer pipes.

Why FOG is a Problem

When FOG enters the sewer system, it undergoes **saponification** – a chemical reaction where it bonds with calcium in the wastewater to form a "soap-like" solid. This causes blockages in the sewer systems that are notoriously difficult and expensive to remove. FOG tends to attract unwanted pests such as rodents and flies and it is a hazard to the environment and human health.

Compliance with legislation

Grease Trap Installation: It is a legal requirement for all restaurants, commercial kitchens, and food processing facilities to have a functional grease trap.

Maintenance & Cleaning: Many municipalities follow the "**25% Rule**," which mandates that a grease trap must be cleaned before the combined FOG and solids reach 25% of its capacity.

Record Keeping: Businesses must maintain a "Waste Transfer Certificate" or service records for at least two years to prove that FOG was removed by a licensed collector.

Prohibited Discharge: Intentionally or unintentionally discharging FOG into the sewer system is an offence that can lead to heavy fines, legal action, or even the suspension of a business license.

Why FOG is problematic for WESS solutions

When FOGs mix with sewage, the fats coat onto the sewage, which makes it very difficult for the bacteria to degrade the solids in the water. Secondly the "fatty sewage" floats on top of the water and does not sink, as it should, to be treated. The floating sewage then starts to decompose above the water line, causing a foul odour. At this point the waste water treatment plant is being compromised. No sewage treatment plant, no matter which make or model, is designed or able to treat this kind of water. Effluent quality will deteriorate and foul odours will be present.

High fat content also raises the BOD and COD of the water which also affects the quality of treated effluent

Maskam Water's® Grease Traps have a 3-chamber design and are sized to have a minumum of 6 hours retention. This allows for the water to cool down and fats to separate from the water. The design ensures minimum turbulence as to not mix FOG back into the water.

Maskam Water® Grease Traps, from 1,5kl per meal up to 15kl per meal.

They're tried and tested, solved problems where others failed.

Maskam Water® Family of Solutions

Maskam Water® uses the same tank for all 3 systems but with a different configuration for each of the Maskam Fusion®, Greywater System and Great Trap.

The Fusion® Wastewater Treatment Plant

Maskam Water ® Grease Traps

Maskam Water® Greywater System

UV DISINFECTION

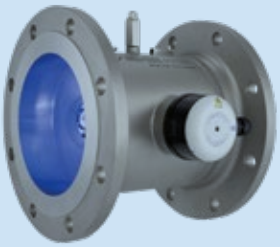
Blue lagoon
UV-C and Pool equipment

The Blue Lagoon UV-C range of products is the perfect match for domestic pools.

UV pool systems can reduce the amount of concentrated chlorine by 50-80%.

VGE pro
PURIFICATION EQUIPMENT

The VGE Pro range consists of a complete selection of industrial treatment systems based on UV-C technology



xclear
UV-C & FILTERS

The Xclear UV-C systems are the best solutions for keeping your pond water healthy and crystal clear. From a professional koi pond to a "do it yourself" pond; Xclear pond products are applicable for every pond.

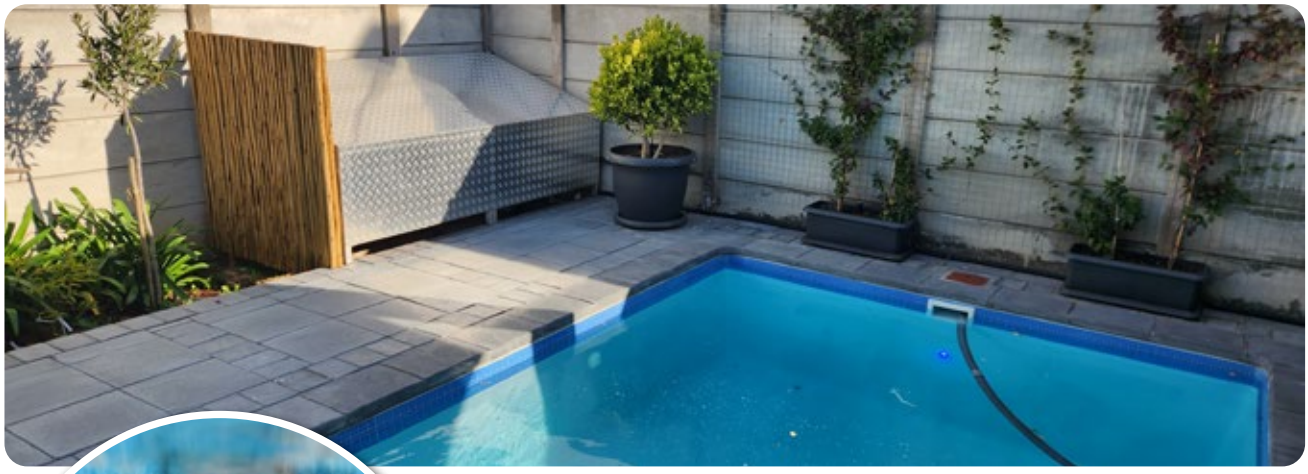
Blue lagoon
UV-C and Pool equipment

Ideal for Pools

Blue Lagoon UV-C technology is an environmentally friendly and safe way to purify water. UV-C breaks down chloramines that cause the unpleasant "swimming pool smell" and prevents the physical symptoms associated with chlorine, i.e. red eyes, skin irritation and breathing difficulties.

It also protects bathers against pathogens such as moulds, viruses and bacteria. It's the most efficient purification technique to add to spa, hot tub and pool filter systems.

The Blue Lagoon range of products use a combination of UV-C (germicidal UV), copper and ozone to keep your pool fresh and algae free without the skin irritations that are associated with chlorine or the pollution that goes hand-in-hand with salt water pools.



Advantages of this system includes:

- Swim with your eyes open
- No more skin irritation / allergies / dry skin that is associated with chlorine pools
- Use your backwash water in your garden – no more wastage!
- Your pets can drink your pool water – it is safe
- Running cost is lower than chlorine or salt water pools
- Save 75% on electricity – uses only 25% of the power compared to a chlorinator

Popular Blue Lagoon Products

Copper Ionizer UV-C

Ultra Violet sterilizer and copper ioniser combo. (Low dose copper keeps algae growth under control when the pump is not running).

Flow Switch Plus

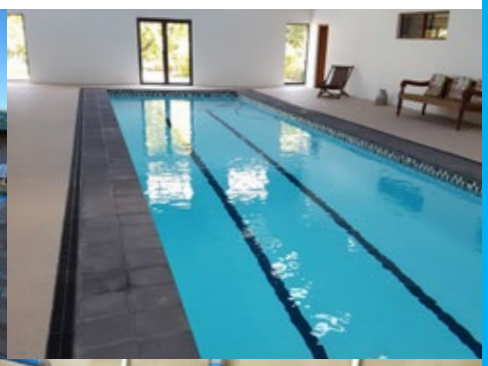
The Blue Lagoon Flow Switch Plus is the ideal protection for a UV-C purifier in your pool installation. It will turn of the lamp at insufficient water flow.

Signal UV-C

LED-function to visualise the remaining lifetime of the lamp and A built-in electronic ballast to ensure a smooth power supply.

AOP Compact Ozone & UV-C

The combination of ozone and UV-C, integrated in this smart designed purifier, ensures fresh and healthy pool water with the possibility of using a minimum use of chlorine.



DID YOU KNOW?

By using Blue Lagoon you can have a chlorine free pool which can be a back-up water supply for non-drinking purposes in the event of municipal water supply interruptions.

Ideal for Industrial & Commercial Applications

The VGE Pro range consists of a complete selection of industrial treatment systems based on UV-C technology. Our UV-C systems can be used for water, surface disinfection and air treatment against bacteria, viruses, moulds, yeasts, spores, protozoa and algae. This makes VGE Pro the driving force in water, surface and air treatment installations.

Each VGE Pro UV-C disinfection system is equipped with a control unit. There are several options which can be combined with a suitable VGE Pro unit and several other options like a temperature sensor and a flow switch.

Benefits of using commercial UV-C systems

- Changing the UV-C lamp with water in the system
- Resistant to corrosion
- Splash proof
- Visual inspection for operation of the lamp
- Lamp replacement without tools
- Ideal for commercial pools, agriculture, municipal water supply, disinfection of treated effluent, rainwater harvesting, aquaculture etc.

INOX Low Pressure

The VGE Pro range consists of a complete selection of industrial treatment systems based on UV-C technology. Our UV-C systems make water, surfaces and air safe and keep it free from algae, bacteria and viruses. This makes VGE Pro the driving force in water, surfaces and air treatment installations.

INOX MED Pressure

The VGE Pro product range has low pressure and medium pressure UV lamp based systems. The medium pressure UV lamps emit a wide spectrum of Ultraviolet (UV) light which not only gives very good disinfection results but is also excellent for photolysis applications like the reduction of chloramine in pool applications.

INOX HDPE System

The high-quality HDPE reactors of the VGE Pro HDPE series have been designed to treat highly corrosive water. Besides that, HDPE is resistant to aggressive UV radiation, which makes it very suitable as an irradiation chamber for our UV technology. They are suited for all kinds of disinfection and UV-C treatment applications and can even be used for the production of ultrapure water, semiconductor-, pharmaceutical- and cosmetic industries.

INOX Immersion System

No pressure loss is a great advantage of the VGE Pro Immersion series, because the UV-C lamps are integrated into your water system without an irradiation chamber. The fixtures are made of high quality stainless steel. The immersion units are designed for a working pressure of 6 bar which results in an installation depth of 60 meter(s. The entire system can operate fully submerged.

The UV-C lamps are based on amalgam lamp technology with a lamp life of 16,000 hours. This results in low maintenance costs.

INOX Float System

The INOX Float has a floating cushion on the top with which the unit can be placed in the water. Due to the unique way of installation, this works perfectly with fixed or changing water levels. The combination of a floating cushion and the VGE Pro UV INOX Immersion is a perfect solution against viruses, bacteria, algae and bio film in tanks. The ultraviolet radiation deactivates the microorganisms present, which means that the quality of the water is constantly guaranteed.

The UV-C lamps are based on amalgam lamp technology with a lifespan of 16,000 hours. This results in low maintenance

Applications

Horticulture

In horticulture, clean water is vital for producing healthy crops. VGE Pro UV-C systems help safeguard irrigation water by inactivating waterborne bacteria, viruses and fungi—including pathogens such as Pythium and Fusarium—without adding chemicals or leaving residue. In closed-loop irrigation, recirculating water can easily spread disease throughout a crop. Treating reused drain or return water with a VGE Pro UV system reduces these risks and supports a safer, more reliable growing environment.

Aquaculture

In aquaculture pollution, feed residues and animal waste can promote bacterial growth, degrading water quality and affecting stock health. VGE Pro UV systems help control harmful microorganisms to support healthier conditions. Improved microbial control can enable higher stocking densities, reduce mortality, increase yields, and lower medication costs. The systems also help keep water clear in both commercial aquaculture facilities and public aquariums.

They also support water reuse, lowering operating costs and improving sustainability. Beyond water treatment, UV-C can be used to disinfect selected surfaces—such as conveyor belts and packaging areas—to strengthen hygiene controls and support compliance with quality standards across food and beverage operations.

Swimming Pool and Spa

For residential pools, UV Pro systems provide effective water disinfection, including against chlorine-resistant micro-organisms. In commercial pools, VGE Pro systems help lower chloramine levels while delivering broad-spectrum disinfection, including inactivation of chlorine-resistant organisms such as Cryptosporidium and Giardia lamblia. This improves overall water quality and enhances swimmer comfort.

Drinking Water

VGE Pro UV systems provide reliable water disinfection, effectively inactivating microorganisms and viruses, including chlorine-resistant pathogens. Used as the final step in a drinking-water treatment train, UV-C helps ensure water is safe for use. Built-in UV-C intensity monitoring provides continuous assurance of disinfection performance.

Industry and cooling systems

Biofouling is a major challenge in cooling-tower systems, reducing heat-transfer efficiency and accelerating corrosion. Warm water can also encourage microbial growth, including Legionella, the bacterium responsible for Legionnaires' disease. Using VGE Pro UV systems to disinfect circulating water helps limit Legionella spread, reduces chemical consumption, and can extend service intervals.

Intensive livestock farming

In intensive livestock farming, water quality directly affects animal health and hygiene. Because cattle and pigs drink large volumes, supplying safe drinking water is essential. VGE Pro UV-C systems inactivate microorganisms without chemical additives or residuals, helping reduce disease transmission and support animal welfare. Providing clean water is a sustainable way to promote healthier livestock.

Maritime

In maritime settings, onboard water tanks can harbour pathogens such as Legionella, creating health risks for guests and crew. VGE Pro UV-C systems disinfect potable water by inactivating these microorganisms to support safe water for use and consumption. They can also disinfect wastewater prior to discharge, helping vessels meet stringent maritime regulations.

Food and Process industry

In the food and process industry, consistent water quality is critical for food safety. VGE Pro UV-C systems inactivate pathogenic microorganisms to help protect product integrity and reduce contamination risk.

The GYM – Worcester, Western Cape

CASE STUDY

Chlorine gas and chloramines that formed degraded the steel structure of the building to the point where some beams had to be replaced.

By installing a VGE Pro UV disinfection solution they have accomplished the following:

- Lower operational cost
- No more "swimming pool smell" due to the absence of chloramines
- Improved health for the people using the pool, including no more red eyes, no more sinus irritations and no more long-term side-effects of chloramines that forms when chlorine reacts with organic matter in the water
- Reduced carbon footprint in the reduced manufacturing and distribution of chemicals
- Reduced downstream pollution by not releasing chemical into the environment during backwashing of the pool.

The GYM is setting a new standard in indoor pool water treatment. This is something more and more gyms will follow, given the range of benefits, including the long-term health of their customers.

Ideal for Ponds, Koi Ponds, Garden & Domestic drinking water

The Xclear range of UV-C purifiers are the best solutions for keeping your pond water healthy and crystal clear. From a professional koi pond to a "do it yourself" pond; Xclear pond products are applicable for every situation.

Benefits of using UV-C in a pond:

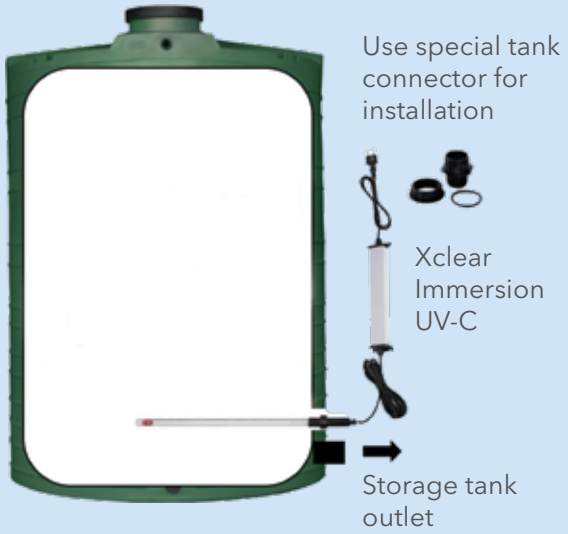
- The solution against green pond water
- UV-C is effective against all micro-organisms
- Improved water quality
- A crystal clear pond
- Protects fish from germs and harmful micro-organisms
- Less energy and maintenance costs
- No harmful chemicals needed
- UV-C is a non-hazardous, green technology
- Cannot be overdosed

UV-C Pro 8L

For use in agriculture horticulture or domestic drinking water

Immersion UV C

Keep the water in your storage tank sterile

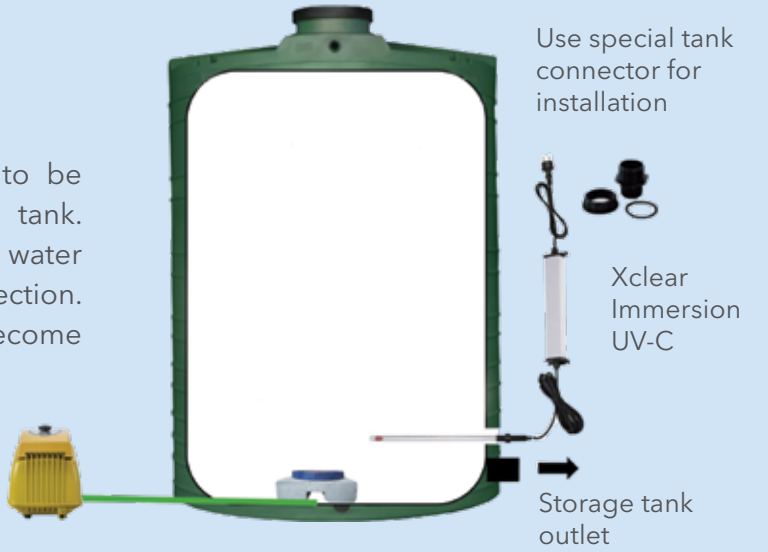


XClear Immersion UV-C

The XClear Immersion UV-C needs to be installed next to the outlet of the tank. This optimizes contact time of the water with the UV-C light to ensure disinfection.

XClear Immersion UV-C with Air pump installation

The XClear Immersion UV-C needs to be installed next to the outlet of the tank. This optimizes contact time of the water with the UV-C light to ensure disinfection. The air pump ensures water does not become stagnant and keep water moving for increased contact with UV-C



Air Pump (Aeration/Mixing) + Immersion UV-C for Potable Water Storage Tanks

To reduce microbial risk in a potable-water storage tank, you can use a small air pump and an immersion UV-C lamp. The intent is to improve water safety at the point of use by preventing stagnation, limiting biofilm growth, and providing routine UV disinfection.

The air pump provides gentle circulation that reduces stratification and stagnation zones. The water movement improves contact between tank water and the UV field and helps bring water from the tank walls where biofilm fragments or microbes may be present into the bulk water. The immersion UV-C unit provides germicidal UV (typically around 254 nm) that inactivates micro-organisms by damaging nucleic acids; delivered performance depends on exposure time and water clarity (UV transmittance), not lamp wattage alone.

Note: UV is for microbial inactivation; it does not remove dissolved chemicals (e.g., nitrates, salts, pesticides) or improve taste/odour caused by chemical contamination.

AQUA FORTE PROFESSIONAL POND PRODUCTS

Ideal for Ponds, Koi Ponds & Fountains

Extremely low energy consumption.

Aqua Forte pumps are designed to be **extremely energy-efficient**. Power consumption is as little as 35watts for pumping up to 5000 litres per hour, or 200 watts for circulating 30 000 litres per hour on the high flow model.

They offer a line of pond pumps suitable for various applications, such as streams, waterfalls, fountains, natural pools and filters. Pond pumps are available in many different versions.

Pumps

O-Plus Series, O-Series and O-Plus Vario Series

Low voltage. Can pump solids up to 6mm.

Technical specs O-Plus Series

Type	WATT	Max Flow m3/h	Max. Head
O Plus 3 500	25	3.5 m³/h	3 m
O Plus 5 000	40	5.5 m³/h	3.5 m
O Plus 6 500	50	6.5 m³/h	4 m
O Plus 8 000	70	8 m³/h	4.5 m
O Plus 10 000	85	10 m³/h	5 m
O Plus 13 000	110	13 m³/h	5.5 m
O Plus 15 000	135	15 m³/h	6 m
O Plus 20 000	200	19 m³/h	7 m

- Energy efficient pumps with innovative electronics
- Low noise operation
- Auto stop function to prevent motor burn out
- Low voltage (12V) pumps available
- Suited for fresh or salt water
- No copper parts
- Submersible / external use

P-Series Pond pump

Suitable for horizontal & vertical use.

Suitable for wet and dry configurations.

Technical specs

Type	WATT	Max. Flow m³/h	Max. Head
P 15 000	290	15 m³/h	6.5
P 20 000	420	20 m³/h	7.5
P 25 000	520	25 m³/h	8
P 35 000	650	35 m³/h	8.5

DM-Series

Filter pump.

Technical specs

Type	WATT	Max. Flow m³/h	Max. Head
DM 3500	25	3.5 m³/h	3.0mtr
DM 5000	40	5.5 m³/h	3.5mtr
DM 6500	50	6.5 m³/h	4.0mtr
DM 8000	70	8 m³/h	4.5mtr
DM 10 000	85	10 m³/h	5.0mtr
DM 13 000	110	13 m³/h	5.5mtr

HF-Series

High Flow Pond Pump.

Technical specs

TYPE	WATT	MAX.LTR/H	Max. Head
HF-16000	75	16 000	2.0
HF-22000	95	22 000	2.6
HF-26000	135	26 000	3.5
HF-30000	200	30 000	4.0

Floating Pond Skimmer

Floating skimmer with 60 watt pump, capacity up to 3000 l/h. For pond surfaces up to ± 50m². Easy to use, easy to clean. Fitted with skimmer basket, foam filter pad and 10 meter cable.

Filters and Filter Media

A good pond filter ensures that the water remains clear and healthy and that your pond functions properly. Without good filtration, waste accumulates, algae thrive, and cloudy, green water develops. And a pond that is no longer inviting, but causes concern and requires more and more maintenance.

AquaForte Drum Filters

Drum filters are fully automatic pre-filters

AquaForte Ultrasieve III Gravity Fed Sieve Filter

The most compact, gravity fed, sieve filter with the highest pump capacity!

AquaForte CompactSieve 300

Compact version of the UltraSieve for use only in a pump fed configuration.

MBF 350 and 550 Chamber filters

AquaForte Chamber Filters Easy to install chamber filters with various filter media.

Complete EB 50 Filter System

The AquaForte Complete EB50 filter system is a fully pre-assembled Plug & Play pond filtration system

Matala Filter Media

Floating Fountain Pump

The Floating Fountain not only make a good water feature but acts as a water conditioner at the same time.

Stagnant water is notorious for foul odours and it is perfect breeding ground for bacteria and pests. By introducing recirculation (movement) and oxygenation (aeration), you essentially transform a dead pool of water into a healthy, dynamic ecosystem.

When you keep water moving and infused with oxygen, it triggers a chain reaction of positive biological and chemical changes.

Benefits of using a floating fountain pump

- Floating on the water, it adjusts with the seasonal changes of the water level.
- Improves water quality
- Eliminates odours and harmful gases
- Creates healthier habitat and supports aquatic life
- Reduces algae growth
- Reduces build-up of bottom sediment
- Mosquito and pest control

Features

- Easy to install / No tools required
- Energy efficient. The AquaForte Floating Fountain has a fully sealed motor 3.3A 600W
- The AquaForte Floating Fountain has a stainless steel suction screen & body
- Engineering grade plastic discharge & nozzle parts are used on the AquaForte Floating Fountain
- 3 spray patterns
- Provides aeration for ponds.
- Comes standard with 30m power cord

Available pump sizes:

AquaForte all 230V, 600 Watts

Flint & Walling available in 230V and 380V
½ hp
¾ hp
1p

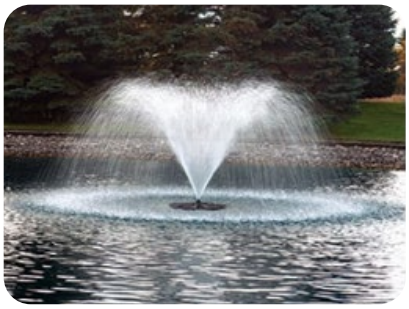
With the addition of lights to the Floating Fountain it creates a scenic backdrop to any venue.

Applications

- Private residential ponds
- Apartment complexes
- Industrial centres
- Golf courses Waterscapes
- City parks
- Function venues
- Farm dams
- Residential Lakes often found in developments such as Security Estates

AquaForte Floating Fountain

Provides aeration for shallow ponds up to 1000m², and 2 meter deep.



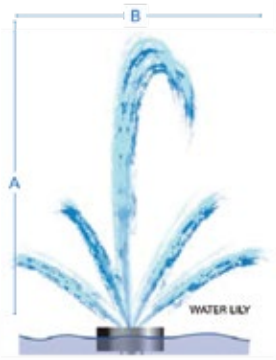
Classic

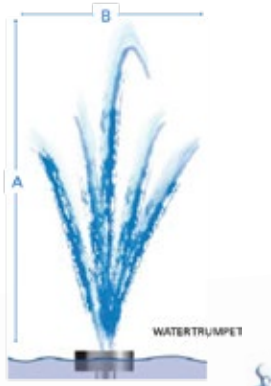
Trumpet

Crown Trumpet

Flint & Walling Floating Fountain

Provides aeration for ponds 1.5 m or deeper..





Guest house – Kuruman

CASE STUDY

Septic Tank overflow captured in a dam outside the entertainment area at the guesthouse.

The floating fountain pump installed changed the water from very dark and smelly into clean, clear water without any foul odour.

Very Energy-Efficient Pumps

City Pumps water pump are simple yet innovative products with amazing performances.

Energy efficiency and environmental sustainability are the values guiding the continuous upgrade of City Pumps products, with a steady reduction of energy consumption and a considerable advantage for the user.

Cuty Pumps, pumps up to 80% more water per KWh than similar pumps on the market.

Surface Booster Pumps - MS range

The MS range consists of inox horizontal multi-stage self-priming pumps. Very energy efficient with great flow rates (flow rates almost double that of JET pumps, with the same power consumption).

Submersible Booster Pumps - Pluritech 2 and 3

Pluritech, is a bottom-intake pressure pump with built-in pump controller and dry run protection with auto restart. No external controls needed. Simply connect the pipe, drop into the tank, plug in and you will have water on tap.

Submersible Booster Pumps - NHA and NHB

The NHA and NHB, (Hydro A and Hydro B) are both bottom intake, inox booster pumps, with flow rates up to 5kl per hour and pressure up to 9 bars. They are ideal for installation in tanks. Out of sight, no noise factor. They have the same energy efficiency as the MS range. They come with the option, with or without float switch and are VSD compatible.

End suction Centrifugal Pumps - ICH and ICB

The ICH is suitable for use in civil and agricultural applications. The high efficiency and continuous duty capabilities makes these pumps ideal for use in applications such as flood and spray irrigation, drawing water from lakes, rivers and wells, or for any number of different industrial applications where the characteristics of high flow rates and mid to low head are required

The ICB is suitable for use with clean water and with liquids that are not chemically aggressive towards the materials from which the pumps is made. The high performance and adaptability to a wide range of applications make them the ideal choice in domestic, civil and industrial applications, in particular for the distribution of water in combination with pressure tanks for boosting pressure in the network and for firefighting sets.

Variable Speed Drives and pump controllers

Presflo Vario

PRESFLO VARIO features a pressure sensor and a flow sensor linked to an electronic system that automatically activates the pump when a faucet's opening lowers the pressure below a specified level and deactivates it when the flow stops or dips under 2 l/min.

Features:

- Adjustable starting pressure, 0.8 – 2.4 bar
- 16A rated
- Over current protection
- Dry run with Automatic Restart
- Replaceable electronic board
- Union included
- Pressure gauge included
- Spring-loaded check valve
- Removable check valve for cleaning
- Horizontal installation
- Protection against excessive frequent starting

Steadypress

STEADYPRESS is connected to the pump's delivery system and regulates the motor's rotation speed by adjusting the voltage and frequency of the output, in response to water flow demand, ensuring constant pressure within the system.

Features:

- Over current protection
- Dry run with Automatic restart
- Replaceable electronic board
- Union included
- Built-in electronic pressure gauge
- Spring-loaded check valve
- Suitable for pump booster sets of up to 3 pumps

BLOWTAC

Blowers & Linear Air Pumps

The BLOWTAC magnetic diaphragm linear air pump is designed to deliver high volume of steady airflow at 0.1. to 0.5 bar pressure ranges, our BLOWTAC linear air pumps are of high efficiency, low energy consumption and perform with very low operation noise under 40 dB(A).

Features:

- Low noise
- High durability
- No oil lubrication
- High efficiency
- Compact and powerful
- Smooth air flow
- Simple maintenance
- High pressure air delivered at 3m depth.
- Ideal for rainwater storage tanks.
- Easily accommodate 3m bubble coulombs.
- 200l/min at 3m water depth.

AP 40 / 60 / 80 L

AP 100 / 120 / 150 / 200 L

AP 250 / 300 / 350 / 400 L

Applications:

- Ozone equipment air supply
- Air cleaner
- Oxygen supply for fish tanks and ponds
- Waste water treatment aeration and agitation
- Greywater treatment
- Iron removal
- Bubble bath
- Scientific and chemical instruments
- Low frequency therapeutic equipment

Fine Bubble Disc Diffuser

Disc diffusers produce smaller bubbles, therefore offering a greater bubble surface area for oxygen transfer.

Used as a complimentary aeration system together with air pumps for Basins, Ponds, Aquaculture, Greywater treatment, Wastewater treatment, Water treatment *(including heavy metal removal)*.

Maskam Water®, the official distributor of Zoeller products in Africa.

The Zoeller Pumps and Zoeller Engineered Products offer everything from a small sump pump to a large, commercial sewage pump. Zoeller also offers battery back-up systems, check valves, sewage grinder systems, small prepackaged residential units or large municipal systems.

Submersible pumps

Dewatering
Sump pumps
Evaporative cooling
Solids handling (up to 100mm)
Sewage pumps

0.3kW - 75kW

Features:

- Cast iron casing dissipates heat for longer life
- Built-in thermal overload
- Oil filled motor dissipates heat for longer life
- Stainless steel switch guard
- Built-in solid buoyant float
- Bottom suction vortex impeller
- Positive snap action switch designed for 1 million starts
- EVERY PUMP is 100% tested, submerged in water and run before leaving the factory to ensure quality and reliability

Utility Pump
up to 3mm draw down

Specialised Pumps

Shark Grinder Pump

The Shark® series of submersible grinder pumps is designed for use in residential or commercial wastewater applications and can be used to transfer raw sewage. Each pump features an innovative cutting mechanism, allowing it to grind solids into fine particles.

- Grinder pumps (including reversible single phase)
- Double seal with seal failure alarm

Valves

Multizone Valves

Multizone Valves offer an easy, reliable, and non-electrical way of diverting flows to multiple applications, such as irrigation zones, hydroponics etc.

- Needs no electricity
- Mechanical cam operated valve
- 2 to 6 zone

Sewage Backflow Preventer

Protects your property from flooding when municipal sewage lines block.

Available in: 75mm, 110mm and 160mm

Unique feature:

- Full bore design
- No restriction the flapper-design with o-ring ensures a 100% tight seal.
- Variety of installation depths possible.

Full-Flow Unichecks (Cast Iron)

Best check valve for pumping dirty water and wastewater.

Available in: 1½" (40mm) 2" (50mm) and 3" (75mm)

- Non-clog design - Designed not to clog when pumping solids or dirty water.
- Full flow design - no restrictions
- Horizontal & vertical installation possible
- Corrosion-resistant powder coated epoxy finish
- Neoprene polyester reinforced flapper
- The 40mm unit will easily handle 40mm solids, while the 50mm unit will pass a golf ball with ease

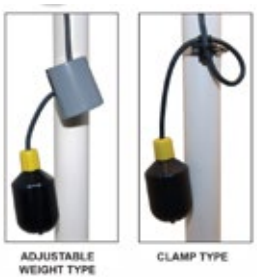
Transparent No-Spring Check Valve

Protect your pump by providing reliable backflow prevention.

- Eliminates water hammer
- Ideal for use with swimming pool pumps (allows visibility of dirty flow)
- Reduces motor and pump noise from plumbing system
- Designed for both horizontal and vertical usage
- Full-flow, non-clog design installation
- 3.5 Bar pressure rating
- Passes 40mm solids
- Spring loaded and non spring handling models available

Float Switches

When accuracy matters!



Vertical FS - for when accuracy matters

Adjustable on/off range from 20mm -200mm
Fixed installation height
13 Amp inline
Installation possible with limited space Cannot get entangled in wiring

10-1881

Specifically designed for sewer applications It will not float on top of the scum layer

Effluent filters

Septic Tank Effluent Pump System (STEP)

Centrifugal STEP

Turbine STEP
(borehole-type pump)

- Can also be used in pump chamber to prevent non-degradable solids from entering your treatment plant.
- No need for building two compartment tanks

Gravity Flow Effluent Filters

WW1

WW4

- Used on outlet of septic tank or Greywater system to prevent solids from clogging French drains
- Screen industrial effluent to reduce solids
- Easy to clean

Drainage and filtration

QwikJon Ultima - Sewage Removal System

The smart solution for your sewage removal needs when gravity flow is a problem.

- Pre-assembled pump and tank for easy installation
- Level 3 cutting capability – Contains 1/2hp (0.7kW) grinder pump
- No need to destroy concrete floors
- For use in houses, offices, factories, basements etc.
- Accommodates a toilet, basin, bath, and/or shower
- Angled outlet can be installed in any direction (360 degrees) to accommodate site conditions
- Compact design
- A fully submersible system (IP68 rated)
- Designed to accommodate 40mm outlet and vent pipes

This bathroom grinder pump is guaranteed to grind up and pump all of these items

MASKAM WATER IN-HOUSE DESIGNS

Maskam Water® Sumps and Lifting stations

NO need to build concrete manholes. Can be installed and operational in less than one hour. Ideal for residential, commercial and industrial applications.

The ribbed design is to prevent the unit from lifting out of the ground in high water conditions and it prevents deforming of the units.

Two models available: Medium duty (grey) and Heavy duty (green)

Available sizes:

- 600x 700
- 600 x 1300
- 600 x 1600
- 600 x 1900

Typical applications include:

- Dewatering
- Sewage or water transfer
- Screens
- Subsurface installation of electrical equipment
- Borehole cover (especially if borehole is in a garden, or in high-vandalism risk area)

Basic Sump

Close-up of the ribbed inside of the basic sump design.

Sump, with pump application used as a Lifting station

Drain Pump Series removes water from areas with no gravity flow.

For use in:

- Water transfer
- Sewage lifting station
- Drainage
- Transfer of treated effluent
- Greywater pumping.

Additional risers of 150mm per riser can be added.

Sump with
stainless steel basket

Sump, with electrical application used as a UV Chamber

Maskam Screens

S2 Hand Rake screen

Auto Back Rake screen

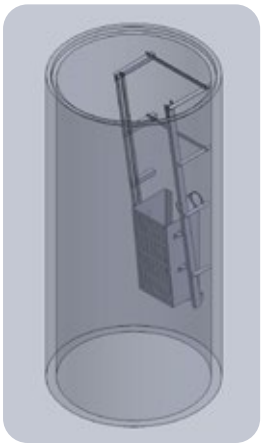
Screens can also be built into the sump as a full or a half round basket.

Half Round screen and pump combination

S1 Basket screen

Rail screen

For when it is neccessary to build a screen into a deep concrete manhole.



Quick Disconnect and EZ-Pull Quick Disconnect

Reduce the time and cost of removing a pump (Shallow pump)

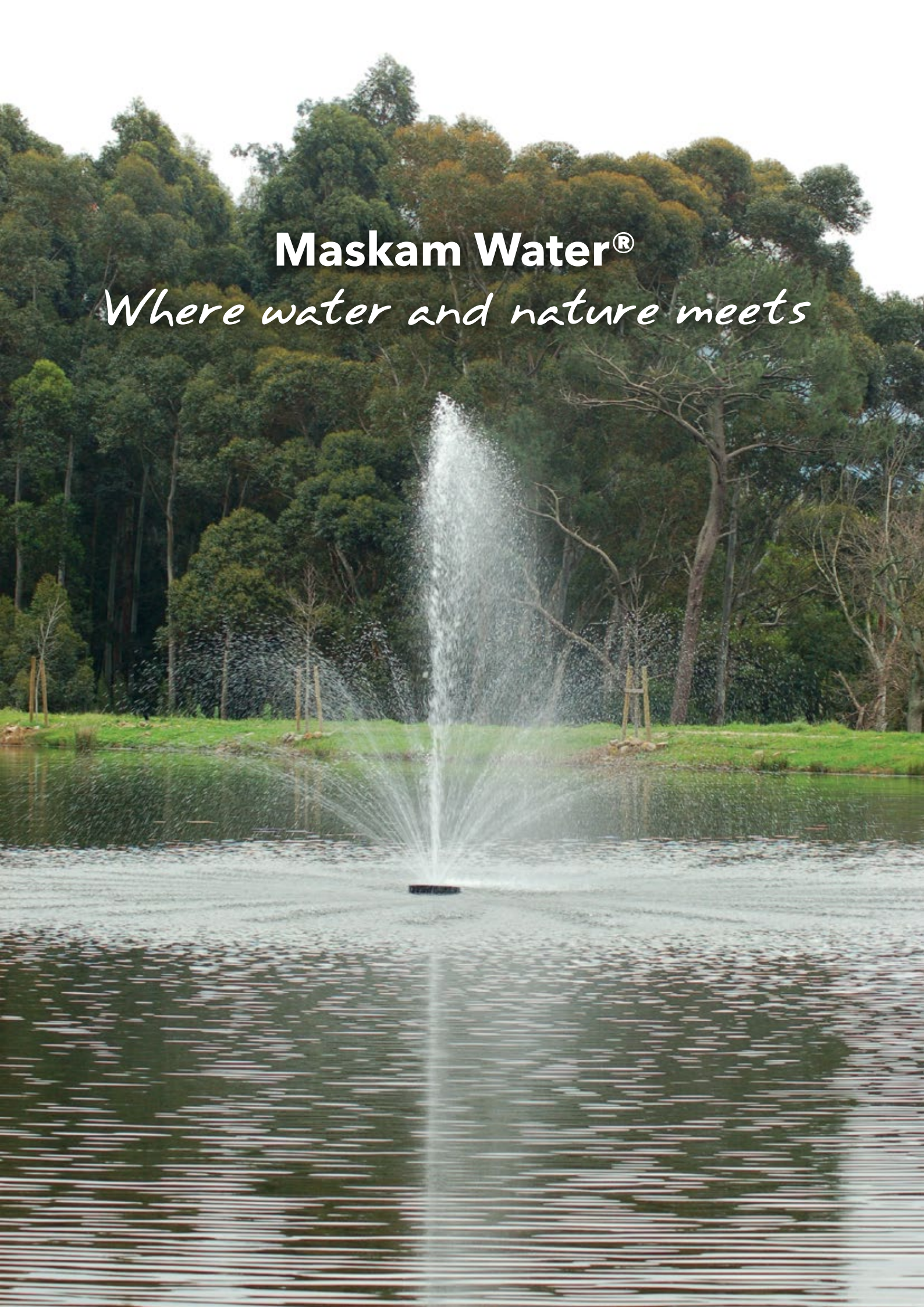
Easy sump pump removal without using any tools

Safety - keeps personnel out of pits and out of contact with contaminates

Inspections made quickly and easily

Brass, non-corrosive in the septic environment

EZ-Pull Quick Disconnect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