



halgan pty ltd

Product Catalogue 2022

Design | Manufacture | Service

Sustainable Environmental Treatment Solutions



To Our Customers

Whether you need grease traps, grease extractors, pump stations, pre-treatment devices, rainwater management systems or storm water treatment systems, Halgan's sustainable environmental treatment solution products offers many advantages. They're durable, reliable, and of superior standard. We're also proud of our pre-sales and post-sales technical service, it's about relationships and trust in a team that is on your side.

Company Profile

Halgan Pty Ltd, an Australian owned company, established in 1994, specialises in all aspects of sustainable environmental treatment solutions. From the initial manufacturing of treatment products, with a state of the art rotomoulding machine, right through to the consultation and sales process, Halgan Pty Ltd provides a superior product with stringent quality assurance.

For 20 years Halgan Pty Ltd has provided pre-treatment products and a dedicated service to plumbers, developers, engineers and merchants. We're proud of the reputation we have earned over that time for "having what you need, when you need it, where you need it".



Our Mission

To promote a sustainable environment, which is reflected in the products we sell, purchase and use.

Our Vision

To maintain a leading position in our markets through innovative, environmentally friendly products of the highest quality.

Our Values

Safety

We protect ourselves and others before all other priorities. Safety is a virtue to be instilled in each of us.

Innovation

We foster a creative environment where employees openly and enthusiastically search for new ways to improve our work.

Spirit of service

We reliably and equitably deliver exceptional products and services to our customers and communities all day, every day.

Empowered teams

We respect, trust, collaborate and communicate – openly embracing problems and conflict as opportunities to create solutions.

Communications

We listen to and share with each other timely, accurate and clear information to ensure effective performance of our work.

Promote professional & personal development

We provide opportunities to encourage each other to reach our highest level of performance within an inclusive, positive, fun work environment.



Company Directory

Halgan Pty Ltd

ABN 69 064 448 157

Sales

sales@halgan.com.au

General Enquiries

info@halgan.com.au

www.halgan.com.au

NSW

Wetherill Park:

10 Davis Road,
Wetherill Park
NSW 2164

P. +61 2 9939 8030

QLD

Brisbane:

141 Magnesium Drive,
Crestmead,
QLD 4132

P. +61 7 3803 7155

VIC

Pakenham:

20 Purton Road,
Pakenham,
VIC 3810

P. +61 3 5942 2900



1800 626 753



Halgan Product Advantages

Compact | lightweight

- Manufactured from Polyethylene ensures our products are lightweight, easy to transport and easy to install
- Installation costs are considerably reduced as cranes or heavy haulage equipment isn't required.

Easily transported

- Lightweight units are easily transportable and can be installed in locations that are difficult to access. On site, units are easily handled and manoeuvred.

Easily cleaned

- The smooth wax-like surface of polyethylene products hinders the building up of coagulated oils and fats which allows for quick and thorough cleaning of units and minimal rinse water usage.

Durable, acid resistant, long life

- Units are manufactured using the most modern and technically advanced rotomoulding equipment which ensures effective and efficient quality control throughout the manufacturing process
- The polyethylene material used is chemically inert, non-porous and UV stabilised, and does not require additional acid resistant coatings required on most steel and concrete units.
- Polyethylene offers better overall chemical resistance to corrosive acids, bases & salts, and is unaffected by bacteria, fungi or even aggressive naturally occurring soils
- Polyethylene is highly durability against dents, cracks or breaks and has a projected life of over 50 years.
- Units certified by Structural Engineer to Australian and New Zealand Standards in line with the industry's best practice requirements

Environmentally friendly – Green Star

- Green Star is an internationally recognised sustainability rating system with which Halgan's polyethylene products can contribute towards
- Our products have documentable advantages in materials, energy, transport, emissions, water and land use, and ongoing maintenance cost savings.
- Measurable financial and environmental benefits of Green Star mean Halgan products are the right product of choice





Australian made

We are proud that our production and manufacturing is located in Australia, using Australian parts and labour. It gives great confidence in the quality and value of our products to our customers, by:

- being better for the environment and reducing our carbon foot print;
- supporting local jobs and providing employment for those living in Australia;
- growing the Australian economy;
- ensuring skills sets are retained for future generation of Australians; and
- ensuring superior quality controls.

Working with a certified company

Benefits:

- business and customer related objectives and targets
- embedded cycles of improvement (getting better all the time)
- customer complaints handling system
- customer focused process development
- customer needs analysis
- systems and process performance monitoring
- planned and implemented staff training and development.



AS | NZS 1546.1 Certification

Continuing in our commitment to excellence, Halgan Pty Ltd has achieved AS-NZS 1546.1 Certification for the MGT S Series grease traps and pre-treatment vessels, the first pre-treatment manufacturer in Australia to attain this.

There is no applicable general or national standard for grease traps, the most relevant certification was AS/ NZS 1546.1 - On-site domestic wastewater treatment units – Septic tanks and Holding Wells. Compliance is achieved through an on-site factory assessment of the manufacturing processes as well as type testing of product samples and testing reports. Type testing includes "Determination Of Resistance to Lateral Load - Hydraulic Test Method". The lateral load (side loading) test simulates forces on Grease Traps wall due to soil in a partially saturated state together with any accidental (incidental) additional loading due to the presence of earth moving equipment adjacent to the tank. Ongoing certification is required and involves testing and audits to ensure that maintenance of the manufacturing process is occurring, and to monitor design change evolution.

Certification is an important step in assuring that customers continue to receive the very best in quality and service from Halgan Pty Ltd and our products. It ensures the implementation of a robust quality management system to guide and govern the company at all levels.



Halgan Modular Grease Trap - MGT

The Halgan Modular Grease Trap (MGT) is available in a range of sizes from 550 litre to 10000 litre capacity. Units can be joined side by side, or in a line, and installed in a number of combinations

The Halgan MGT can be installed freestanding, above ground or inground with medium and heavy duty lids. The Halgan MGT is designed to be upgradable for future expansion by adding on extra modules.



Halgan Modular Grease Trap "A" Series - MGT "A"

The Halgan Modular Grease Trap A Series (MGT "A" Series) is an additional design to the MGT series.

It is a single tank that is used for above ground only, installed freestanding (there is no need for a frame). The Halgan MGT "A" Series is available in a range of sizes from 1000 litre to 6000 litre capacity. HDPE Inlet Kit and DWV Kits supplied with each Grease Trap.





Halgan Modular Grease Trap "S" Series - MGT "S"

The Halgan Modular Grease Trap S Series (Halgan MGT "S" Series) has been designed to incorporate features to not only maximise performance, but to allow for enhanced servicing capabilities. The shape allows for solids and sludge to be captured in a purpose built servicing channel, whilst utilising the benefits of the existing Surge Control Device design. The Halgan MGT "S" Series has a Patented "Service Channel", designed for quick and easy servicing. The servicing channel has a connection for suction line connection.

A stand is also available for above ground applications.

Halgan Modular Grease Trap "R" Series - MGT "R"

The Halgan Modular Grease Trap 'R' Series is used in industrial and commercial applications. It includes our patented Surge Control Device for maximum efficiency.

The 'R' Series can be installed above or below ground, and is available in a range of sizes from 6000 litres to 22000 litres capacity.

Halgan Ecotec S100 Grease Extractor

The Ecotec S100 Grease Extractor is the smallest, lightest and most compact trade waste unit on the market. It is portable and installation costs are reduced by 70%. It fits through a doorway and 1 - 2 people can lift it.



Halgan Packaged Pump Stations

Packaged Pump Stations are used in a large range of applications where sewage or waste water needs pumping to/ from mains connection or treatment systems. Both the size of the Pump Station and the Pump/or Pumps used, are specific to what they are pumping, and what application they are being used in. For assistance with this, please discuss with our highly trained sales and support staff.



Halgan Ecotec Undersink Pump Unit is ideally used to pump waste water out of sinks. It is designed to fit under bench which reduces installation costs and ensures easy access for servicing.



Drainage Pump

For drainage of liquids with small solids in suspension Halgan Drainage Pumps are keeping basements dry, car parks drained and industry in production. These tough performers are built to the highest standard to guarantee a lasting investment.



Vortex Pump

For drainage of liquids with small solids in suspension Halgan Vortex Pumps are the ideal solution for pumping liquids with soft or fibrous solids in suspension. From residential dwellings to demanding industrial processes, Halgan Vortex Pumps perform quietly and solidly every day.



Sewage Cutter Pump

For sewage and wastewater containing soft solids Hyflow Sewage Cutter Pumps provide powerful and effective sewage disposal. The tungsten carbide cutting blade maintains optimum cutting efficiency. Hyflow Sewage Cutter Pumps are proven performers, ideal in installations containing soft or fibrous solids that require shredding to prevent clogging in discharge pipework.



Sewage Grinder Pump

For drainage of municipal, commercial and domestic sewage Halgan Sewage Grinder Pumps are a safe, dependable selection that will keep you pumping - trouble free, for years. With no compromise on engineering, quality or reliability, they are the tough solution for even the most demanding installations.



Halgan Inground Rainwater Harvesting and Reuse - Aqua 204

Rainwater tanks are a source of domestic and commercial water supply, that can significantly reduce demand on mains/drinking water supplies. Harvested rainwater has many uses and applications subject to appropriate treatment including, flushing toilets, irrigation, wash bays and many more.

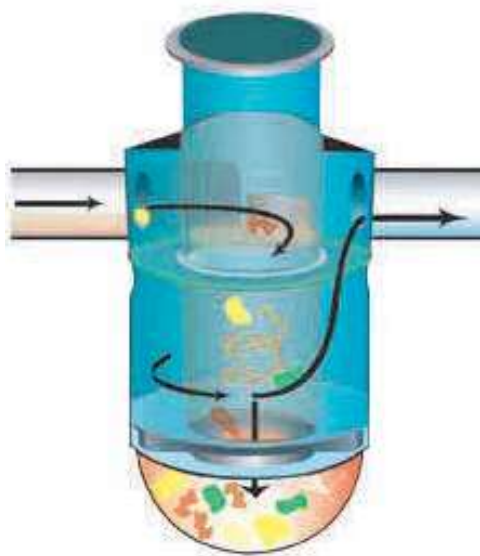
The Halgan Environmental Rainwater Tanks – Aqua 204 collects stormwater run-off from impervious surfaces such as roofs and hardstands. The Aqua 204 Series can be an effective addition when considering Water Sensitive Design (WSUD) principals and assist in achieving development water quality objectives (WQOs). The Aqua 204 is a twin walled High-Density Polyethylene (HDPE) unit which is robust, lightweight and can hold volumes up to 52,500 litres of rainwater. Installed with overflow outlet ensures inflow above capacity can return to trunk drainage system. These tanks are designed to take the weight of 11.5 tonne axle load limit when all installation conditions are adhered to. The product material is of food grade quality and can be utilised for drinking water applications when installed with the correct disinfection equipment.

Features

- Lightweight - Manufactured from High Density Polyethylene HDPE – Ensuring cost effective freight and ease of installation
- Sizes up to 52,500 litres
- Robust twin wall design
- Food grade safe material suitable for many reuse applications
- Various connection sizes from 100mm to 630mm
- Multiple pipe penetrations and manhole's locations available upon request
- Tanks can be installed in series lengthways or side by side using balance pipes to increase capacity

Applications

- Harvesting & Reuse
- Retention tanks
- Detention tanks



S Series Rainwater tank systems are the ultimate rainwater harvesting tool. Connect to toilets, washing machines and automatic sprinkler systems for a plentiful supply of water, or install with Granny Flats to comply with local planning authorities.

Rainwater Tanks – Aqua 204 is a double walled HDPE unit which is robust, lightweight and can hold up to 52,500 litres of water.

Halgan Environmental provides a comprehensive range of products for a sustainable future.

Stormwater treatment measures often require a treatment train approach to ensure improved environmental outcomes. Our turn key services adopt best management practices in line with Water Sensitive Urban Design (WSUD) objectives and principals. An industry leading manufacturer, Halgan Environmental also offer end to end services from design assistance, maintenance and servicing of our wastewater and stormwater treatment infrastructure.



Halgan Environmental Stormwater Quality Devices (GPTs) Feature

- Light weight design – Halgan Environmental Gross Pollutant Traps (GPTs) are manufactured from High Density Polyethylene (HDPE) ensuring cost effective freight and installation when compared to other concrete alternatives
- Continuous Separation Screening (CSS) – Vortex Separator
- Multiple pipe inlets of numerous orientations
- In-line or off-line applications
- High flow by-pass
- Hydrocarbon baffle





Halgan's Tap bollards come with a single tap, double tap bollard or bubbler combination.

The one piece design ensures they are safe, durable, low maintenance and long lasting.

Pre Treatment Devices



Pre-treatment of trade waste ensures discharged wastewater meets local Water Authority requirements, and prevents contaminants that can harm public health and the environment from entering our wastewater system.

Depending on the quality of the water to be treated, several processes could be required, including;

- screening
- diluting
- silt removal
- treatment
- cooling



Pre Treatment Devices



Averaging Dilution Arrestor, used for treatment of waste water where acids or alkaline are used.

Lint Trap is used for treatment of waste water from commercial discharges and is supplied with stainless steel perforated inlet strainer basket to trap lint.

Cooling Arrestor is used to cool the liquid waste water and provide a discharge to the sewer of not more than 38 C. The inlet and outlet design provide mixing of the waste water.

Silt Arrestor Tank (Settling Tank) is used for treatment of waste water from commercial discharge. The design is to slow the influent to allow contaminated water full of silt and other contaminants to settle before discharging into the sewer system.

The General Purpose Pit is designed to slow the influent and allow contaminated water full of silt, oil and other contaminations to settle before discharging to the sewer or stormwater system.

Hydrocarbon and Oil Interceptor is used for treatment of waste water from commercial discharges. It is designed to slow the influent to allow oil, grease and solvents to separate before discharging to the sewer system.



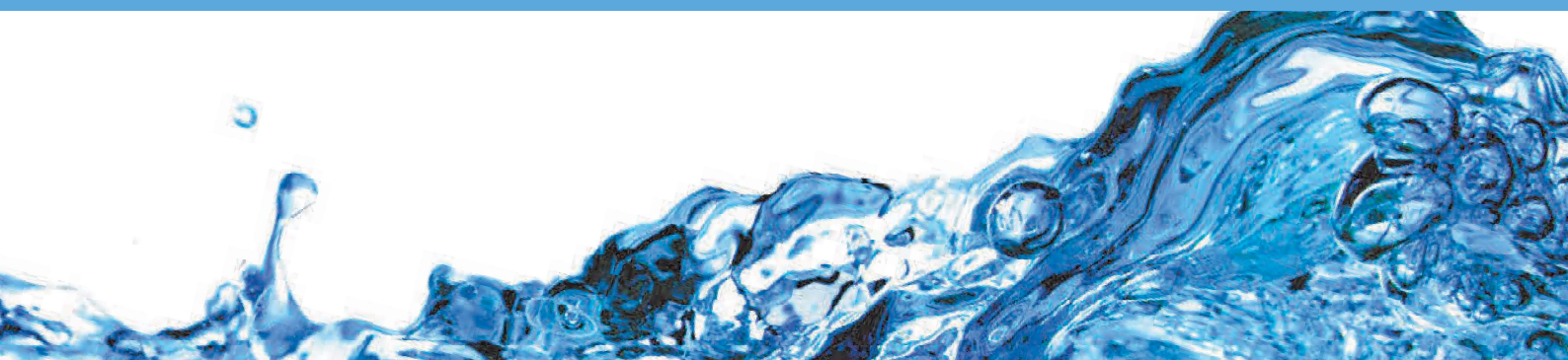
Oil Water Separator remove free oil from wastewater and stormwater, via coalescing plate separators. It is designed to receive and deal with residues of oily water produced in industrial and commercial applications.

Site Trap treats contaminated stormwater to meet current EPA requirements, specifically in the construction industry, it is designed for sediment control on construction sites where stormwater or ground water is trapped. It is portable, lightweight and can easily be moved from site to site.

Plaster Trap is used to trap plaster and other fine material in the waste water prior to discharging to the sewer system. The baffle arrangement maximises the trapping of particles. The unit is designed to fit under benches, reducing installation costs and providing easy access for servicing.

Clay Plaster Trap is used to trap plaster and other fine materials, and has a removable basket with an arrangement of weirs and deflectors to maximise the trapping of particles. It is designed to fit under benches, reducing installation costs and providing easy access for servicing.

Refer to your local Trade Waste Standards for correct sizing of all pre-treatment devices.





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ABN 69 064 448 157

Sales

sales@halgan.com.au

General Enquiries

info@halgan.com.au

www.halgan.com.au

CALL 1800 626 753

NSW

Wetherill Park:

10 Davis Road,
Wetherill Park
NSW 2164

P. +61 2 9939 8030

QLD

Brisbane:

141 Magnesium
Drive, Crestmead,
QLD 4132

P. +61 7 3208 8339

VIC

Pakenham:

20 Purton Road,
Pakenham,
VIC 3810

P. +61 3 5942 2900