

CleanaWater®




bulbeckgroup

Water Treatment Products

About Us

Helping you achieve sustainability with our advanced water treatment solutions

CleanaWater, part of the Bulbeck Group, boasts over 25 years of industry expertise in designing, manufacturing, installing, and servicing industrial and commercial water treatment systems. As a member of Bulbeck Group, who has a legacy of 75 years in delivering top-notch products, we prioritise sustainability, innovation, and service. Based in Newcastle, NSW, our mission is to foster a sustainable future for Australia through water treatment solutions.

Renowned for our leadership in wastewater treatment, management, and systems, CleanaWater offers high-quality solutions tailored to your needs. Originating in Melbourne, our reach now spans across Australia, delivering wastewater treatment units engineered for performance, economy, and user-friendliness. Our comprehensive range includes both custom-built and off-the-shelf units approved by major water authorities.

How we help you

- ◆ Help you meet water authority regulations
- ◆ Full service – equipment design, supply, installation, maintenance, repairs and after-sales support
- ◆ Providers of eco-friendly wastewater treatment
- ◆ Decades of expertise and experience
- ◆ Custom or plug-and-play systems engineered for performance, economy and ease of use
- ◆ Competitive wastewater treatment system prices



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Wash Bays that Offer Convenience of Portability

Need a wash area that's up to local authority standards? CleanaWater's modular wash bay equipment will help you meet their strict criteria. Our modular wash bay equipment can be transported to your site as a plug-and-play system that's ready to go. Or we can design and build one that's perfectly suited to your site.



3 x 6500 decks, 8 ramps, walls on 2 sides, dome shelter, AQIS filter

Common Applications

- ◆ Garages and workshops
- ◆ Public car washes
- ◆ Mine sites
- ◆ Construction sites
- ◆ Commercial hire centres
- ◆ AQIS facilities
- ◆ Shipping container and ISO container wash-down
- ◆ Freight terminals
- ◆ Import yards
- ◆ Export yards

Why choose CleanaWater's modular wash bays?

CleanaWater supplies portable systems for all wash down areas. Whether you require an off-the-shelf unit or a custom-designed solution, you'll benefit from our 20+ years of wash bay expertise across a wide range of industries.

With no excavation required, our modular wash bays are ideal for temporary sites – or where site modification is not permitted. They are fully relocatable and so can be quickly decommissioned, moved and re-installed. They're also flexible and adaptable for AQIS wash down or water recycling purposes.

What is the benefit of a modular wash bay?

The primary benefit of a modular wash bay is its compliance to regulations and its protection of the environment while still being re-locatable. This allows businesses to focus on their core activities with a sense of confidence that they have fulfilled their duty of care under the law, and that they have taken all reasonable and practical steps to avoid causing environmental harm.

There are also several practical benefits of wash bays. A well-designed wash bay meets the needs of a business by making it easy to wash vehicles or equipment. Water supply points deliver high pressure water all around the vehicle and detergent is applied automatically. The quality of cleaning from a well-designed wash bay is far superior to a manual operation which is inadequate in design and equipment.

Why are they used?

CleanaWater's range of modular wash bays are installed to provide a compliant wash bay zone that meets water authority requirements. Wastewater is captured from the cleaning process and treated through an oil-water separator before being sent to sewer. The mobility of the system eliminates the need for any in-ground works, making them the best solution for sites where ground disturbance is prohibitive or where there is a possibility of future relocation.



4 x 6500 decks, 5 ramps, walls on 3 sides, oil water separator, sludge tank, stormwater diversion

Features

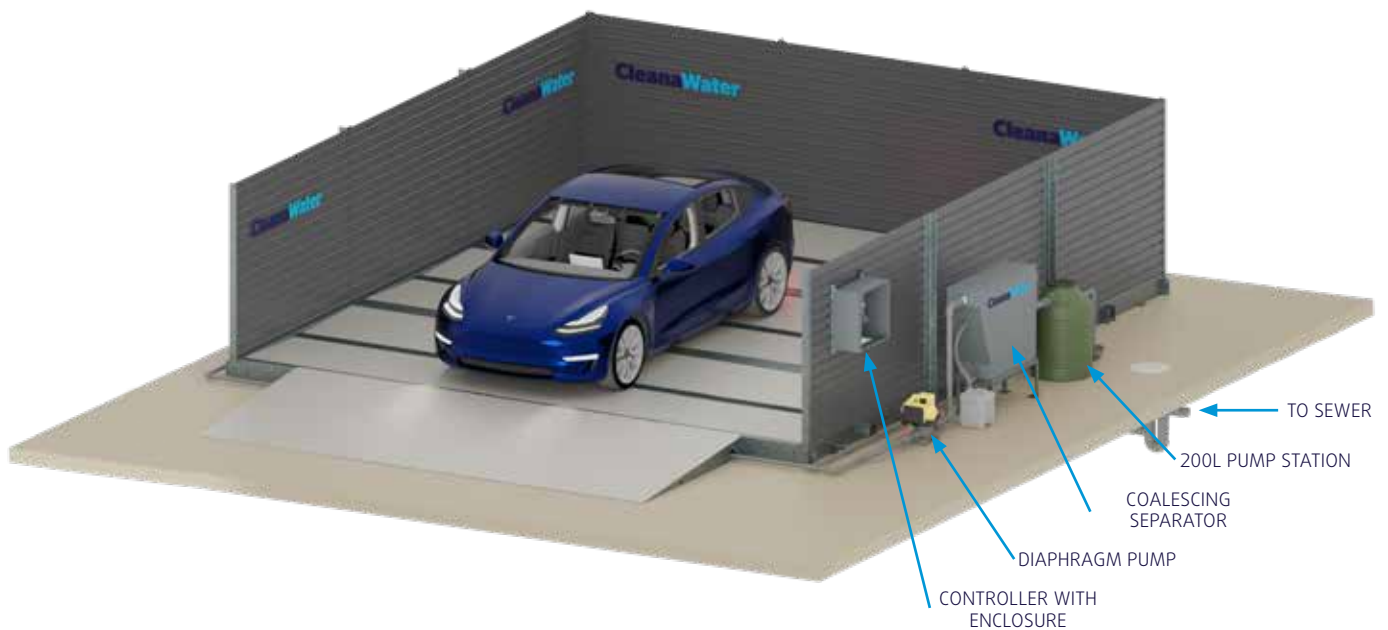
- ◆ Robust construction can carry weight loads of up to 12 Tonne per axle
- ◆ Wind loaded rated walls which cater to most environments across Australia
- ◆ Hot-dip galvanised steel protects the structure from the harsh Australian environment
- ◆ A specially selected non-slip polyurethane coating is pre-applied to the deck & ramps to improve safety and prevent slipping
- ◆ Watertight construction ensures no leaks and no contamination of surrounding ground area
- ◆ External water connection ports ensure no leaks between ground modules

Benefits

- ◆ Turnkey packages available - quick and easy to install
- ◆ Can be quickly and easily assembled and disassembled for transportation
- ◆ A great solution for any business leasing a facility
- ◆ No need for in-ground services/infrastructure
- ◆ Authority-compliant – avoid fines and shutdowns
- ◆ Bespoke units available to fit your exact needs
- ◆ Compatible with additional water treatment equipment

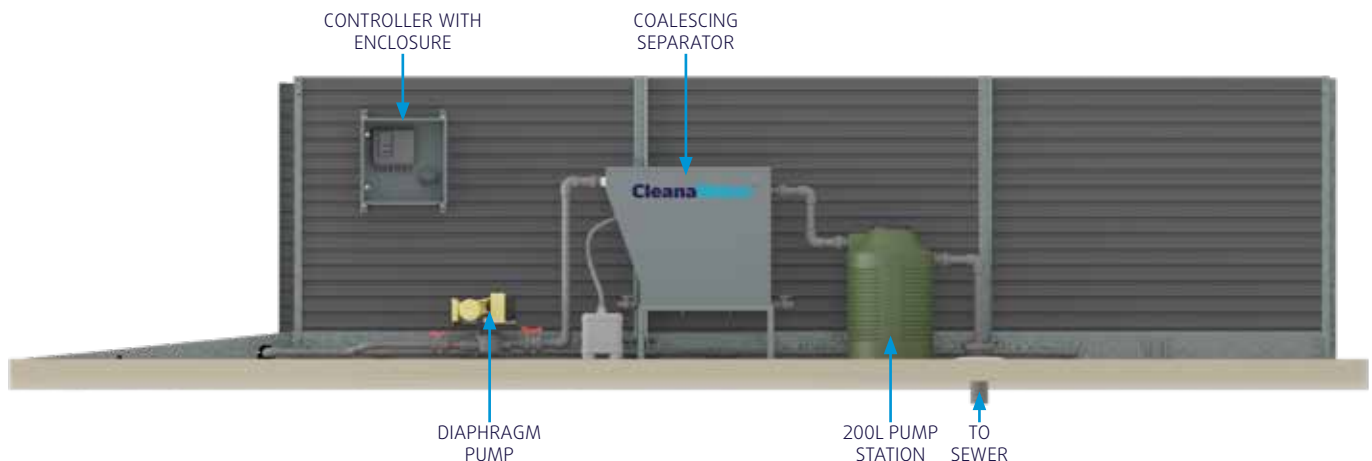
How do they work?

Water-resistant galvanised steel floor decks are placed together to create a wash bay platform where vehicles and equipment can be positioned for cleaning. Wastewater from the cleaning process is collected in specially designed water troughs for further processing. Side walls prevent water from being sprayed outside the wash bay zone. Drive-on ramps are attached to the entry and exit sides of the wash bay to enable vehicles and equipment to be easily moved on and off the wash bay platform.



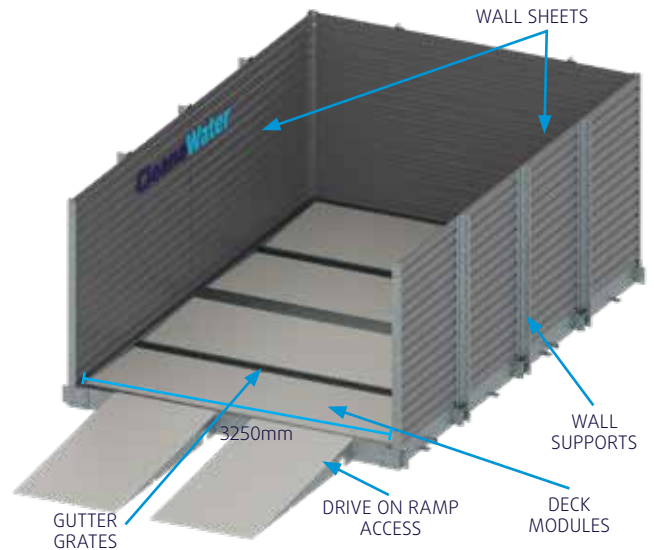
Typical Layout Detail

Systems are generally set up to capture wastewater from the process of cleaning vehicles (cars, trucks and excavators) and equipment such as mechanical parts. The wash bay floor decks come in three different sizes and can be orientated in such a way to cater for an array of sites and applications. Wash bays can be installed with a pump, controller, oil water separator and pumping station for transfer to sewer, if required.

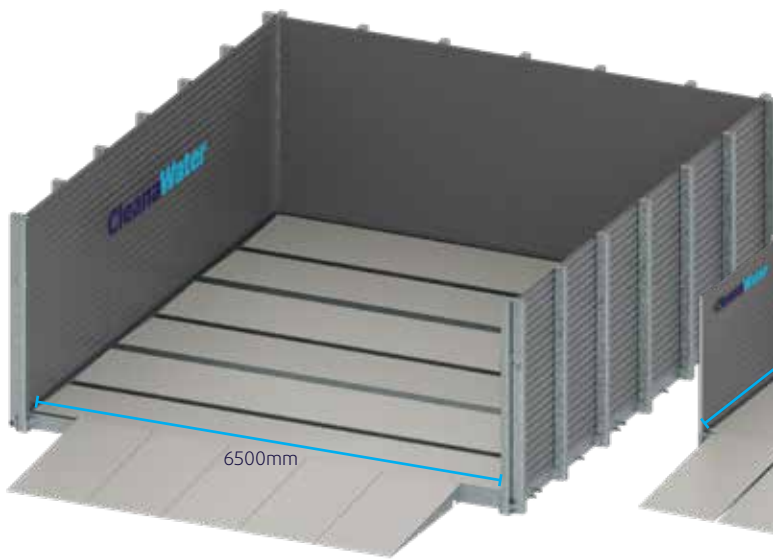


Standard Inclusions List

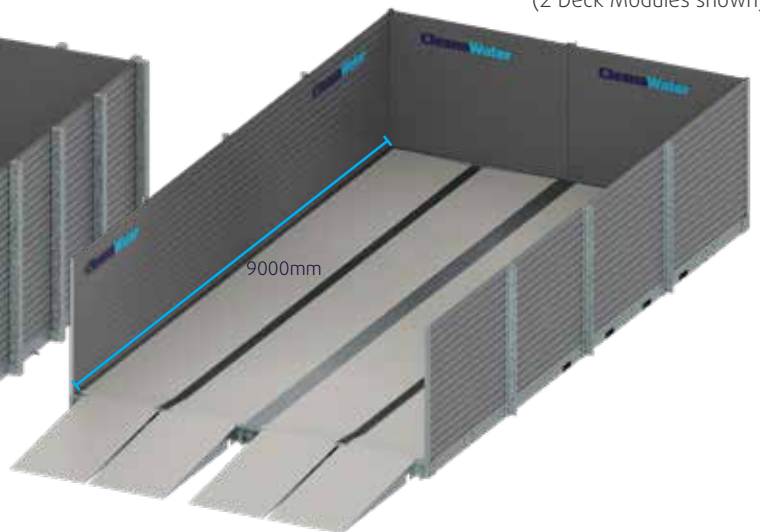
Item	
Galvanised Steel Deck Modules	✓
Galvanised Steel Wall Sheets	✓
Galvanised Steel Ramp	✓
Galvanised Steel Wall Supports	✓
Galvanised Steel Gutter Grates & Trash Screens	✓



Standard Duty Portable Wash Bay 3250mm
(2 Deck Modules shown)



Heavy & Light Duty Portable Wash Bay 6500mm
(3 Deck Modules shown)



Heavy & Light Duty Portable Wash Bay 9000mm
(2 Deck Modules shown)

Model	Width	Length
Standard Duty Wash Bay 3250mm	2400mm	3250mm
Heavy & Light Duty Wash Bay 6500mm	2400mm	6500mm
Heavy & Light Duty Wash Bay 9000mm	2400mm	9000mm

* Full specifications available, contact CleanaWater



Roofed options available

Case Study: Modular Wash Bay for Coates

Coates, Australia's leading equipment hire and solutions provider, approached CleanaWater with the need for a wash bay at their new premises in Muswellbrook. As an industry leader, Coates aims to ensure the cleanliness and optimal condition of their equipment and offer quality service to their customers. The decision to opt for a modular wash bay solution was driven by considerations of cost-effectiveness, flexibility, and environmental impact.



The Challenge

Coates faced the challenge of obtaining a wash bay that met environmental requirements, ensured compliance, and was cost-efficient. The complexity increased with the need for approvals, especially in acquiring the trade waste permit. Additionally, Coates wanted to ensure their wash bay was able to be packed up and moved to a new premises if the need arose.

The Solution

The modular wash bay solution offered by CleanaWater was not only cost-efficient but also aligned with environmental and compliance standards. The commitment to managing all compliance and administrative aspects played a significant role in Coates' decision to choose CleanaWater.

What CleanaWater Did

Our team worked closely with Coates to design a wash bay tailored to their requirements. Regular team meetings and effective communication streamlined the process, particularly in dealing with the complexities of obtaining council approvals. The wash bay, a 9.6m by 6.5m structure with four decks, Colorbond walls on three sides, five ramps, a TS3000SS coalescing oil water separator, a sludge tank, dome shelter, and stormwater diversion, was custom-built to accommodate a variety of equipment, including access equipment, small compaction equipment, and general hire equipment used predominantly in mining operations. The full turnkey service provided by CleanaWater ensured that Coates had a seamless experience from design discussions to the final product.

David Bradley, the regional manager at Coates, expressed satisfaction with the end product and the overall experience of working with CleanaWater. The modular wash bay not only met their immediate needs but also offered the flexibility to adapt to future changes in premises.

Authority Compliant Oil Water Separators

CleanaWater provide a range of coalescing oil water separator systems encompassing various treatment systems suitable for industrial and commercial applications ranging from small workshop applications to large scale oily water treatment plants.



Our oil water separator systems are engineered for superior removal of oil from water. With systems available from 1,000L to 5,000L nominal flow rate per hour, as well as High Level Alarm and Intrinsically Safe models available, we have a oil water separator for every application.

Our separators help you meet water authority standards, saving you on costly fines and shutdowns – as well as ensuring you meet your Environmental Duty of Care.

They're pre-plumbed, pre-wired and designed to fit existing infrastructure – saving on installation time.

Plus, CleanaWater can conduct service and maintenance to suit your needs, ensuring your oil water separator system delivers optimal performance for decades to come.

Applications that commonly use oil water separators

- Small to Large Industrial & Mechanical Workshops
- Mining Workshops
- Mining LV/HV Wash Down Bays
- Refuelling Areas
- Construction Sites
- Commercial Car Washes
- Service Stations
- Vehicle & Equipment Wash Bays
- Truck & Heavy Vehicle Wash Bays
- AQIS Wash Down Facilities
- Hire Equipment Branches

CleanaWater's TS series oil water separator range remove free oils, grease and hydrocarbons from waste water and are commonly used in all industrial applications to adhere to strict discharge standards.

What are oil water separators?

An oil water separator is a device used to treat wastewater. It removes oils, grease and hydrocarbons, leaving only the non-hazardous water. The wastewater can then be disposed of safely into the sewer. They are used for varying commercial and industrial applications.

We will get your systems compliant

CleanaWater's range of oil water separator packages are authority compliant to meet strict discharge standards or act as primary treatment to enable water recycling. Hydrocarbon treatment systems discharge to 30mg/L of hydrocarbons to enable sewerage, stormwater or environmental discharge.

Which oil separator is best for me?

Flow rates, industry application, oil concentrations, performance requirements, and space are to be considered when selecting the best oil water separator for your requirements. Contact us today to discuss the oil water separator to best suit your requirements.



CleanaWater TS4000 SS Oil Water Separators x 2, HV Wash bay



CleanaWater Oil Water Separator Package

- ✓ Authority compliant
- ✓ Quarantine approved

Our coalescing separators are designed to comply with all discharge standards for oil and grease removal.

They're quickly and easily installed, so your system will be up and running almost as soon as you take delivery.

We offer complete, compact systems ideal for limited space. And they're supplied with non-emulsifying pumps, float switches and controllers – everything you need to get up and running.

Available in stainless steel and polyethylene, our range is designed with total flexibility in mind – so there's a model to suit every operation's needs and budget.

The units' automated operation requires no consumables – saving on material costs. And they're easily maintained, saving on running costs and ensuring minimal downtime for your operations.

Features & Benefits of CleanaWater Coalescing Oil Separators

- Complete Packages including Non Emulsifying Pumps, Float Switches and Controllers
- Large Range from 1,000 to 5,000 litres per hour
- Available in stainless steel and polyethylene to suit all budgets
- Automated operation
- WSAA Appraised (Appraisal No TWA1114)
- Approved and appraised by major water and regulatory authorities
- Range includes systems to suit all budgets
- Easy and quick to install
- Minimal maintenance required
- Compact systems ideal for outdoor installations



STAINLESS STEEL



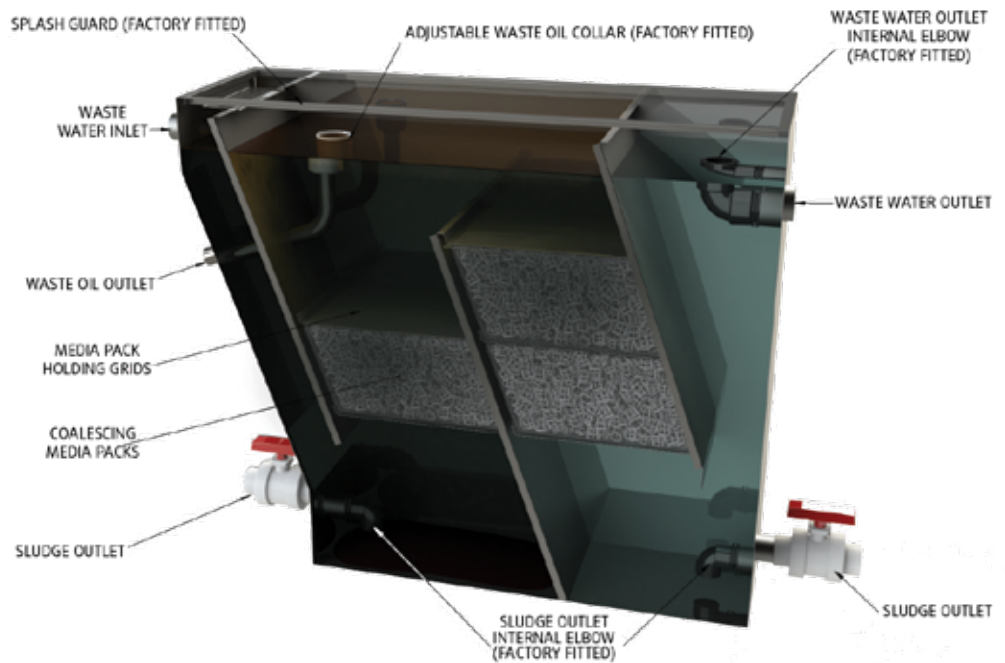
POLYETHYLENE

MODEL	DIMENSIONS	NOMINAL FLOW RATE (L/hr)	OIL SEPARATOR CONSTRUCTION
TS5000 SS	1200mm L X 730mm W X 990mm H	5000	Stainless Steel
TS4000 SS	1200mm L X 730mm W X 990mm H	4000	Stainless Steel
TS3000 SS	1200mm L X 730mm W X 990mm H	3000	Stainless Steel
TS2500 SS	1200mm L X 370mm W X 990mm H	2500	Stainless Steel
TS2000 SS	1200mm L X 370mm W X 990mm H	2000	Stainless Steel
TS1500 SS	1200mm L X 370mm W X 990mm H	1500	Stainless Steel
TS1000 SS	1200mm L X 370mm W X 990mm H	1000	Stainless Steel
TS2500 PE	1349mm L X 360mm W X 980mm H	2500	Polyethylene
TS2000 PE	1349mm L X 360mm W X 980mm H	2000	Polyethylene
TS1500 PE	1349mm L X 360mm W X 980mm H	1500	Polyethylene
TS1000 PE	1349mm L X 360mm W X 980mm H	1000	Polyethylene

High Level Alarm and Intrinsically Safe ranges are available

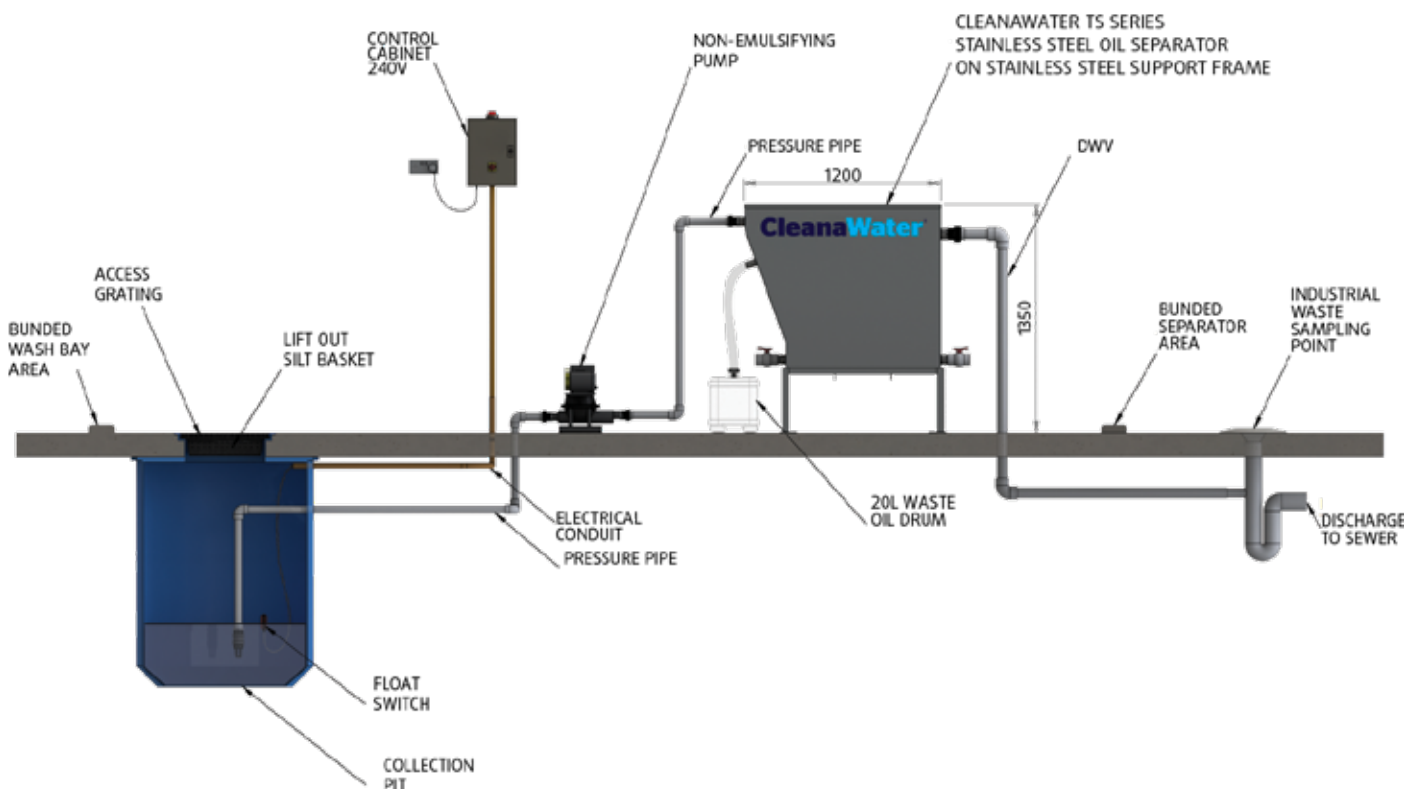
How do they work?

Coalescing media packs are positioned in two stages to force free oil droplets to collide with the surface of the media. Upon impact the droplets rise to the surface and are skimmed off into a waste oil container.



Typical Layout Detail

Systems generally are setup to pump oily water from a sump or tank for treatment and discharged to sewer, leach drains, evaporative ponds or holding tanks. Contact CleanaWater to discuss your application.



Automatically Divert Wastewater with First Flush Diversion Systems

Why are they used?

CleanaWater's range of First Flush Diversion Systems are commonly installed to unroofed wash down areas, refuelling areas or contaminated hardstand areas to automatically divert wastewater for treatment and subsequent rainwater to stormwater.

Features

- ◆ Single pit automated system
- ◆ Normally open technology to maximise valve life
- ◆ No human interaction is required, totally automated process
- ◆ Suits open areas open to rainfall of all sizes
- ◆ Available for light vehicle areas and heavy duty applications such as container parks and aviation
- ◆ Hazardous area compliance packages available
- ◆ Easy to maintain systems, minimal maintenance required
- ◆ No consumables required

Benefits

- ◆ Full compliance with EPA, DERM, DAFF and trade waste regulations
- ◆ Minimal footprint, save on installation costs vs traditional systems
- ◆ Avoid compromising the daily operations of your company
- ◆ Avoid costly fines from authorities
- ◆ Automated operation with no ongoing consumable costs
- ◆ One off purchase, average working life 20+ years
- ◆ Cost effective alternative to erecting a large roof over an area

Do I need a Diversion System?

Most regions in Australia require stormwater diversion systems if they have an unroofed wash down area that is over 20m². Some areas do not require a stormwater diversion system and sites such as remote mining sites will allow for rain events in their water storage capacity. Contact CleanaWater to discuss how your unroofed wash down bay water should be managed.



Common Applications

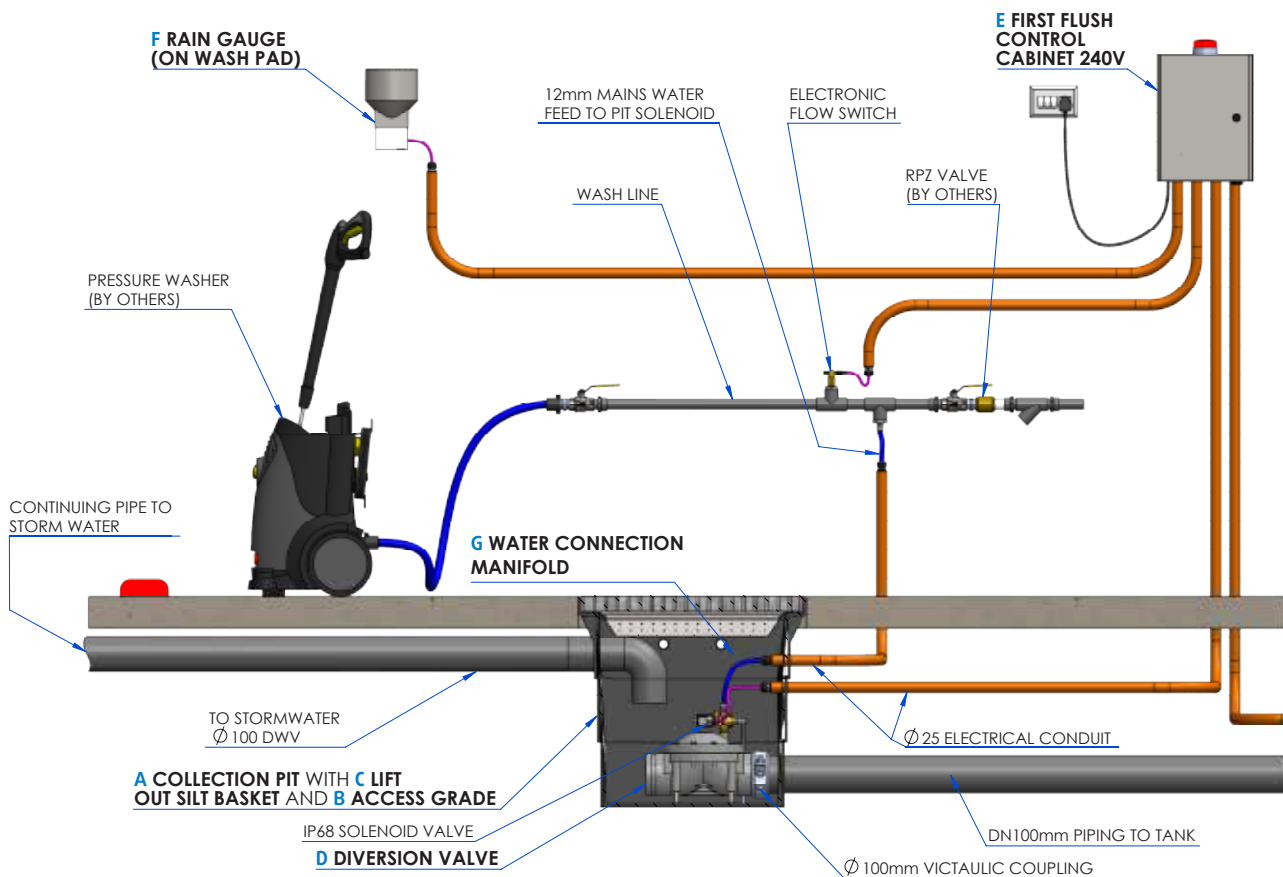
- ◆ Unroofed Wash Down Bays
- ◆ Airport and Airplane Wash Down Bays
- ◆ Construction Sites
- ◆ Vehicle and Equipment Wash Bays
- ◆ AQIS Wash Down Facilities
- ◆ Large Industrial and Mechanical Workshops
- ◆ Refuelling Areas
- ◆ Transformer Bunds
- ◆ Truck and Heavy Vehicle Bays
- ◆ Hire Equipment Branches

Standard Inclusions List

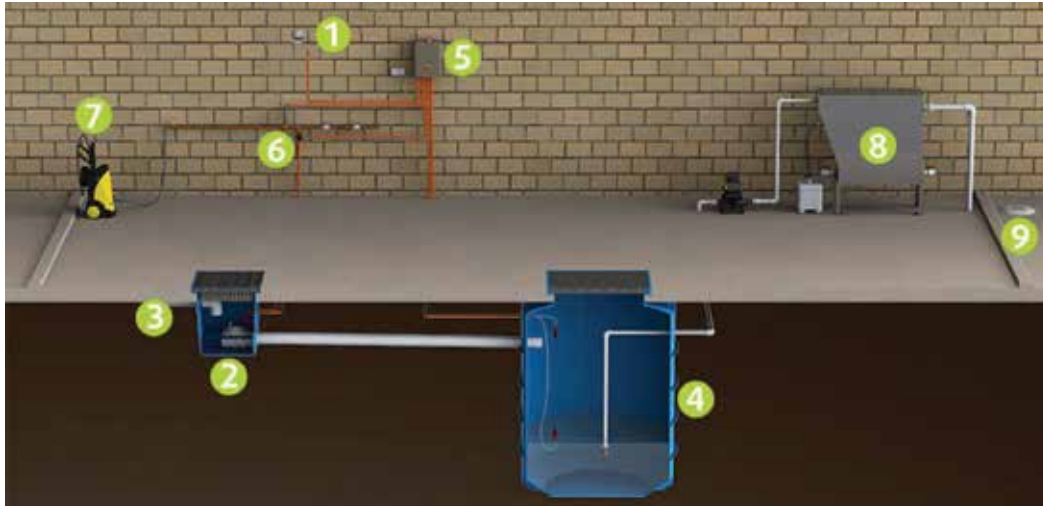
Item	Included
A CleanaWater Diversion Pit 600mm x 600mm x 600mm (pre-plumbed)	✓
B Class D Access Grate	✓
C Stainless Steel Silt Trap	✓
D CleanaWater Diversion Valve	✓
E Control Panel 240v	✓
F Rain Gauge	✓
G Water connection manifold including flow switch and actuator	✓



*Additional accessories available to suit your specific application, components not listed are not included. Contact CleanaWater to discuss your requirements.



How do they work?



Number	Description
1	Rain gauge is activated
2	All wash water is directed to the CleanaWater Diversion Pit
3	Diversion valve shuts allowing discharge to stormwater after 10mm or programmed rainfall amount is exceeded
4	Diversion valve open allows contaminated water to flow into main collection pit for further treatment and discharge to authorised discharge point
5	Control panel controls the actuation of the diversion valve and/or treatment system if applicable
6	Water connection manifold is connected to the diversion valve enabling open/close operation. Valve is electrically or pneumatically actuated depending on the application
7	For wash pad applications the pressure washer (supplied by others) resets the diversion valve when a wash operation occurs
8	Oil separator treats contaminated water prior to discharge. Commonly paired with diversion systems for a total water treatment solution
9	Water is treated and discharged to sewer or approved discharge point

Specifications

Model	SMARTDIVERT		
System Info			
Dimensions (Pit)	600mm long X 600mm wide X 600mm deep		
Silt Trap	Stainless Steel/Galvanized	First Flush Controller	240V 10A
Access Grate	Class D	Valve Actuator	1/4" BSP, 24V DC
Water Connection Manifold	1/2" BSP	Valve Actuation Method	Rain Gauge

Save On Mains Water Use with Water Recycling Systems

CleanaWater's Water Recycling Systems are engineered for industrial process, commercial car washes, industrial vehicle and equipment wash down applications.

Features of CleanaWater Water Recycling Systems

- ◆ Water recycling systems available from 1,000 litres per hour
- ◆ Remote monitoring systems available, our water treatment engineers monitor all aspects of flow and performance from our office
- ◆ Closed loop systems for zero liquid discharge available
- ◆ Free standing, skid mounted or containerised to suit your site requirements
- ◆ Various treatment and filtration technologies to remove contaminants from water
- ◆ Engineered specifically for your individual requirement
- ◆ Ongoing sales support and service ensuring your system is working efficiently



Turnkey Wash Down Bay Solutions

CleanaWater utilise the latest in filtration technologies to provide high quality water recycling systems. Turnkey systems incorporating rainwater harvesting systems, header tank systems and in bay water source selector switches are available to fulfill your entire wash down needs. CleanaWater provide complete support from system design to site installation.

Immediate Water Usage and Disposal Cost Savings

CleanaWater's range of water recycling systems start paying you back immediately. Approximately 80% of water use can be recycled for ongoing use. Losses occur from evaporation and are often topped up by CleanaWater rainwater harvesting systems to provide an additional cost saving.

Save on mains water use, wastewater removal and disposal

CleanaWater's water recycling systems offer immediate ongoing savings on mains water use – and wastewater transportation/disposal. Our systems allow you to process run-off water on site for re-use, reducing environmental impact.

Ideal for a wide range of industries, our recycled water systems exceed all required standards. And thanks to our unrivalled expertise, we can supply a custom system exactly suited to your site's requirements.



CleanaWater Closed Loop Water Recycling System

Benefits of CleanaWater Water Recycling Systems:

- ◆ Immediate return on investment
- ◆ Protect yourself from rising mains water and trade waste disposal costs
- ◆ Reduce Your Companies Environmental Footprint
- ◆ Systems designed to suit individual site requirements
- ◆ Low cost entry level systems available
- ◆ Minimal consumable and ongoing running costs
- ◆ Federal and state government award winning systems



3,000L/hr Water Recycling System

Common Applications

- ◆ Wash Bays
- ◆ Small to Large Industrial & Mechanical Workshops
- ◆ Mining LV/HV Wash Down Bays
- ◆ Construction Sites
- ◆ Commercial Car Washes
- ◆ Vehicle and Equipment Wash Down Bays
- ◆ Truck and Heavy Vehicle Bays
- ◆ AQIS Wash Down Facilities
- ◆ Hire Equipment Branches
- ◆ Industrial Crate Washing Systems



CleanaWater Multi-purpose Water Recycling System in 40ft Shipping Container

Rainwater Harvesting Reduces Mains Water Costs

CleanaWater's rainwater harvesting systems capture rainwater from rooftops and hardstand areas for use in various applications typically served by mains water.

Integrate Rainwater Harvesting in Your Next Project

With increasing the costs of mains water, it's essential to find alternative solutions. CleanaWater offers flexible options for rainwater harvesting, allowing you to utilise your site's roofed areas as dedicated catchment zones, ensuring water savings. Incorporating rainwater harvesting and water-saving measures is now standard practice for environmental sustainability. CleanaWater provides comprehensive rainwater treatment and processing systems, including PLC pump delivery systems, to support all aspects of rainwater storage and transfer. Retrofit your current site or include these solutions in your next site design for optimal water management.



Features and Benefits of Cleanawater Rainwater Harvesting Systems:

- ◆ Scalable systems ranging from 1,000 – 1,000,000+ litres
- ◆ First Flush adaptable
- ◆ Automated treatment systems
- ◆ Skid mounted and portable
- ◆ Dedicated solids, organic, and disinfection systems with no consumables
- ◆ Flexible below ground or above ground options
- ◆ PLC or manual controlled systems
- ◆ Low cost alternative to water recycling systems
- ◆ Slash your mains water usage costs
- ◆ Adheres to ISO environmental policies for zero mains water usage
- ◆ Ideal for remote areas where water services are not available
- ◆ Flexible layout options to suit all sites
- ◆ Complements your RO or water recycling systems
- ◆ Low system procurement and ongoing running costs



Common Applications

- ◆ Wash bays
- ◆ Manufacturing or processes that require large amounts of water
- ◆ Water for Irrigation or Site Watering
- ◆ Water for use in mining & dust suppression activity
- ◆ Top up source water for recycling systems

Collect and store surface water

We supply collection pits as part of a complete solution to compliment our wide range of water treatment equipment.

CleanaWater collection pits are ideal for various applications, including surface water removal, wastewater collection, and water storage where above-ground space is limited. Available in sizes from 600L to 6500L, these in-ground pits can handle any operation size and type. We offer a full solution with a range of covers, grates, and pumps to suit your specific needs, ensuring effective management of multiple water sources for single discharge or transfer.



6500L CARAT TANK



4800L CARAT TANK



3750L CARAT TANK



2700L CARAT TANK



1200L SAPPHIRE TANK



900L SAPPHIRE TANK



600L SAPPHIRE TANK

MODEL	DIMENSIONS	TOTAL HEIGHT
600L SAPPHIRE TANK	1125mm D	1045mm
900L SAPPHIRE TANK	1155mm D	1345mm
1200L SAPPHIRE TANK	1155mm D	1670mm
2700L CARAT TANK	2080mm L X 1565mm W	2010mm
3750L CARAT TANK	2280mm L X 1755mm W	2200mm
4800L CARAT TANK	2280mm L X 1985mm W	2430mm
6500L CARAT TANK	2390mm L X 2190mm W	2710mm

Common Applications

- ◆ Wash bays
- ◆ Sewerage pump stations
- ◆ Storm water transfer station
- ◆ Collection facility for multiple storm water outlets
- ◆ Domestic storm water discharge and/or transfer
- ◆ Car washes
- ◆ Municipal applications
- ◆ Caravan parks

Additional Solutions

Explore our diverse range of additional equipment designed to enhance efficiency and effectiveness across various industrial and environmental applications.

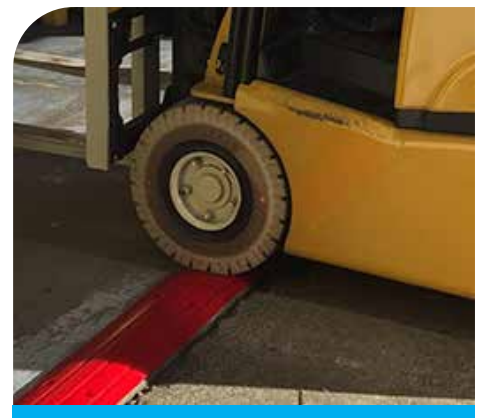
Mini Drum Skimmer

Our Mini Drum Skimmer is a compact solution for efficiently removing light oils such as lube oil, hydraulic fluid, diesel, and sheens from marinas, ponds, streams, and small industrial tanks. Powered by a 12V motor, it offers versatile operation options, running smoothly on a car battery or a 110V/220V outlet, with the potential for solar panel connection. Its quiet operation and small size make it perfect for tight spaces like dams and pits. Constructed with a durable High-Density Polyethylene (HDPE) frame and equipped with rear and side floats, this skimmer ensures stability during operation. The skimmer head features two 6-inch diameter drums driven by a variable speed motor, facilitating efficient oil recovery. Additionally, an optional external suction pump is available for enhanced performance. Each skimmer comes complete with a 12V regulator, battery clamps/plug, and two lengths of ¾-inch drain/suction hose.



ULTRA-BUND® Floor Bunding

Our ULTRA-BUND® Floor Bunding, made from heavy-duty urethane, provides robust secondary containment for hazardous substances in workshop environments. With permanent installation using strong sealant/adhesive and dynabolts, it ensures reliability under challenging conditions. Featuring a curved profile to reduce load disturbance and top channels for minimal slippage, ULTRA-BUND® prioritises safety. Easy installation is facilitated by pre-moulded corners, with installation components available as kits or individually.



Detergent & Degreaser

Our versatile range of detergents and degreasers offers quick break and biodegradable properties for various cleaning needs. Our workshop-ready degreaser is compatible with all Oil Water Separators and requires no mixing. Approved for AQIS Meat and Food Transportation, our truck wash detergent effectively removes stubborn grease and grime while remaining heavy-duty. For parts washing, our solvent-free detergent provides an economical and environmentally friendly solution. Additionally, our degreaser concentrate is ideal for heavy-duty industrial applications. Our truck wash and wax leaves a sparkling polished finish, while our mint grit hand cleaner moisturises and softens skin, suitable for domestic and commercial use.



Additionally, we offer a range of other great products that may be tailored to suit your specific needs.

CleanaWater®

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CleanaWater®

SpillPro®

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