



Atlan

STORMWATER

CORPORATE PROFILE

Joy in water

DESIGN

PLAN

REPORT

- Fast preliminary system sizing
- Recommended configurations
- Storage volume calculations
- Designed for local stormwater requirements
- Interactive 3D visualisation
- Generates reports ready to share
- Revisit, edit and compare designs anytime



Specify with confidence. Size with precision.

Access the MyAtlan engineering hub to streamline the design of your stormwater quality & quantity assets. Explore sizing, configurations, and stormwater performance outcomes with Atlan's suite of intelligent online design tools and calculators.

Whether you're exploring options for treatment infrastructure or On-site Stormwater Detention (OSD) systems, our calculators provide fast, practical recommendations – engineered for performance to help move your project from concept to specification.

ATLAN.CO.NZ/MYATLAN



Scan and start
planning today.



Since 1972 we have designed, tested and manufactured water treatment systems that are utilised in over 40 countries.

Detailed product information is available online
atlanstormwater.com

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International Experience

At Atlan Stormwater, we draw on more than 50 years' experience in the design, testing and manufacture of water treatment systems that are utilised in over 45 countries.

We manufacture solutions in Australia and New Zealand and export our technologies around the world. All products comply with relevant industry standards. Our team is committed to ongoing field and laboratory testing of the products to independently verify performance. Our products have been designed for and installed in the following applications:

- Air, sea and land transport infrastructure
- Commercial and residential developments
- Defence
- Energy
- Mining
- Petroleum industry

Efficient Products, Tailored Service

Our focus is on providing highly efficient treatment products for stormwater and wastewater applications. Our unique combination of technical experience and product design provides to our customers an organisation that includes:

- Engineering design
- Manufacturing
- Installation
- Commissioning
- Operational monitoring
- Maintenance

Atlan Stormwater treatment solutions vary from systems based on proven engineering principles through to flexible biological processes. Our diverse range of products provides our customers with various options to achieve their water quality objectives that suit their project timelines, budgets & site constraints.



Innovation

Atlan locally designs & manufactures quality sustainable stormwater solutions to meet your on-site requirements.



Design Assistance

Our team provides design assistance from engineering guidance to site specific drawings.



Sustainability

Green & sustainable stormwater solutions. Working towards a cleaner water future for all is our core purpose.



Education

Our CPD Library is available on-demand and helps develop knowledge in the stormwater sector.



As family owned business, established in 1972, we have worked hard over the decades to maintain our position as Australia's leading stormwater specialist.

Working with councils, engineers and contractors we build risk-free, clean water solutions for the future.

Our products and services cater for every project, and our experienced team provide advice and support in sales, delivery, installation and maintenance.

We are the innovators and problem solvers of the industry, with an investment in collaborative research and development that sets the standards for others to follow.

Removing contaminants and gross pollutants from water is an ongoing challenge, and finding cost-effective, high-performance solutions is our goal.

Building a happy, healthy future for you and your family is our purpose.



Joy in water

What is Joy in Water?

Whether it's ice cubes cooling your drink, building sand castles at the beach or exploring the waterways and estuaries in your kayak, the joy we experience from clean water is precious – and it's worth fighting for.

12 million tonnes of plastic enter our water system each year, killing marine life, impacting our climate and ecosystem, and finding its way into our food and drinking water. Without drastic change, these numbers will continue to rise.



What do we do at Atlan?

We stop plastic and gross pollution from entering our streams, rivers, bays and seas.



Why do we do it?

We believe that clean waterways are a right, not a privilege.



Who are we?

At Atlan we are Zero Pollution Ambassadors ensuring a Joy In Water experience for you with your family and friends.



How do we do it?

By installing and maintaining independently tested stormwater treatment devices in the source catchment. Doing this we protect marine life and your Joy In Water experiences from the streams to the seas.

Sustainability & Product Certification

At Atlan, sustainability is more than a statement — it's a science-backed promise. Every product we design, and every project we support, is grounded in environmental responsibility, transparency, and continuous research and development.

From product-level certifications such as SQIDEP, EPD and TAPE verification, to our corporate-level ESG commitments, Atlan Stormwater assists councils, engineers, and developers in building infrastructure that not only performs — but protects our waterways for future generations.



COMPLIANCE

Meet procurement, environmental and compliance requirements with verified products.



SUPPORT ESG

Support ESG, sustainability, and Green Star objectives across projects and organisations.



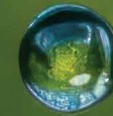
LIFECYCLE IMPACT

Reduce lifecycle impact through efficient, evidence-based design.



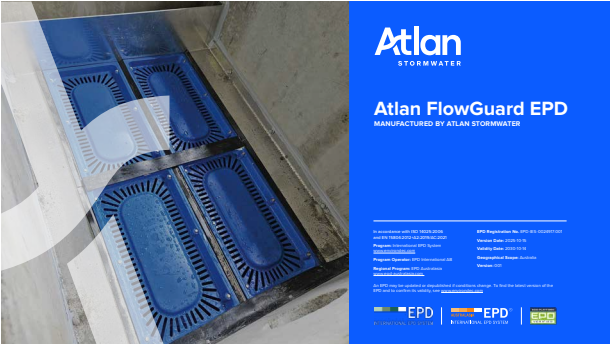
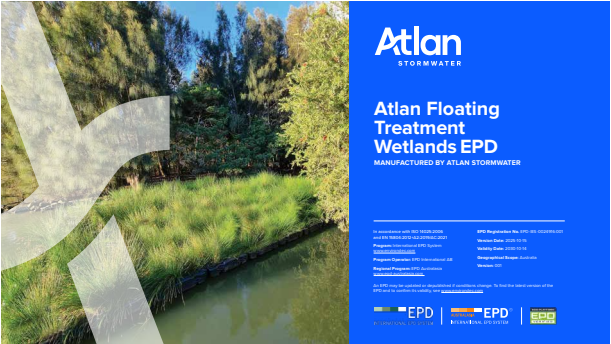
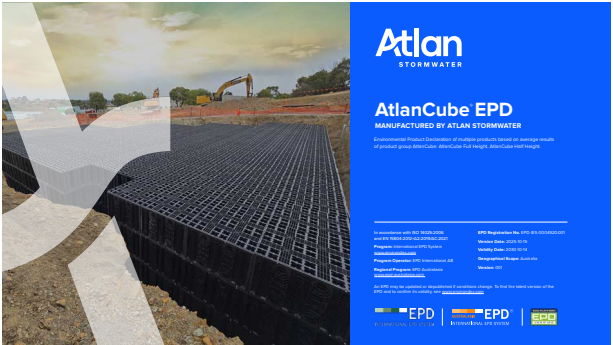
COMMUNITY TRUST

Build community trust by choosing solutions proven to protect the environment.



Environmental Product Declarations (EPDs)

Our Environmental Product Declarations (EPDs) are independently verified and registered documents that communicate transparent information about the life-cycle environmental impact of our products, from raw materials through to carbon emissions and recyclability.



Download + View



Stormwater Quality Improvement Device Evaluation Protocol (SQIDEP)

Stormwater Australia is the custodian of an industry-formulated, independent evaluation process for verifying performance of technologies for improving stormwater quality.

SQIDEP provides a uniform set of criteria to which stormwater treatment measures can be field-tested and reported. These criteria should guide and inform field monitoring programs seeking to demonstrate pollutant removals for stormwater treatment measures included in pollutant export modelling software. Future revisions of the protocol are anticipated to also include laboratory testing.



Emerging Stormwater Treatment Technologies (TAPE)

Supporting the deployment of Atlan Stormwater's water quality range and verifying device performance for our growing global network, the Washington State Department of Ecology Technology Assessment Protocol – Ecology (TAPE) program is America's leading protocol for validating stormwater device performance.

Our current range of TAPE approved devices includes AtlanFilter, and FlowFilter, which join WSDOE's list of approved treatment technologies with CULD (Conditional Use Level Designation) and PULD (Pilot Level Use Designation) under treatment categories including basic (Total Suspended Solids), phosphorus, and heavy metals.



Canadian Environmental Technology Verification (ETV)

Canada's Environmental Technology Verification (ETV) program, which provides an independent evaluation of new technologies with a view to validate environmental claims so that users, developers, regulators, and other parties can make informed decisions about purchasing, applying and regulating innovative technologies.

Our current range of ETV approved devices includes FlowFilter.



New Jersey Corporation for Advanced Technology Verification Program

NJCAT is one of America's premier protocols for verifying stormwater device performance. It provides technology innovators with technical and regulatory support to bring innovative and emerging environmental technologies to market.

AtlanFilter has gained verification under the category of Stormwater Technologies: Laboratory Verified. Through this framework, MTD (Manufactured Treatment Device) stormwater technologies have been tested to NJDEP (New Jersey Department of Environmental Protection) published testing protocols and their performance verified by NJCAT and certified by NJDEP.

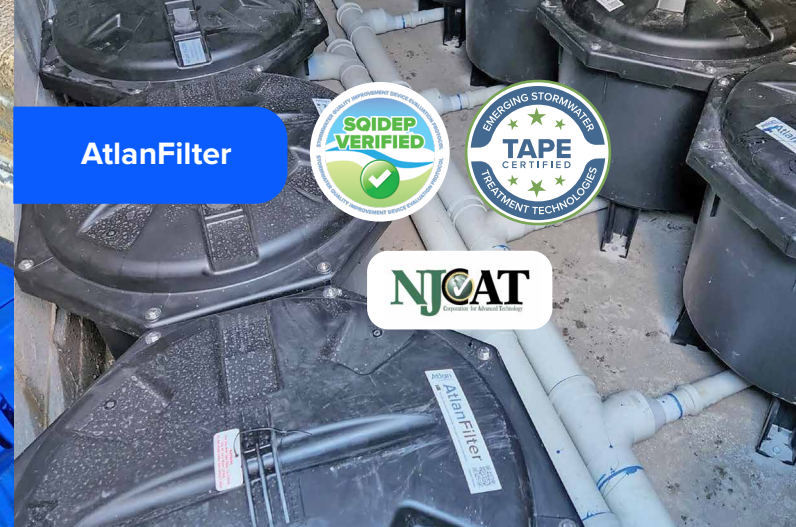
BaffleBox



FlowGuard



AtlanFilter



Vortceptor



AtlanBasin



Flowceptor



Spillceptor



AtlanTrap



FlowFilter



LEARNING CATCHMENT

ATLAN CPD LIBRARY

**Register
Today**



Atlan's Learning Catchment is your premiere stormwater education resource with webinars and CPD library available for free & on-demand.

Helping you to log your CPD points, certificates and webinar views in one handy location – our Learning Management System (LMS) is a dedicated platform for accessing our e-learning resources.

[LMS.ATLANSTORMWATER.COM/USER-ACCOUNT](https://lms.atlanstormwater.com/user-account)

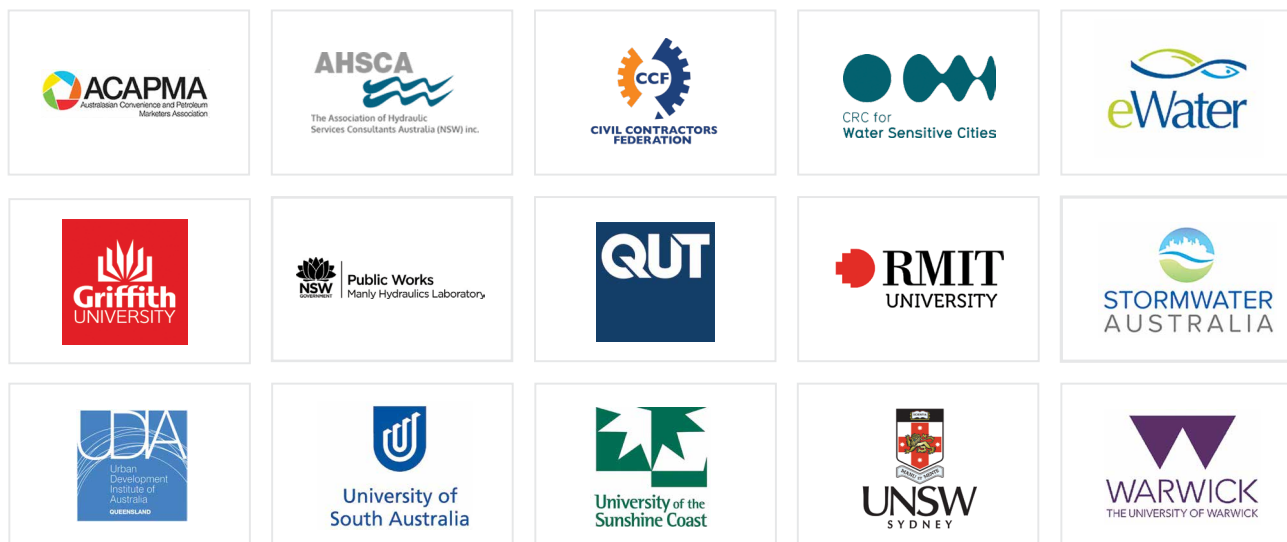


Sign up to our free LMS to access the CPD Library.



Academic and Industry Partners

Our industry experience and expertise in providing high-quality water solutions has enabled us to obtain preferred-supplier status with many councils and government authorities throughout Australia and New Zealand.



At Atlan Stormwater, we do not just speak about our commitment to the environment, we take action to ensure a better future for our families, friends and everyone.

We are constantly looking to improve our products and services to bring more value to our clients and their projects. We also engage with reputable industry partners to ensure better industry standards and organise frequent conferences. We are the water specialists.



Quality Products & Systems

Our commitment to the stormwater industry is unmatched. We are constantly improving our products and services as demonstrated by our ongoing accreditation for Quality and Environmental Management.



Field Testing and Design

Atlan Stormwater and our international technology partners test our products in a range of environments and conditions to meet local regulatory requirements. Testing includes laboratory and field research. We conduct regular grab sample testing for our customers, and engage with independent research bodies across Australia to monitor systems under laboratory and field conditions.

Field-testing for improved water quality

We aim to achieve high pollutant removal performance whilst maintaining hydraulic efficiency of all the stormwater quality improvement devices. While some of the research work is done in the laboratory, our main emphasis is on field-testing products to ensure they will deliver in real world applications.

Universities conduct field testing on Atlan water quality improvement devices for a wide range of problems, including nutrients in both soluble and particulate form, suspended solids and hydrocarbon runoff.

Design

Our design team is committed to continual improvements of both structure and water quality across the diverse range of products used in the storm water industries.

We continue the standard of excellence with the latest and most up-to-date equipment to ensure the development of high quality, efficient, environmentally sensitive products. The use of AutoCAD, Solid Works, 3D Modelling, FEA Analysis are only a part of the detail used to enhance our products.

Independent testing

Demonstrating our commitment to continuous improvement, we have invested in many flow weighted, automated water sample lab and field testing with respected partners such as Manly Hydraulic Labs, the Universities of Sunshine Coast and South Australia, Griffith University and the Queensland University of Technology.

Our treatment devices have undergone rigorous and comprehensive tests in full scale flow conditions, both in the field and at independent hydraulics research facilities — in particular for suspended solids (TSS), nutrients and hydrocarbons.





Fibreglass Manufacturing

Composites are at the forefront of breakthrough solutions due to their pioneering technology.

Atlan use Fibre Reinforced Plastics (FRP) across many of our product ranges including Spillceptor, Flowceptor, Triceptor, Ecoceptor, Vortceptor, FlowFilter, AtlanBasin and TankStor.

Composites for commercial and manufacturing applications supply project benefits with their growing track record for robust performance in the most demanding environments.

FRP materials are used extensively in aerospace, military defences, civil and mining applications.

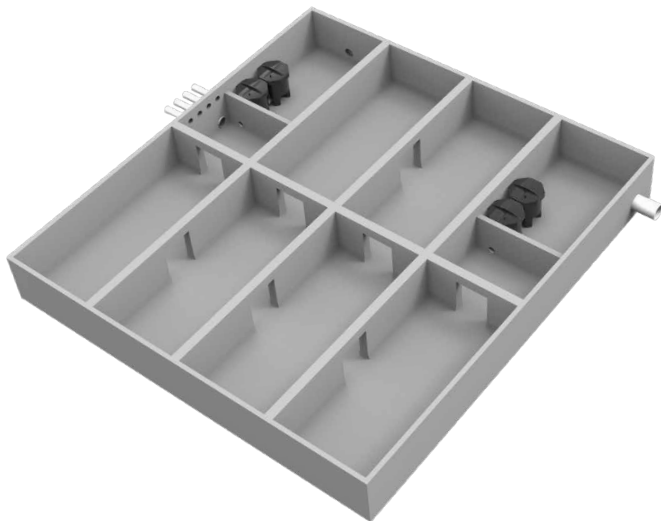
Facilities & Experience

- Over 8000m² of manufacturing facility
- Based in Sydney metro
- Using 3 x USA Engineered & manufactured filament winding machines
- Over 30 skilled & dedicated full time staff 55+ years of trusted manufacturing experience
- Tank diameter capacity up to 4 metres
- Products engineered to AS2634, BS4994 & ASME RTP1
- WSAA Approved
- Strategically positioned within national delivery hub



AtlanVault

Modular precast on-site stormwater detention system



Modular Design Flexibility

Offers customisable footprints and heights to accommodate specific site requirements, ensuring optimal integration into diverse project layouts.



Immediate Trafficability

Constructed with 50MPa cured concrete, allowing the tanks to be installed, backfilled, and made truck-trafficable immediately, maintaining site accessibility without delays.



Locally Manufactured

Locally fabricated in our National precast concrete production facilities to meet ISO9001 Quality Standards.



Efficient Installation

Modules are delivered ready for immediate installation, eliminating the need for on-site storage and minimising construction time.



Reduced Excavation Needs

The design does not rely on stone backfill for support or storage, resulting in smaller excavations and less soil disposal compared to other systems.



Integrated Water Quality Solutions

Capable of incorporating AtlanFilter cartridges within the system to achieve water quality objectives without the need for additional separate tanks.



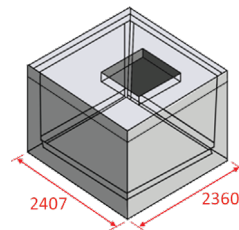
Robust Construction

Engineered with high-strength precast concrete and various reinforcement methods to enhance structural integrity, making it suitable for installation under high-traffic areas such as car parks and driveways.

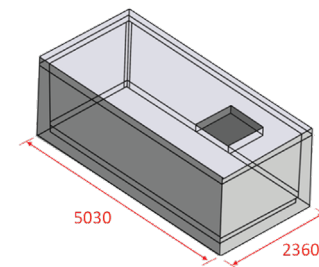


Easy Maintenance

AtlanVault systems are designed with low-maintenance requirements to ensure long-term functionality and efficiency.



Sizes and capacities - cube
2407mm long x 2360mm wide



Sizes and capacities - rectangle
5030mm long x 2360mm wide

A modular precast on-site stormwater detention system (OSD) that has the proven strength & durability of concrete, is simple & fast to install, and easily accessible for maintenance. The AtlanVault can be arranged in a modular configuration to achieve small to very large OSD requirements with flexibility in footprint design.

It is a robust solution for stormwater detention typically installed under carparks in commercial premises, or the common driveways in multi-unit developments. The AtlanVault is selected for its easy access for maintenance, strong traffic rating, simple installation protocol, and ability for large volumes to be installed in a single day and truck trafficable immediately.

Applications

- Residential
- Commercial
- Industrial
- Retail sites
- Subdivisions
- Urban infrastructure

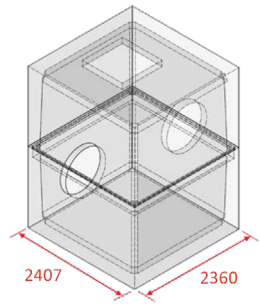
Maintenance

Maintenance typically includes removing accumulated sediment, debris, and contaminants to preserve storage capacity and flow rates. Optional integrated water quality solutions, such as AtlanFilter cartridges, simplify pollutant removal, reducing cleaning requirements.

INTERNAL HEIGHT	CAPACITY kL
900	4.084
950	4.317
1000	4.550
1100	5.018
1150	5.252
1200	5.487
1250	5.723
1300	5.959
1350	6.195
1464	6.736

INTERNAL HEIGHT	CAPACITY kL
900	9.063
950	9.576
1000	10.089
1100	11.119
1150	11.634
1200	12.151
1250	12.668
1300	13.187
1350	13.706
1464	14.892

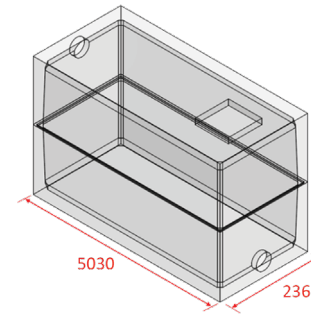
NOTE: Internal heights only provided as tank lid thickness is dependant on traffic rating & soil/slab cover. Visit our website to download plans and drawings.



Sizes and capacities - double stacked cube

2407mm long x 2360mm wide

BASE INTERNAL HEIGHT	TOP INTERNAL HEIGHT	INTERNAL HEIGHT	CAPACITY kL
884	916	1800	8.170
934	916	1850	8.456
984	916	1900	8.635
984	966	1950	8.921
984	1016	2000	9.100
1134	916	2050	9.337
1184	916	2100	9.573
1184	966	2150	9.859
1184	1016	2200	10.038
1334	916	2250	10.281
1334	966	2300	10.567
1439	916	2355	10.703
1439	966	2405	10.989
1438	1016	2455	11.168
1334	1166	2500	11.448
1439	1116	2555	11.636
1439	1166	2605	11.870
1439	1216	2655	12.106
1439	1266	2705	12.341
1439	1316	2755	12.577
1439	1366	2805	12.814
1439	1471	2910	13.388



Sizes and capacities - double stacked rectangle

5030mm long x 2360mm wide

BASE INTERNAL HEIGHT	TOP INTERNAL HEIGHT	INTERNAL HEIGHT	CAPACITY kL
884	916	1800	18.128
934	916	1850	18.640
984	916	1900	19.154
984	966	1950	19.666
984	1016	2000	20.180
1134	916	2050	20.699
1184	916	2100	21.215
1184	966	2150	21.728
1184	1016	2200	22.241
1334	916	2250	22.770
1334	966	2300	23.283
1439	916	2355	23.858
1439	966	2405	24.372
1438	1016	2455	24.885
1334	1166	2500	25.341
1439	1116	2555	25.915
1439	1166	2605	26.431
1439	1216	2655	26.915
1439	1266	2705	27.466
1439	1316	2755	27.984
1439	1366	2805	28.493
1439	1471	2910	29.596



Comparison Chart

OSD SYSTEMS	ATLANVAULT/MEGAFAULT	CONVENTIONAL CAST INSITUE OR BLOCK & SLAB
STRUCTURAL ENGINEERING	All required structural certification provided by Atlan Stormwater and Engineering Partners minimising onsite inspections and increasing construction efficiency.	Structural engineering requires 'Hold Points' and visual inspection to ensure correct construction methods are achieved. Potential delays and risk of trade error is higher.
CONSTRUCTION PROGRAM EFFICIENCIES	Construction timeline savings of up to 90% can be achieved, with a guaranteed reduction of labour required on site.	Multiple trades required to complete the scope providing a slower construction timeline and increased risk of poor weather and delays.
SAFETY	Reduces the amount of labour required to complete the works. Significantly decreased open excavation time. Minimises the requirement of Confined Space Entry during tank construction.	Increased time with an open excavation due to increased sub-contractor involvement. Co-ordination on safety plans and inductions with increased involvement and supervision required. Exposed reinforcement contributing to trip hazards. Confined Space Entry is required.
ENVIRONMENTAL IMPACT	- Minimal construction waste. - Decreased excavation time. - Decreases risk of silt release. - No concrete truck washouts required.	- Increased construction waste from palletised construction materials to complete the scope. - Concrete truck washouts required.
QUALITY	Tanks constructed to ISO9001 Quality Standards. Atlan Stormwater engineering partners provide product 'sign-off'.	Hold points and visual sign off by the project Certified Engineers.
ORGANISATIONS REQUIRED	Atlan Stormwater offer a 'Turnkey' Solution from design and manufacture through to construction.	Multiple trades.

MegaVault[®]

Modular precast on-site stormwater detention system



High-Capacity OSD, Retention & Detention

Cathedral style design for large-scale water detention, retention, and infiltration applications - accommodating significant stormwater volumes.



Modular Design Flexibility

Offers customisable footprints and heights to accommodate specific site requirements, ensuring optimal integration into diverse project layouts.



Immediate Trafficability

Constructed with 50MPa cured concrete, allowing OSD tanks to be installed, backfilled, and made truck-trafficable immediately, maintaining site accessibility without delays.



Efficient Installation

Modules are delivered ready for immediate installation, eliminating the need for on-site storage and minimising construction time compared to cast-in-situ tanks.



Locally Manufactured

Locally fabricated in our Australian precast concrete production facilities to meet ISO9001 Quality Standards.



Environmental Product Declaration (EPD)



Reduced Wet Weather Delays

Fast installation timelines with less open excavations compared to cast-in-situ tanks - reducing site safety issues and potential for project delays.



Registered Australian Design

Design no. 202315550, offers ease of specification and unparalleled versatility for large-volume stormwater infrastructure.



Integrated Filter Bays for Water Quality

Atlan MegaVault can incorporate AtlanFilter cartridges to achieve water quality objectives without the need for additional separate tanks.



Superior Structural Outcomes

Engineered with high-strength precast concrete and various reinforcement methods to enhance structural integrity. Versatile depth capacity and superior product quality with full structural certification.



Easy Maintenance

Designed with low-maintenance requirements to ensure long-term functionality and efficiency.

The Atlan MegaVault® delivers an industry-leading solution for medium to large stormwater detention requirements.

The inspiration of the MegaVault is based on ancient architecture and fundamental principles of cost-effective and efficient stormwater management. These systems have been improved and optimised with the assistance of modern precast concrete technology.

The MegaVault On-site Stormwater Detention (OSD) System meets legislative requirements for on-site detention, and its condensed footprint guarantees the delivery of high-yield usable land area.

This system has been designed and engineered to maximise the desired outcomes of safety-in-design with respect to manufacture, installation and life-cycle maintenance applicable to larger OSD requirements.

The MegaVault works together with Atlan filtration devices to achieve the requirements of Stormwater Quality and Quantity Management Plans to satisfy site design needs for SPP (State Planning Policy), local government and council requirements.

Applications

This system allows for maximised use of available land by allowing the on-site stormwater detention to be located underneath development sites, carparks, driveways, or parklands. Open road SM1600 rated builds are available by request.

- Residential, commercial and industrial developments
- Retail sites
- Subdivisions
- Urban infrastructure



SYSTEM INTERNAL HEIGHT (mm)	VOLUME PER UNIT(kL)
1000	8.370
1500	12.565
2500	20.955
3000	25.150

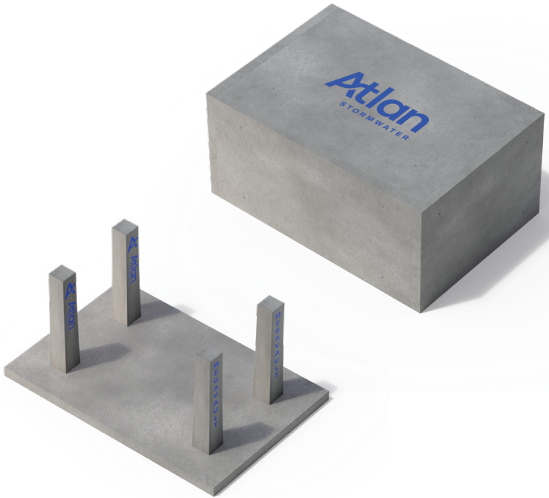
* System height can be further tailored to suit site requirements in increments of 100mm up to 3000mm.

MODULE DIMENSION	3600mm L x 2400mm W
INTERNAL HEIGHT	1000mm to 3000mm
VOLUME PER MODULE	8.37kL to 25.150 kL
TRAFFICABLE LOADINGS	20kPa or W80 Wheel Loadings
MINIMUM COVER	200mm
MAXIMUM COVER	3000mm (Cover over 3000mm, contact Atlan)
BEARING CAPACITY	150kPa min
MAXIMUM GRADE	3%

The MegaVault is engineered to meet Australian Standards and is designed to suit 20kPa surcharge or W80 loading criteria with 3m fill. Contact our team at Atlan to collaborate on special projects that require higher loadings or more customised solutions.

The MegaVault system provides unparalleled versatility in overcoming footprint, configuration and depth constraints which leads this system to be one of the most sought after solutions for storing/retaining water on developments by both civil, hydraulic and consulting engineers alike.

The size of each component is designed to maximise freight and installation efficiencies.



Standard MegaVault Isometric View



AtlanChamber

Modular stormwater storage & detention



OSD, Stormwater Harvesting & Reuse

Modular OSD tank system for detention, retention, and infiltration, designed to effectively manage water quantity and quality.



Load-Rated Fully Trafficable OSD

Superior load ratings which comply with AS5100 and W80 wheel load ideal for carparks, transport depots, and driveways.



Advanced Infiltration Capabilities

Infiltration chambers with high-infiltration surface area for improved soakage capabilities - ideal for flood prevention and water quantity management.



Customisable and Scalable

Three different arch heights offer a versatile modular design allowing for tailored configurations to meet site-specific footprint, flow rate, and volume requirements.



High-Performance Design

Features corrugated arches, geotextile and liner technology for underground installation, ensuring optimal land use, subsurface installations and ease of specification.



Durable and Reliable

Manufactured from virgin polypropylene (PP) with a 100-year design life, ensuring long-term durability for civil, residential, and commercial applications.



Environmental Impact Reduction

Enhances soakage response, reduces stormwater runoff, and meets local design and environmental requirements for flood mitigation.



Lightweight and Easy Installation

Lightweight design simplifies installation, reduces safety risks, and minimises open excavation time, enabling faster project timelines.



Easy Maintenance

Our patented Isolator Row allows easy maintenance. Pollutants are captured upon entering the tank and prevented from spreading throughout.



Environmental Product Declaration (EPD)

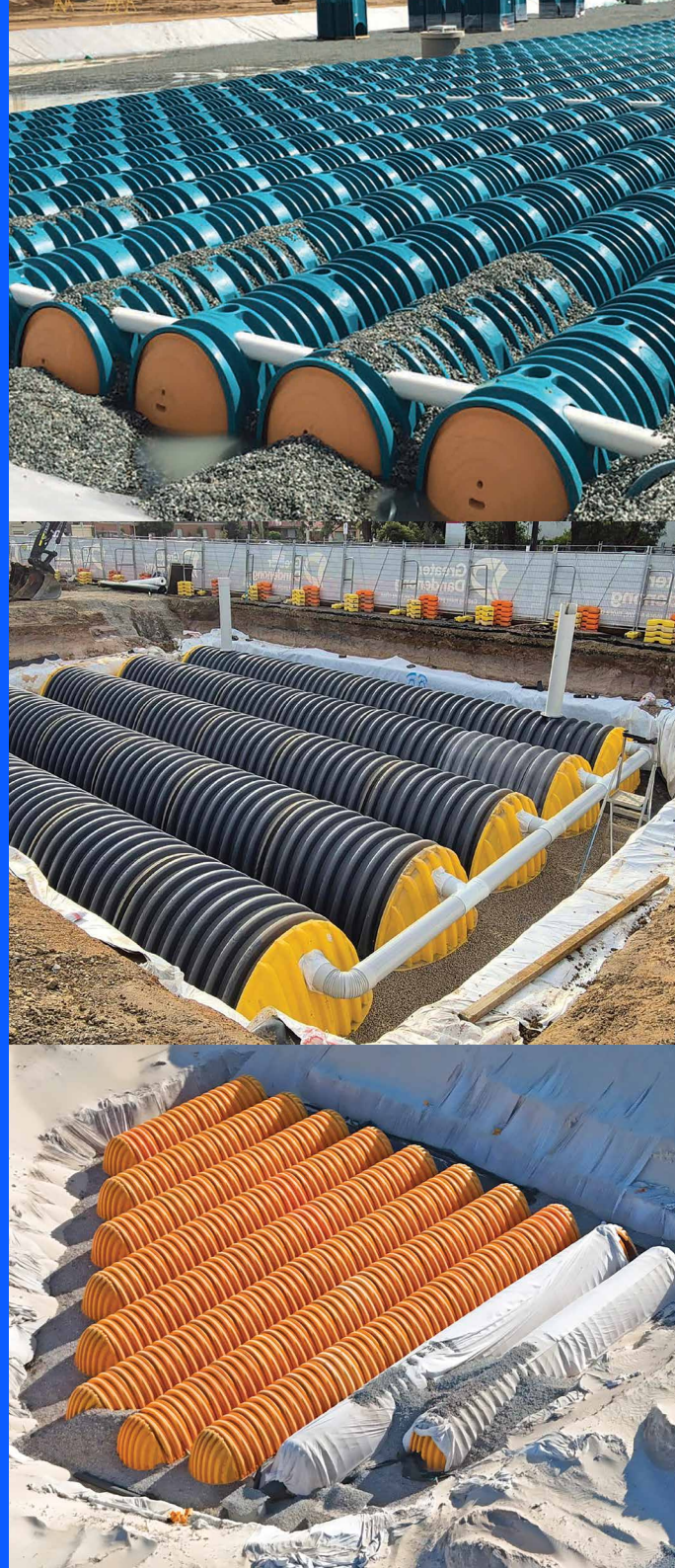


AtlanChamber is our comprehensive system of chambered OSD solutions – which includes modular arches, geofabric & liner technology, and our unwavering commitment to customer service and design assistance. This includes Atlan's provision of Hydrostor, ADS Stormtech, & ecoAID arch systems Australia wide.

The system is encased by an impermeable LLDPE liner which is sealed and watertight. The open-bottom arches allow the stormwater runoff to balance across the tank through the clean aggregate stone (20-50mm ballast) which surround the arches.

Applications

- Shopping centre OSD in car parks
- Commercial and industrial OSD
- Recreational grounds and sports fields
- Stormwater harvesting
- Bioretention and infiltration



Isolator Row

Our patented Isolator Row is a row of AtlanChambers (inlet row) wrapped in a woven geo-textile fabric. This fabric provides an effective pollutant removal mechanism which targets gross pollutants and suspended solids.

Whilst we recommend a Gross Pollutant Trap prior to the AtlanChamber system, the Isolator Row will serve as a Gross Pollutant Trap where pollutants will be separated and contained, which allows for ease of maintenance.

The Isolator Row is designed to reduce the cost of periodic maintenance. By “isolating” sediments to just one row, costs are dramatically reduced by eliminating the need to clean out each row of the entire storage bed. If inspection indicates the potential need for maintenance, access is provided via manhole(s) located on the end(s) of the row for cleanout.

Maintenance is accomplished with the JetVac process, which utilises a high pressure water nozzle to propel itself down the Isolator Row while scouring and suspending sediments. As the nozzle is retrieved, the captured pollutants are flushed back into the manhole for vacuuming.

MUSIC Modelling

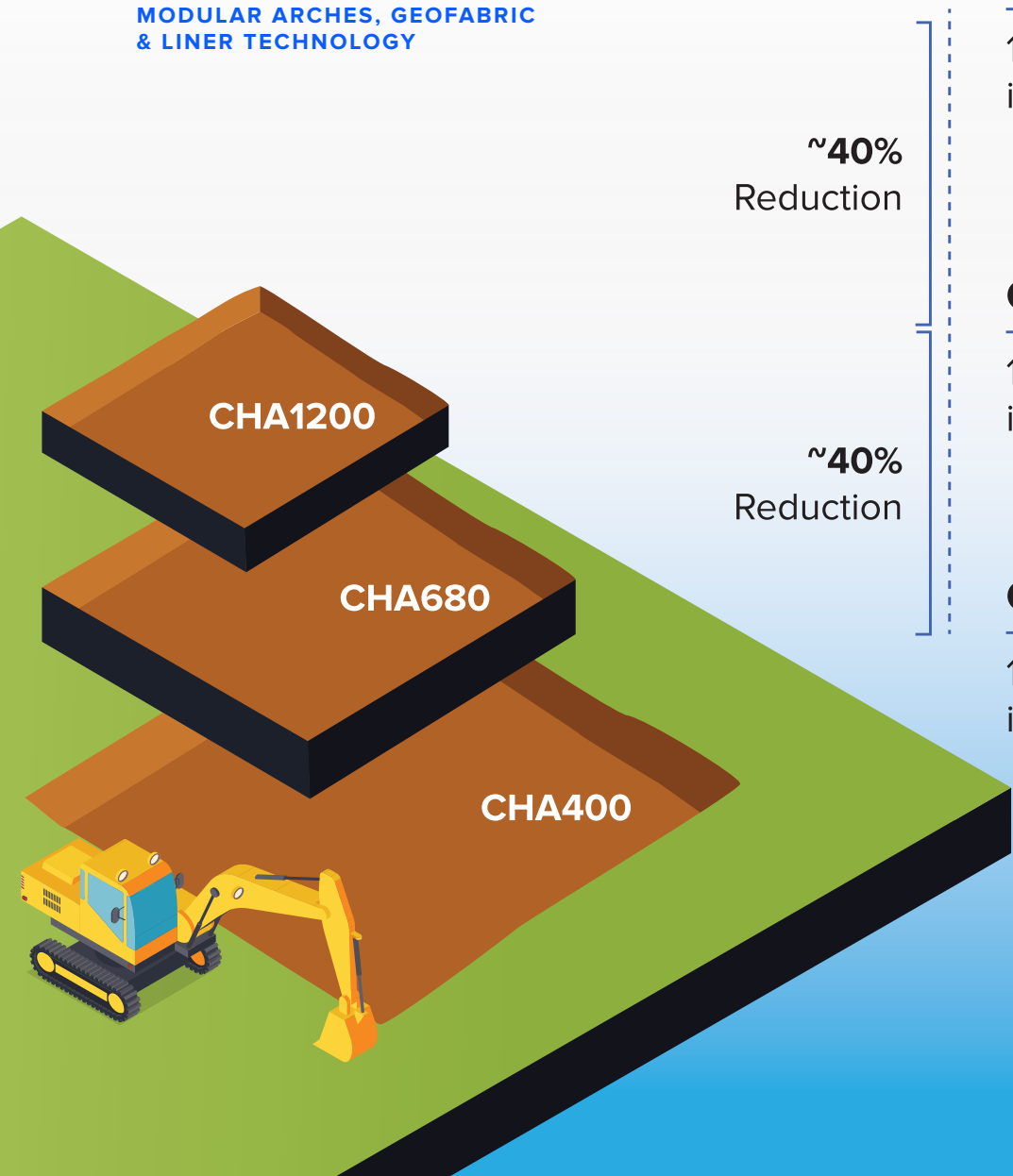
Model for Urban Stormwater Improvement Conceptualisation (MUSIC) software simulates the performance of stormwater quality management systems.

Our design team can assist with planning and conceptualisation to ensure you achieve an urban stormwater management system to suit your specific catchment requirements.

AtlanChamber Sizes

ON-SITE STORMWATER DETENTION (OSD)
ARCH CHAMBER SOLUTIONS

MODULAR ARCHES, GEOFABRIC
& LINER TECHNOLOGY



CHA1200

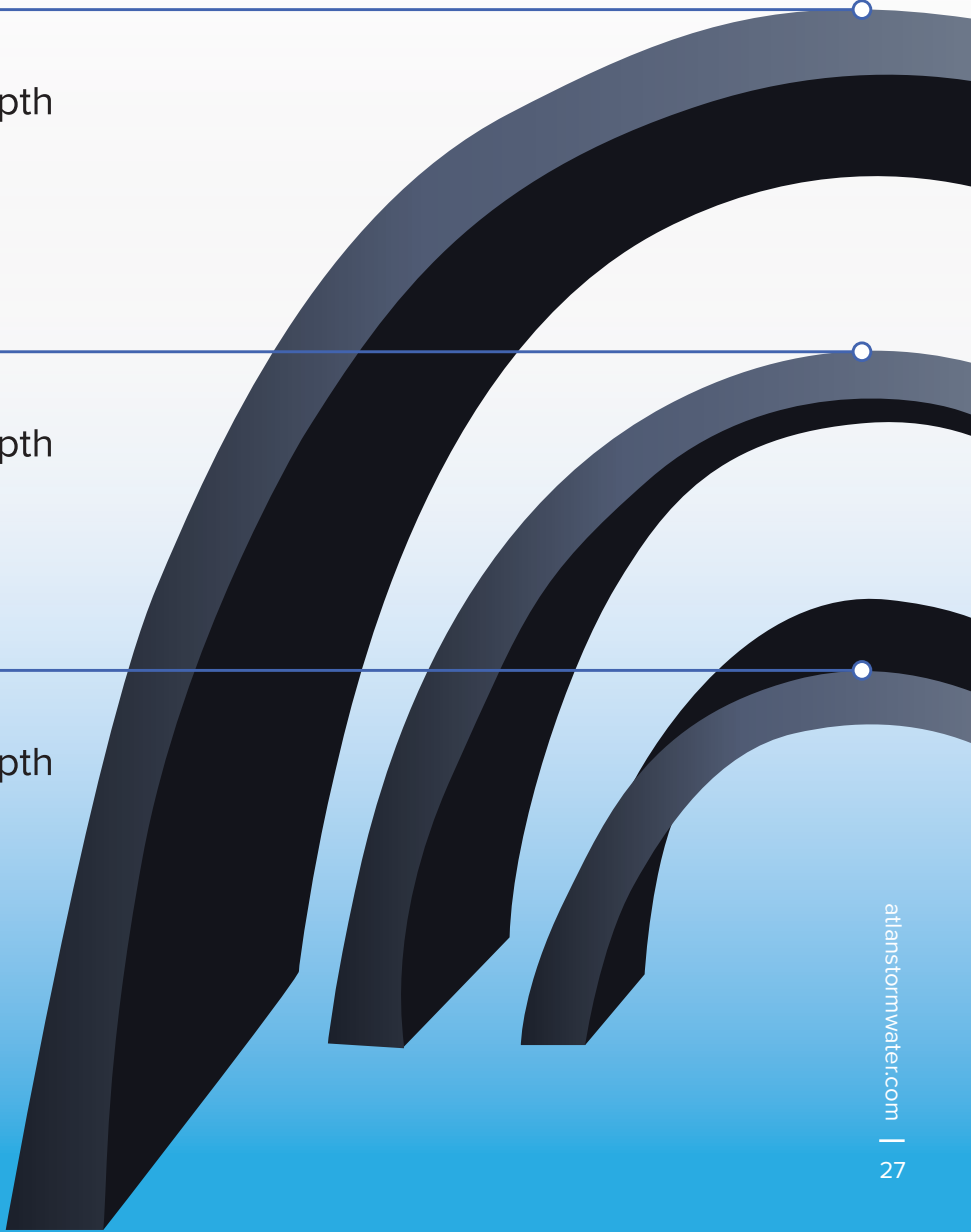
1,980mm
installed depth

CHA680

1,430mm
installed depth

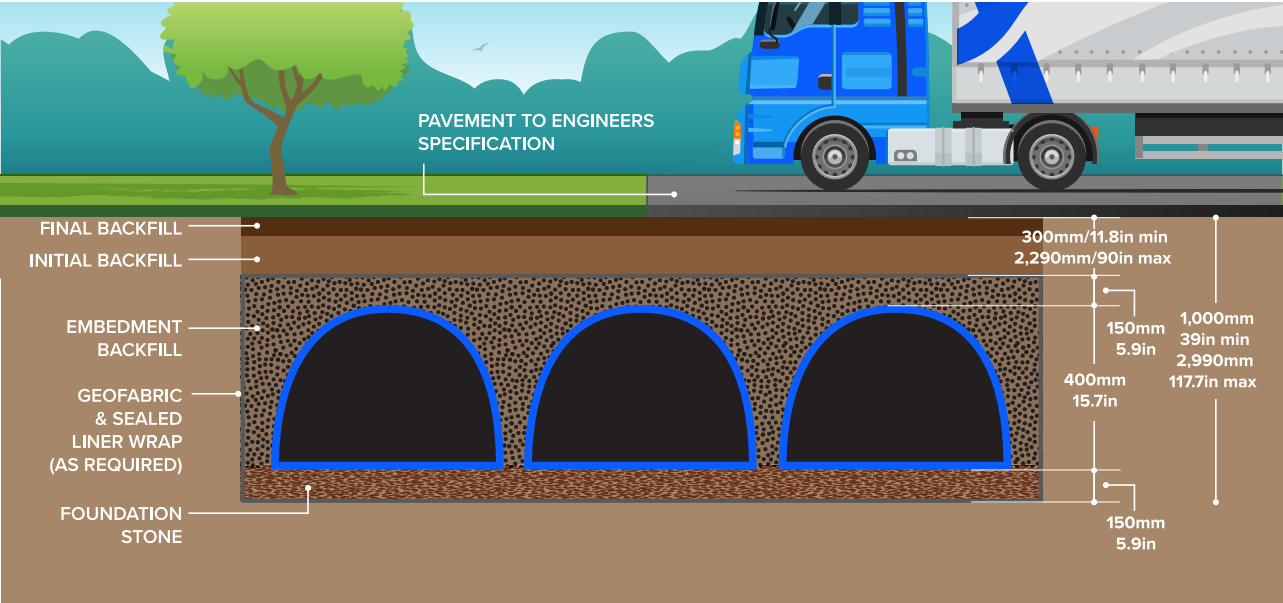
CHA400

1,000mm
installed depth

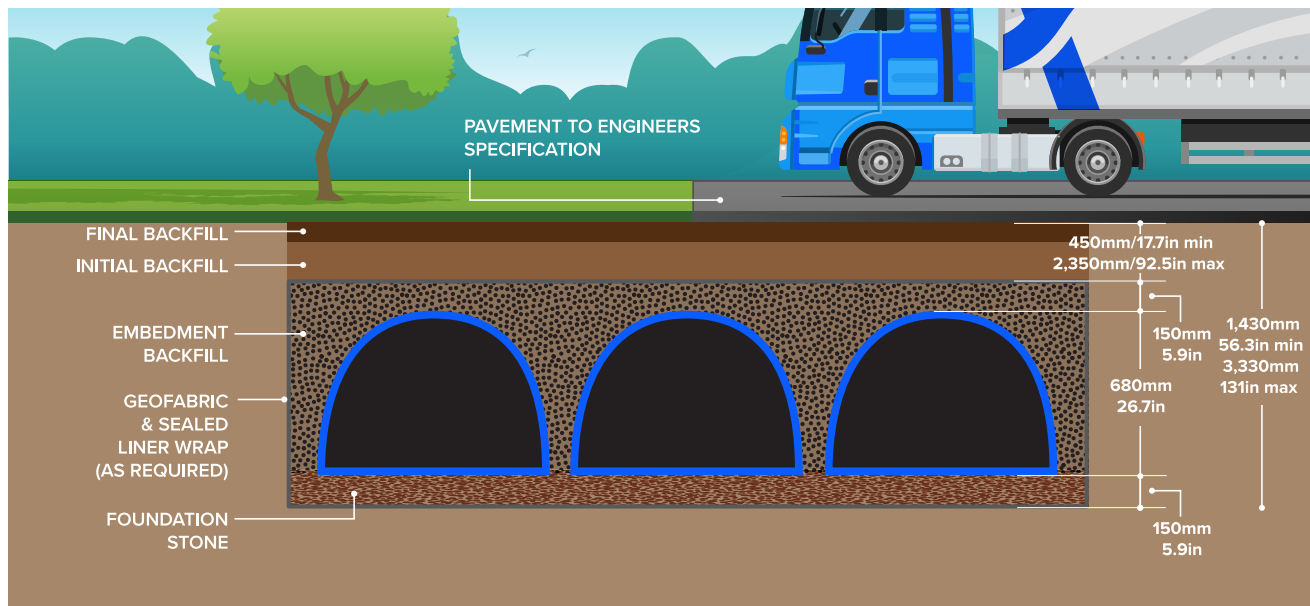


ATLANCHAMBER CHA400

- Height: 400mm
- Min. installed depth: 1,000mm

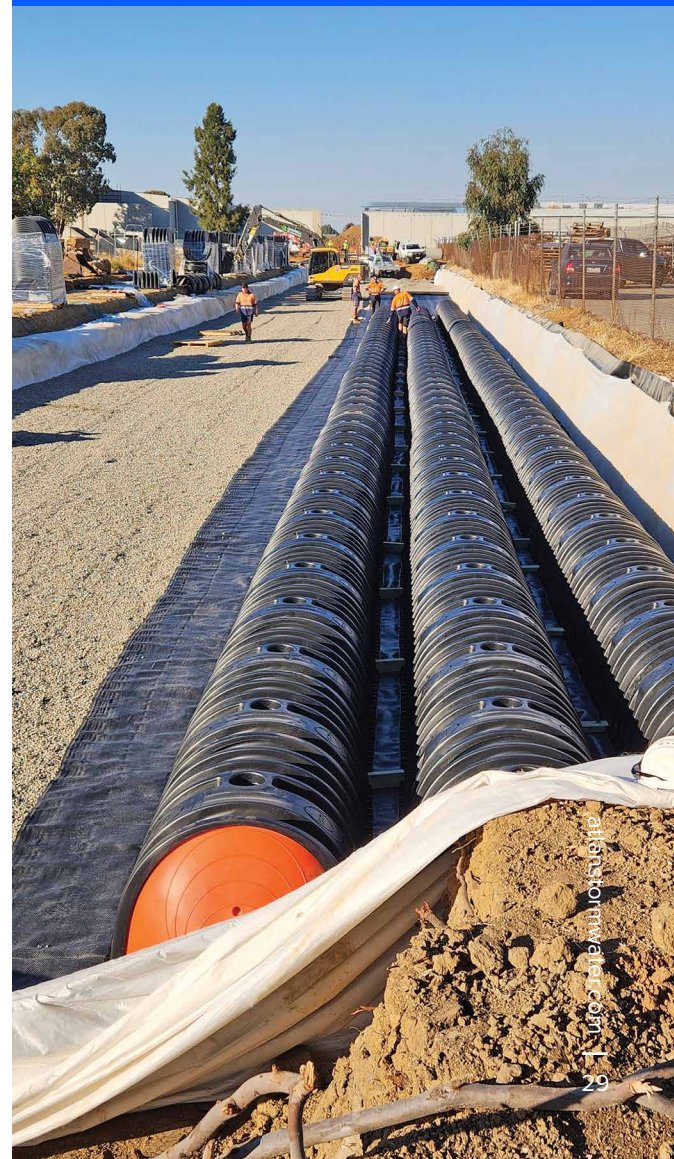


		CHAMBERS WIDE – WIDTH (NO. OF MODULES)									
CHAMBERS LONG – LENGTH (NO. OF MODULES)	QTY	1 (1.5M)	2 (2.5m)	3 (3.5m)	4 (4.5m)	5 (5.5m)	6 (6.6m)	7 (7.6m)	8 (8.6m)	9 (9.6m)	10 (10.6M)
		All values shown in cubic metres (m³)									
	1 (4.40m)	2	3	5	6	8	9	11	12	14	15
	2 (6.60m)	3	6	8	10	13	15	17	20	22	24
	3 (8.80m)	4	8	11	14	17	20	24	27	30	33
	4 (10.90m)	6	10	14	18	22	26	30	34	38	42
	5 (13.10m)	7	12	17	22	27	32	36	41	46	51
	6 (15.30m)	8	14	20	25	31	37	43	49	55	60
	7 (17.50m)	9	16	22	29	36	43	49	56	63	70
	8 (19.60m)	10	18	25	33	41	48	56	63	71	79
	9 (21.80m)	11	20	28	37	45	54	62	71	79	88
	10 (24.0m)	12	22	31	41	50	59	69	78	87	97
	11 (26.10m)	14	24	34	44	55	65	75	85	96	106
	12 (28.3m)	15	26	37	48	59	70	82	93	104	115
	13 (30.5m)	16	28	40	52	64	76	88	100	112	124
	14 (32.6m)	17	30	43	56	69	82	94	107	120	133
	15 (34.8m)	18	32	46	60	73	87	101	115	128	142
	16 (37.0m)	19	34	49	63	78	93	107	122	137	151
	17 (39.2m)	21	36	52	67	83	98	114	129	145	160
	18 (41.30m)	22	38	55	71	87	104	120	137	153	169
	19 (43.5m)	23	40	57	75	92	109	127	144	161	178
	20 (45.7m)	24	42	60	79	97	115	133	151	169	188
	21 (47.8m)	25	44	63	82	101	120	139	159	178	197



ATLANCHAMBER CHA680

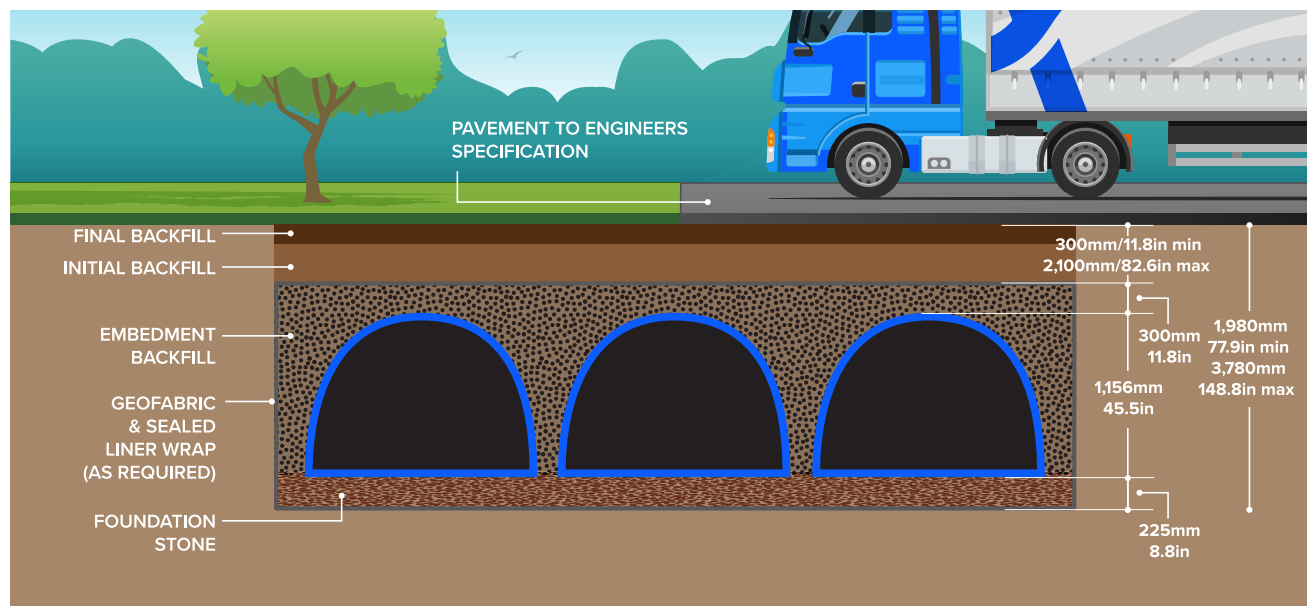
- Height: 680mm
- Min. installed depth: 1,430mm



CHAMBERS WIDE – WIDTH (NO. OF MODULES)											
CHAMBERS LONG – LENGTH (NO. OF MODULES)	QTY	1 (1.8M)	2 (3.1m)	3 (4.4m)	4 (5.7m)	5 (7.0m)	6 (8.3m)	7 (9.6m)	8 (10.9m)	9 (12.3m)	10 (13.6M)
	All values shown in cubic metres ()										
1 (2.2m)	2	4	5	6	8	9	11	12	13	15	
2 (3.2m)	3	5	8	10	12	14	17	19	21m3	23	
3 (4.2m)	4	7	10	13	16	19	23	26	29m3	32	
4 (5.2m)	5	9	13	17	21	25	28	32	36	40	
5 (6.2m)	6	11	16	20	25	30	34	39	44	48	
6 (7.2m)	7	13	18	24	29	35	40	46	51	57	
7 (8.2m)	8	15	21	27	34	40	46	53	59	65	
8 (9.2m)	9	16	24	31	38	45	52	59	67	74	
9 (10.2m)	10	18	26	34	42	50	58	66	74	82	
10 (11.2m)	11	20	29	38	46	55	64	73	82	91	
11 (12.2m)	12	22	31	41	51	60	70	80	89	99	
12 (13.2m)	13	24	34	45	55	65	76	86	97	107	
13 (14.2m)	14	26	37	48	59	71	82	93	104	116	
14 (15.2m)	15	27	39	52	64	76	88	100	112	124	
15 (16.2m)	16	29	42	55	68	81	94	107	120	133	
16 (17.2m)	17	31	45	58	72	86	100	113	127	141	
17 (18.2m)	18	33	47	62	76	91	106	120	135	149	
18 (19.2m)	19	35	50	65	81	96	112	127	142	158	
19 (20.2m)	20	37	53	69	85	101	118	134	150	166	
20 (21.2m)	21	38	55	72	89	106	123	141	158	175	
21 (22.2m)	22	40	58	76	94	112	129	147	165	183	
22 (23.2m)	23	42	61	79	98	117	135	154	173	191	
23 (24.2m)	24	44	63	83	102	122	141	161	180	200	
24 (25.2m)	25	46	66	86	107	127	147	168	188	208	

ATLANCHAMBER CHA1200

- Height: 1,156mm
- Min. installed depth: 2,000mm



CHAMBERS WIDE – WIDTH (NO. OF MODULES)											
	QTY	1 (2.60M)	2 (4.80M)	3 (6.90M)	4 (9.10M)	5 (11.30M)	6 (13.50M)	7 (15.70M)	8 (17.80M)	9 (20.0M)	10 (22.2M)
	All values shown in cubic metres ()										
CHAMBERS LONG – LENGTH (NO. OF MODULES)	1 (4.60m)	10	20	29	38	47	57	66	75	84	94
	2 (6.70m)	16	31	45	59	74	88	102	117	131	145
	3 (8.90m)	22	41	61	80	100	119	139	158	178	197
	4 (11.10m)	28	52	77	101	126	151	175	200	224	249
	5 (13.20m)	33	63	93	122	152	182	212	241	271	301
	6 (15.40m)	39	74	109	144	178	213	248	283	318	352
	7 (17.60m)	45	85	125	165	205	244	284	324	364	404
	8 (19.70m)	50	96	141	186	251	276	321	366	411	456
	9 (21.90m)	56	106	157	207	257	307	357	407	458	508
	10 (24.10m)	62	117	172	228	283	338	394	449	504	560
	11 (26.30m)	68	128	188	249	309	370	430	491	551	611
	12 (28.40m)	73	139	204	270	335	401	467	532	598	653
	13 (30.60m)	79	150	220	291	362	432	503	574	644	715
	14 (32.80m)	85	161	236	312	388	464	539	615	691	767
	15 (34.90m)	90	171	252	333	414	495	576	657	738	818
	16 (37.10m)	96	182	268	354	440	526	612	698	784	870
	17 (39.30m)	102	193	284	375	466	558	649	740	831	922
	18 (41.40m)	108	204	300	396	493	589	685	781	878	974
	19 (43.60m)	113	215	316	417	519	620	722	823	924	1026
	20 (45.80m)	119	226	332	438	545	651	758	864	971	1077
	21 (47.90m)	125	236	348	460	571	683	794	906	1018	1129



AtlanFlow HDPE SN8 Pipe

Stormwater/drainage pipe



Flexible Sizing

HDPE pipe available from 100mm to 1050mm Diameter Nominal (DN), suitable for various stormwater applications. 6 metre lengths instead of 2.4 metre for improved productivity and fewer joints. Engineered to offer SN8 to SN16 pipe capabilities, ensuring reliable performance.



Crack-Resistant & Non-Corrosive

Durable HDPE pipe composition that prevents cracking, ensuring longevity and reliability. Ideal for installation in marine and other harsh environments, resistant to corrosion.



Pre-Installed Rubber Ring Jointing System

Simplifies and accelerates the installation process for increased site efficiencies compared to RCP pipe alternatives.



Sustainable and Recyclable

100% recyclable HDPE pipe composition, contributing to environmental sustainability.



Lightweight

HDPE pipe is 80% to 95% lighter than RCP pipe alternatives, reducing freight, on-site lifting, and handling costs.



Easier Installation

Pre-bundled for ease of on-site delivery with pre-installed rubber ring jointing system for simplified installation.



Cost-Effective

Reduced project costs and increased site efficiencies due to less need for joints, lower transport costs, and better truck utilisation.



Health and Safety

Lightweight HDPE design with reduced manual handling and improved safety for workers during installation. No silica exposure or associated risks during installation.



Quality Assurance

Meets ISO9001 and AS/NZS 5065 industry standards for quality and performance in HDPE pipe applications.



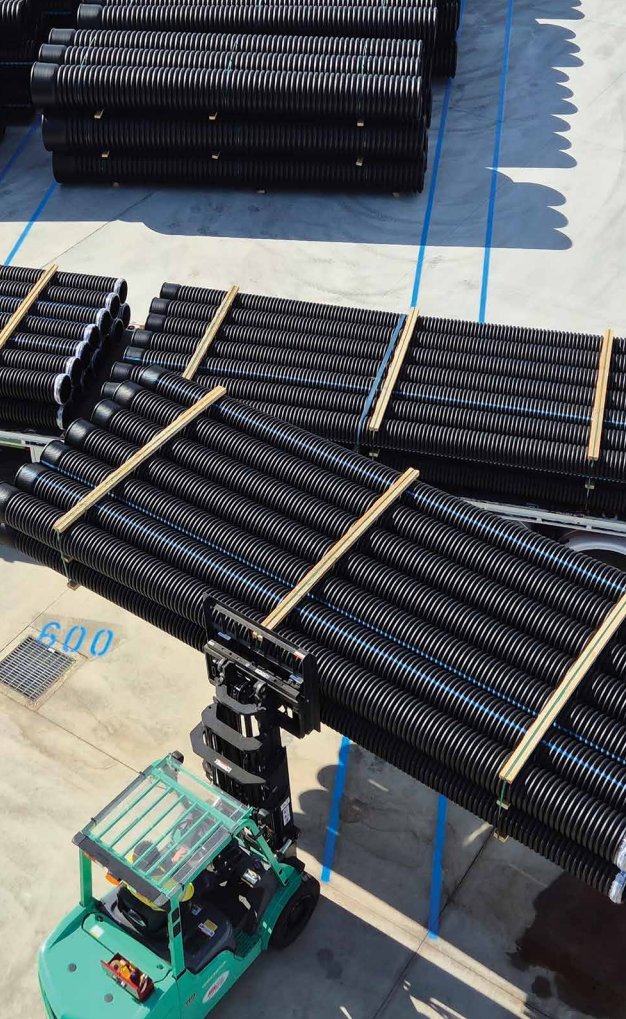
Locally Manufactured

Locally manufactured at our production facilities. Locally sourced pipe supplies are more economical and environmentally conscious.



Environmental Product Declaration (EPD)

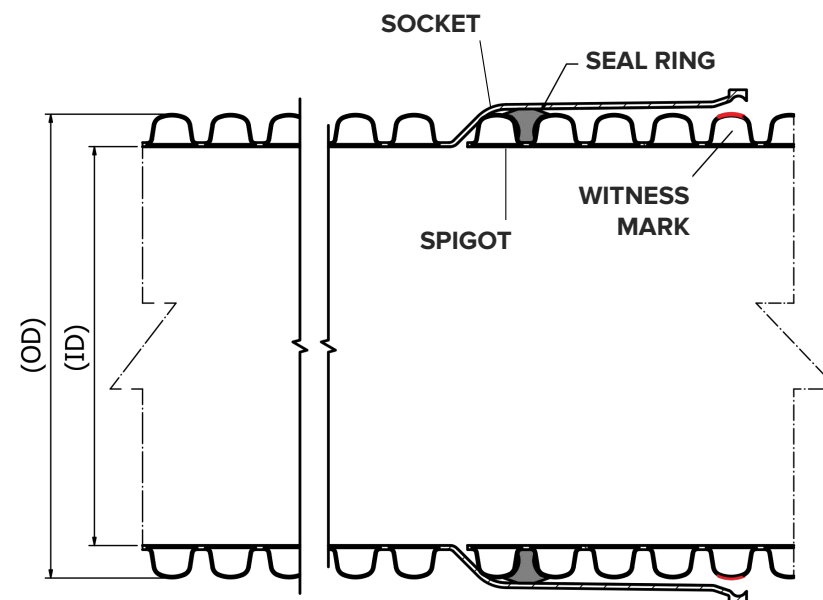




AtlanFlow SN8 HDPE corrugated pipe is a dual wall (corrugated outer wall and smooth inner wall) pipe engineered from high density virgin polyethylene (HDPE).

Light, strong and durable, HDPE drainage pipe requires low cover and is hydraulically efficient with superior performance in gravity-flow drainage applications.

HDPE corrugated pipe installation is quick and straightforward. Pipes may need to be cut to specific lengths, with cuts made in the center of the valley. The rubber ring should be placed in the last valley, ensuring both surfaces are clean and lubricated. Finally, the spigot is pushed into the coupling of the next pipe for a secure connection.



Applications

- Road and rail
- Subdivisions
- Car parks / open spaces
- Commercial
- Industrial
- Rural
- Mining

MODEL ID	NOMINAL ID	ID (mm)	OD (mm)	EFFECTIVE LENGTH (mm)	STIFFNESS CLASS (SN)
ATF110.8	100	93	110	6404	8
ATF160.8	150	137	160	6370	8
ATF225.8	225	218	252	6280	8
ATF300.8	300	295	343	6180	8
ATF375.8	375	364	423	6180	8
ATF450.8	450	436	504	6120	8
ATF525.8	525	519	601	6030	8
ATF600.8	600	589	685	5900	8
ATF750.8	750	729	845	5910	8
ATF900.8*	900	870	1012	5970	8
ATF1050.8*	1050	1016	1186	5920	8

* Features a reduced OD male joint. Requires 2 x seal rings.



AtlanChannel™

Sustainable drainage solutions



Sustainable Materials

Made from recycled glass, gravel and renewable materials, AtlanChannel diverts millions of bottles from landfill and replaces virgin resources for sustainable infrastructure.



Eco-Friendly Production

Solar-powered manufacturing process supports carbon reduction goals without compromising quality or performance.



High-Strength and Durable

Engineered with a bonded, high compressive strength filler, offering a stronger and more durable polymer concrete channel.



Lightweight Alternative

Delivers weight advantages and easier manual handling compared to precast concrete channel drains.



Compatible with AtlanChannel

Seamless integration combines advanced filtration with high-capacity drainage.



Anti-Shunt Technology

Edge rail and M10 bolt system locks grates securely in place, preventing movement under heavy traffic for maximum safety and reliability. Featured on ductile-iron, galvanised steel and stainless-steel ranges.



Versatile Profiles

Slab Profile:

Depths of 60mm, 80mm, and 100mm for installations with depth restrictions.

V-Profile:

Depths ranging from 120mm to 400mm for broader applications.



Slip and Load Rated

P5 slip rating and load rated to Class D (higher classes available upon request).



Standards Compliant

Meets AS and EN quality standards for reliable performance.

Compressive Strength:
90MPa

Water Absorption:
0-0.06%

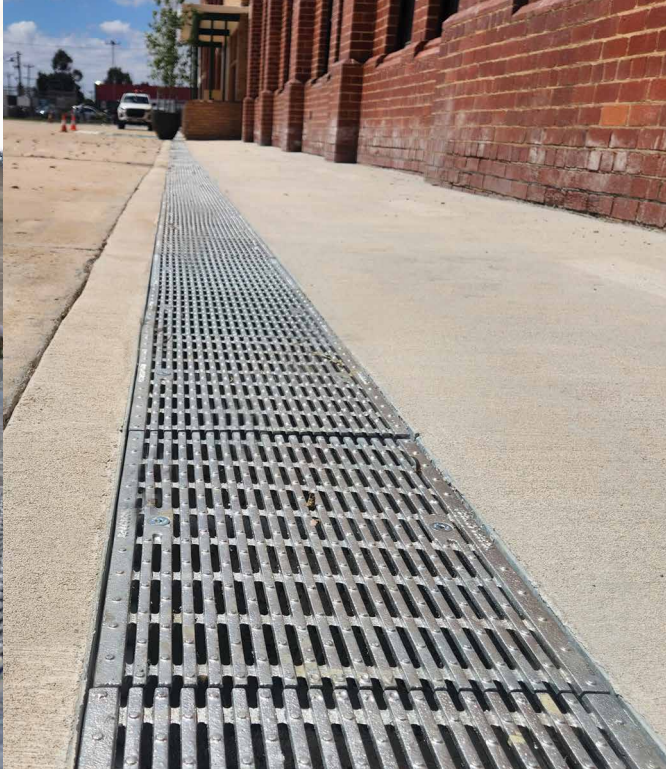
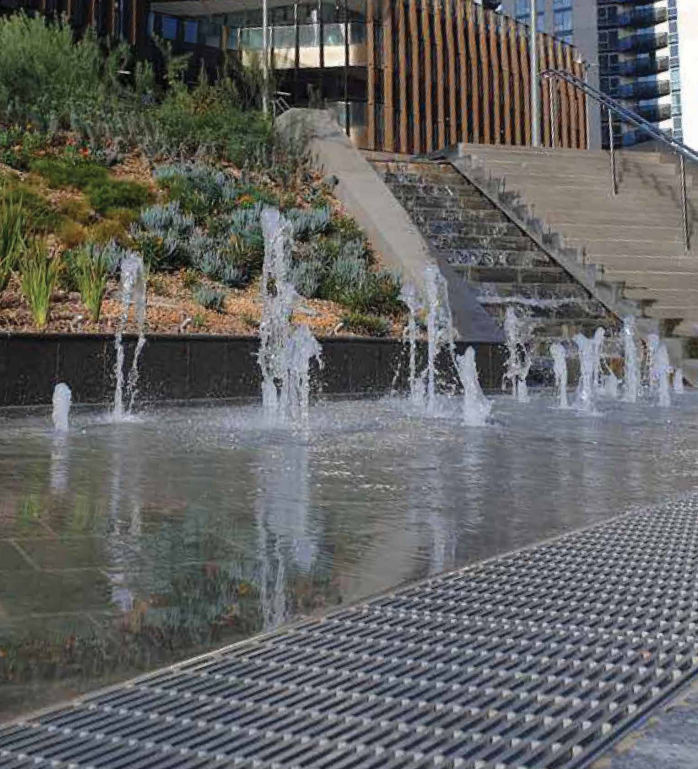
Density:
2300kg/m³

Mannings Roughness:
n=0.001



Creating positive change together





Polymer channels

AtlanChannel is revolutionising polymer concrete products as the first in Australia to be manufactured locally using up to 80% recycled glass feedstock instead of virgin quarried minerals.

The recycled material acts as a bonded, high compressive strength filler, optimising the product's design to create a stronger and more durable polymer concrete channel.

Produced in a solar-powered manufacturing process, AtlanChannel supports carbon reduction goals without compromising quality or performance. These eco-friendly innovations are delivered at no added cost, ensuring both environmental and economic benefits.

In addition to its sustainability credentials, AtlanChannel offers a high-strength alternative to precast concrete products, delivering significant weight advantages and manual handling benefits.

Two channel profiles are available. A Slab profile for installations with depth restrictions in 60mm, 80mm and 100mm depths. Or a V-profile in a range of depths from 120mm to 400mm.

- EN1433:2002 Drainage Channels for Vehicular and Pedestrian Areas
- AS3996:2019 Grates
- AS4586:2013 Slip Resistance Classification for New Pedestrian Surfaces
- AS1428.1 Design for Access and Mobility



Grates: Galvanised Steel

MODEL	DESCRIPTION	SUITS DRAIN RANGE	CLASS LOAD	WIDTH	LENGTH
G101	BLACK DUCTILE HEEL GUARD GRATE	100 Clear Opening	D	100	500
G102	GALVANISED DUCTILE HEEL GUARD GRATE	100 Clear Opening	D	100	500
G105	GALVANISED GRIPTECH HEEL GUARD GRATE	100 Clear Opening	B	100	1000
G201	BLACK DUCTILE HEEL GUARD GRATE	100 Clear Opening	D	200	500
G202	GALVANISED DUCTILE HEEL GUARD GRATE	100 Clear Opening	D	200	500
G205	GALVANISED GRIPTECH HEEL GUARD GRATE	100 Clear Opening	B	200	1000
G301	BLACK DUCTILE HEEL GUARD GRATE	100 Clear Opening	D	300	500
G302	GALVANISED DUCTILE HEEL GUARD GRATE	100 Clear Opening	D	300	500
G305	GALVANISED GRIPTECH HEEL GUARD GRATE	100 Clear Opening	B	300	1000

Polymer Channels

MODEL	DESCRIPTION	INTERNAL L mm	INTERNAL W mm	OVERALL DEPTH	CLASS LOAD	WEIGHT KG
GH100-60	POLYMER CHANNEL GALVANIZED STEEL	1000	100	60	D240	6.5
GH100-80	POLYMER CHANNEL GALVANIZED STEEL	1000	100	80	D240	9
GH100-100	POLYMER CHANNEL GALVANIZED STEEL	1000	100	100	D240	12.5
GV100	POLYMER CHANNEL GALVANIZED STEEL	1000	100	120	D240	13
GV110	POLYMER CHANNEL GALVANIZED STEEL	1000	100	170	D240	17
GV120	POLYMER CHANNEL GALVANIZED STEEL	1000	100	220	D240	19
GV130	POLYMER CHANNEL GALVANIZED STEEL	1000	100	270	D240	21
GV140	POLYMER CHANNEL GALVANIZED STEEL	1000	100	320	D240	24
GH200-130	POLYMER CHANNEL GALVANIZED STEEL	1000	200	130	D240	27
GV200	POLYMER CHANNEL GALVANIZED STEEL	1000	200	225	D240	33
GV210	POLYMER CHANNEL GALVANIZED STEEL	1000	200	275	D240	42
GV220	POLYMER CHANNEL GALVANIZED STEEL	1000	200	325	D240	52
GV300	POLYMER CHANNEL GALVANIZED STEEL	1000	300	325	D240	47
GH300-130	POLYMER CHANNEL GALVANIZED STEEL	1000	300	320	D240	34
GV400	POLYMER CHANNEL GALVANIZED STEEL	1000	400	425	D240	100

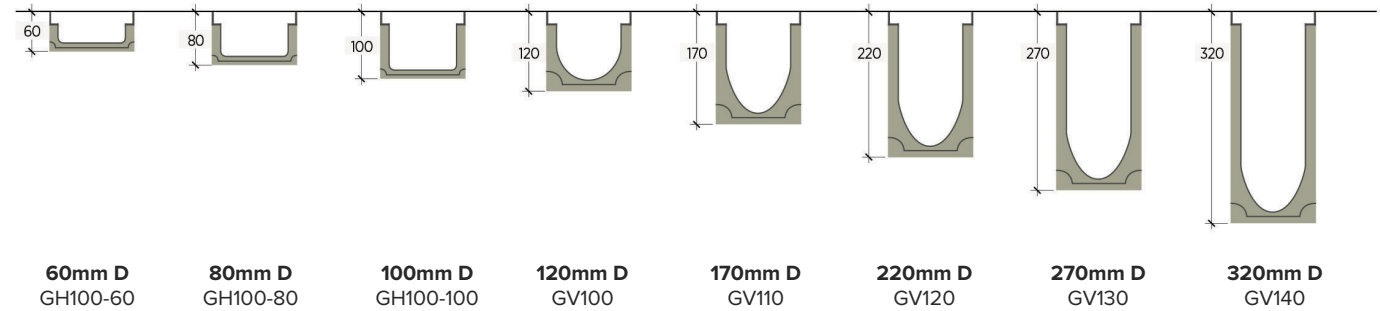
Galvanized Steel

Our galvanized steel range of grates deliver predictable performance and long-life corrosion protection across a range of applications. Ideal for internal drainage requirements or pedestrian access areas, parking garages, shopping centres, light industrial installations or commercial projects.

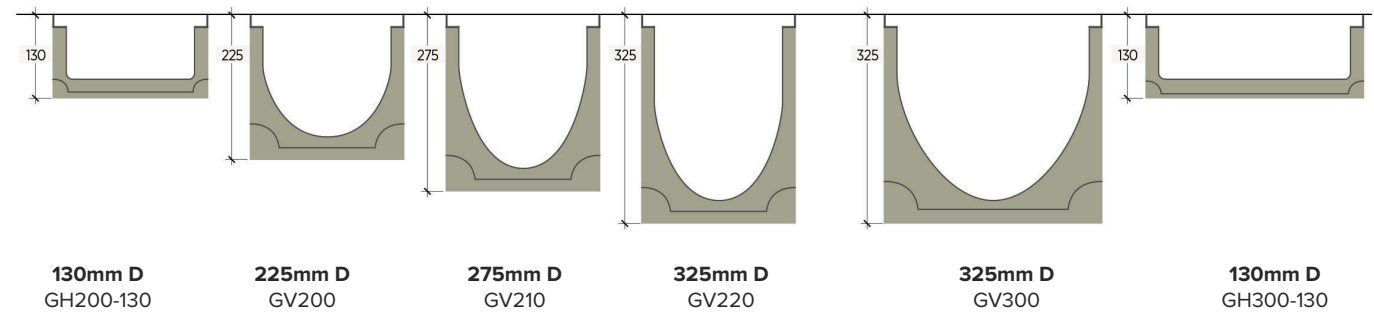
Available in three profiles with our integrated galvanized steel edge rails, including our Griptech™ design with Orca's patented anti-slip system. The range features Orca's heel guard attribute to prevent trip hazards, ensuring pedestrians and mobility aids can travel comfortably over the grating surface.

Load rated to Class D, with a P5 slip rating, these grates are available with 100mm, 200mm and 300mm GV channels or in a shallow GH profile for locations with depth restrictions.

- AS3996:2019 Grates
- AS4586:2013 Slip Resistance Classification for New Pedestrian Surfaces
- AS1428.1 Design for Access and Mobility

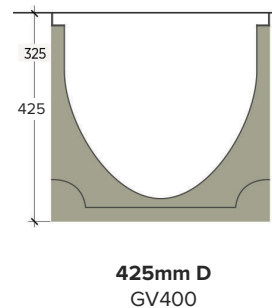


100mm CLEAR OPENING



200mm CLEAR OPENING

300mm CLEAR OPENING



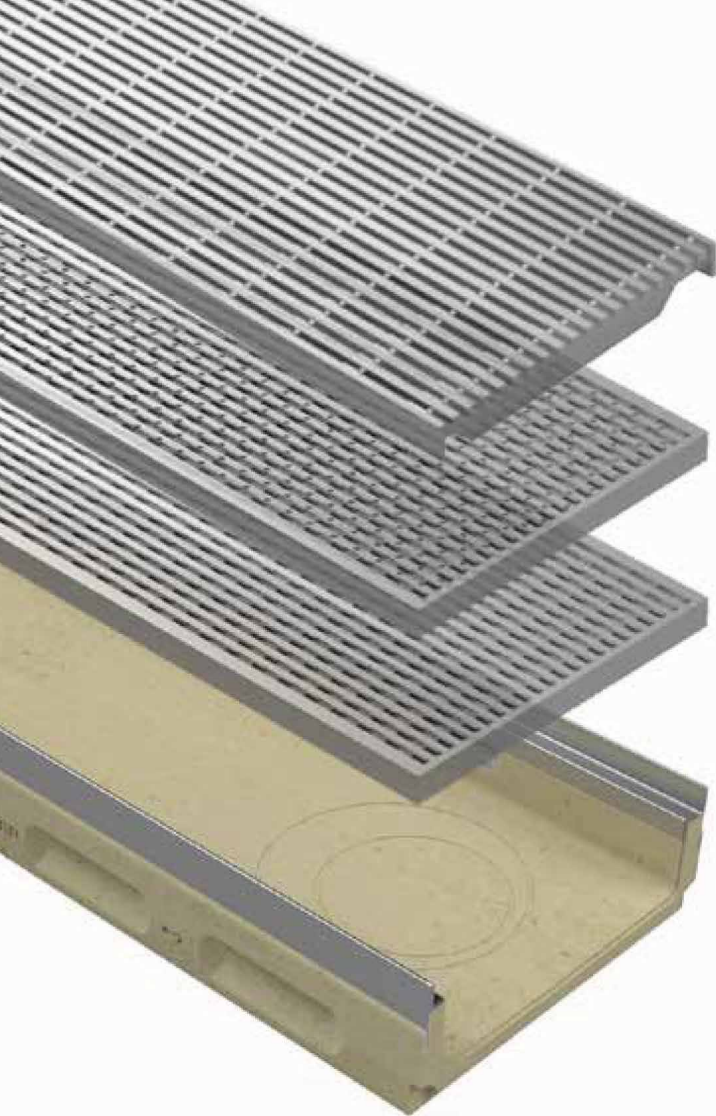
300mm CLEAR OPENING



SLIP
RESISTANT
RATING



COMPRESSIVE
STRENGTH



Grates: Stainless Steel

MODEL	DESCRIPTION	SUITS DRAIN RANGE	CLASS LOAD	WIDTH	LENGTH
G120	SS304 GRIPTECH HEEL GUARD GRATE	100 Clear Opening	B	100	1000
G122	SS316 GRIPTECH HEEL GUARD GRATE	100 Clear Opening	B	100	1000
G123	SS316 SMOOTH GRATE	100 Clear Opening	B	100	1000
G130	SS304 GRIPTECH HEEL GUARD GRATE	100 Clear Opening	D	100	1000
G220	SS304 GRIPTECH HEEL GUARD GRATE	100 Clear Opening	B	200	1000
G222	SS316 GRIPTECH ELECTROPOLISHED GRATE	100 Clear Opening	B	200	1000
G230	SS304 GRIPTECH HEEL GUARD GRATE	100 Clear Opening	D	200	1000
G320	SS304 GRIPTECH HEEL GUARD GRATE	100 Clear Opening	B	300	1000
G322	SS316 GRIPTECH HEEL GUARD GRATE	100 Clear Opening	B	300	1000
G330	SS304 GRIPTECH HEEL GUARD GRATE	100 Clear Opening	D	300	1000

Polymer Channels

MODEL	DESCRIPTION	INTERNAL L mm	INTERNAL W mm	OVERALL DEPTH	CLASS LOAD	WEIGHT KG
SH100-60	POLYMER CHANNEL STAINLESS STEEL	1000	100	60	D240	6.5
SH100-80	POLYMER CHANNEL STAINLESS STEEL	1000	100	80	D240	9
SH100-100	POLYMER CHANNEL STAINLESS STEEL	1000	100	100	D240	12.5
SV100	POLYMER CHANNEL STAINLESS STEEL	1000	100	120	D240	13
SV110	POLYMER CHANNEL STAINLESS STEEL	1000	100	170	D240	17
SV120	POLYMER CHANNEL STAINLESS STEEL	1000	100	220	D240	19
SV130	POLYMER CHANNEL STAINLESS STEEL	1000	100	270	D240	21
SV140	POLYMER CHANNEL STAINLESS STEEL	1000	100	320	D240	24
SH200-130	POLYMER CHANNEL STAINLESS STEEL	1000	200	130	D240	27
SV200	POLYMER CHANNEL STAINLESS STEEL	1000	200	225	D240	33
SV210	POLYMER CHANNEL STAINLESS STEEL	1000	200	275	D240	42
SV220	POLYMER CHANNEL STAINLESS STEEL	1000	200	325	D240	52
SV300	POLYMER CHANNEL STAINLESS STEEL	1000	300	325	D240	47
SH300-130	POLYMER CHANNEL STAINLESS STEEL	1000	300	320	D240	34
SV400	POLYMER CHANNEL STAINLESS STEEL	1000	400	425	D240	98

Stainless Steel

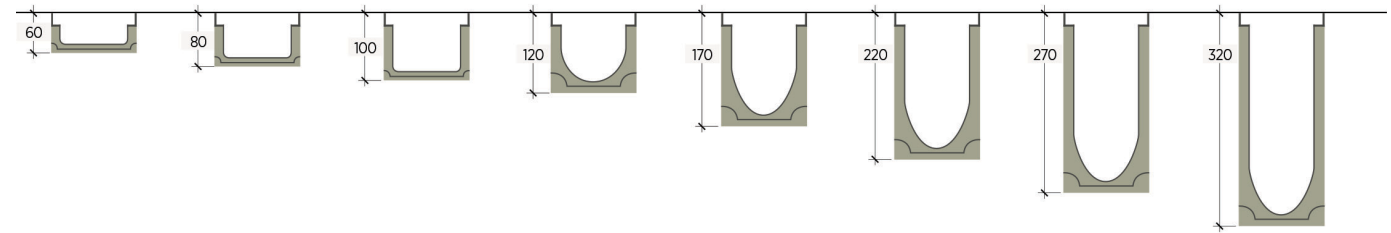
AtlanChannel stainless steel grates meet the performance and aesthetic criteria for streetscapes and commercial projects. Choose 304 Grade to satisfy visual design standards or 316 Grade to perform in marine locations and corrosive environments.

The stainless steel range offers three profiles that feature integrated stainless steel edge rails and our patented Griptech™ anti-slip system. Orca's heel guard attribute prevents trip hazards, ensuring high heels, bare feet and mobility aids can travel comfortably over the grating surface.

Load rated to Class D*, with a P5 slip rating, these grates are available with 100mm, 200mm and 300mm SV channels or in the shallow SH profile for locations with depth restrictions.

- S3996:2019 Grates
- AS4586:2013 Slip Resistance Classification for New Pedestrian Surfaces
- AS1428.1 Design for Access and Mobility

* Higher classes are available on request.



60mm D
SA100-60

80mm D
SH100-80

100mm D
SH100-100

120mm D
SV100

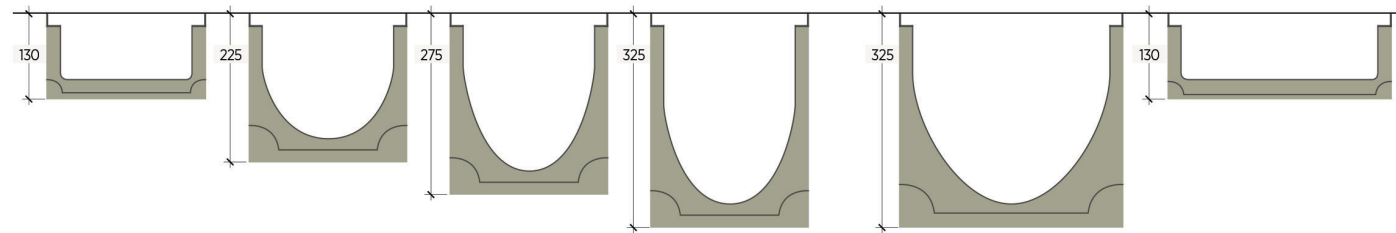
170mm D
SV110

220mm D
SV120

270mm D
SV130

320mm D
SV140

100mm CLEAR OPENING



130mm D
SH200-130

225mm D
SV200

275mm D
SV210

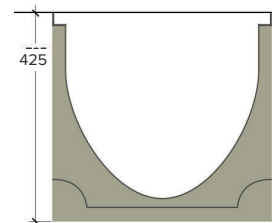
325mm D
SV220

325mm D
SV300

130mm D
SH300-130

200mm CLEAR OPENING

300mm CLEAR OPENING



425mm D
SV400

300mm CLEAR OPENING





Grates: Ductile Iron

MODEL	DESCRIPTION	SUITS DRAIN RANGE	CLASS LOAD	WIDTH	LENGTH
G125	BLACK DUCTILE HEEL GUARD GRATE	100 Clear Opening	E	100	500
G225	BLACK DUCTILE HEEL GUARD GRATE	200 Clear Opening	E	100	500
G325	BLACK DUCTILE HEEL GUARD GRATE	300 Clear Opening	E	100	500
G328	BLACK DUCTILE HEEL GUARD GRATE	300 Clear Opening	D	100	500

Polymer Channels

MODEL	DESCRIPTION	INTERNAL L mm	INTERNAL W mm	OVERALL DEPTH	CLASS LOAD	WEIGHT KG
CV110	POLYMER CHANNEL GALVANIZED STEEL	1000	100	170	D240	21
CV120	POLYMER CHANNEL GALVANIZED STEEL	1000	100	220	D240	23
CV130	POLYMER CHANNEL GALVANIZED STEEL	1000	100	270	D240	25
CV140	POLYMER CHANNEL GALVANIZED STEEL	1000	100	320	D240	27
CH200-130	POLYMER CHANNEL GALVANIZED STEEL	1000	200	130	D240	27
CV200	POLYMER CHANNEL GALVANIZED STEEL	1000	200	225	D240	33
CV210	POLYMER CHANNEL GALVANIZED STEEL	1000	200	275	D240	42
CV220	POLYMER CHANNEL GALVANIZED STEEL	1000	200	325	D240	50
CH300-130	POLYMER CHANNEL GALVANIZED STEEL	1000	300	130	D240	35
CV300	POLYMER CHANNEL GALVANIZED STEEL	1000	300	325	D240	104
CV400	POLYMER CHANNEL GALVANIZED STEEL	1000	400	425	D240	104

- AS3996:2019 Grates
- AS4586:2013 Slip Resistance Classification for New Pedestrian Surfaces
- AS1428.1 Design for Access and Mobility

Ductile Iron

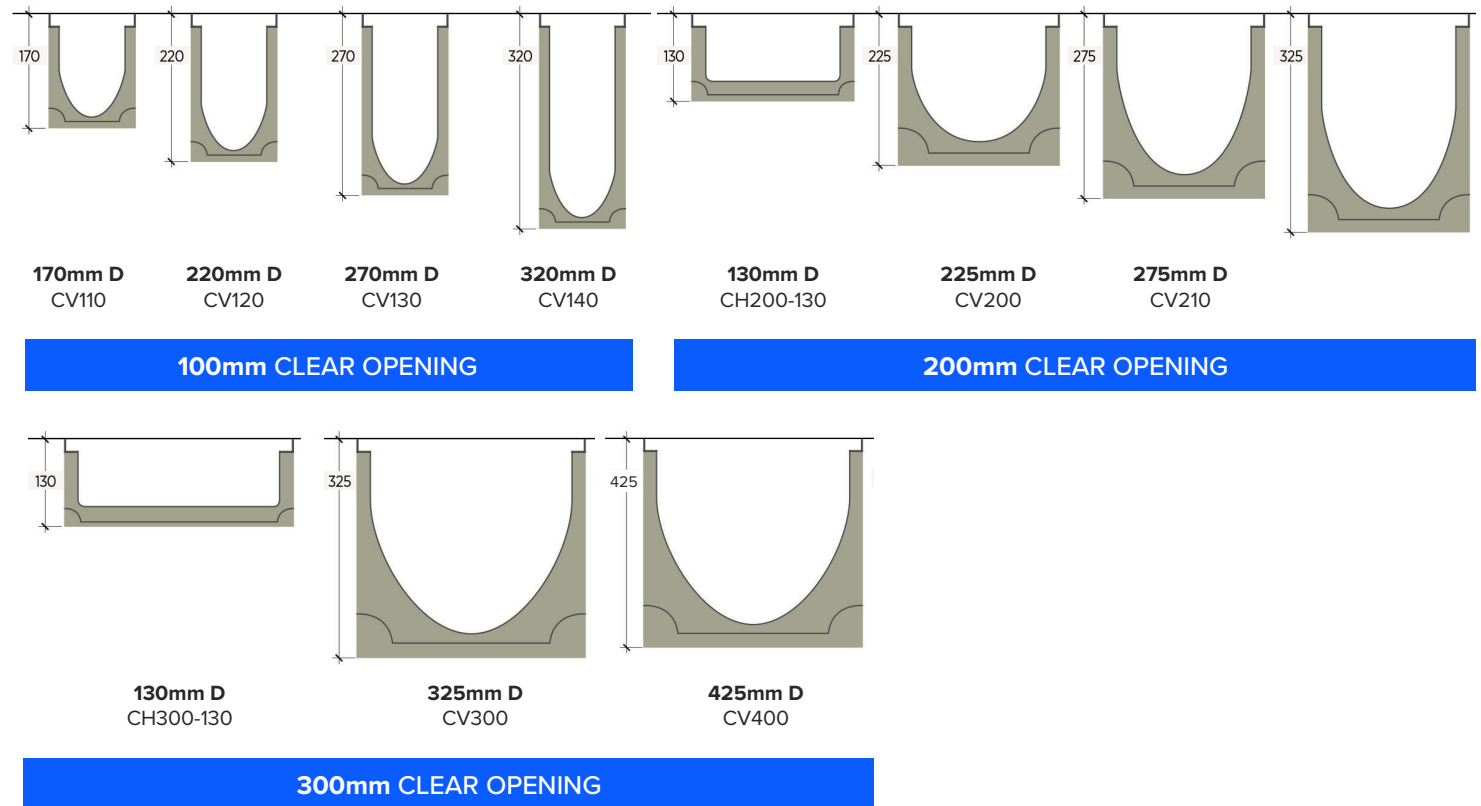
For heavy duty performance plus design aesthetic

AtlanChannels ductile iron range is engineered to excel in the most punishing conditions. Perfect for heavy-duty applications, it features ductile iron-edged polymer concrete channels and ductile iron grates that can withstand up to Class G loads.

The innovative anti-shunt system, exclusive to the ductile iron range, ensures the drain covers lock firmly in place to the channel, eliminating movement or failure over time, even under intense usage. This provides long-term reliability and safety in high-stress environments.

Available in two grate profiles, in 100mm, 200mm, and 300mm CV channels, or in the shallow CH profile for locations with depth restrictions. The ductile iron grate range boasts a P5 slip rating, resistance to weathering, acids, and alkalis, and is frost-proof and non-flammable.

This robust channel system also features Orca's heel guard attribute, ensuring safe and comfortable passage for pedestrians and mobility aids. It is the ideal choice for heavy-duty industrial areas, highways, petrol stations, airports, ports, truck stops, and any installation requiring high-performing, dependable drainage systems.



SLIP
RESISTANT
RATING



COMPRESSIVE
STRENGTH

Floating Treatment Wetlands

Biomimetic modules for environmentally-sound
& sustainable stormwater treatment



Supercharged Pollutant Removal

Exposed plant roots in the water column create a network of natural, biological stormwater treatment pathways. Providing increased surface area for biofilm growth, these microorganism hotspots drive sedimentation, nitrification, and reduce algal blooms.



Robust Riverway Performance

Meeting the demands of your project's community, climate and water conditions, our Floating Wetlands are designed with custom anchoring to meet the demands of your waterways – with extensive testing in areas subject to wave chop, water movement, wind loading and boating use.



Modular & Scalable Design

Modular systems allow for easy customisation and expansion based on water body size and treatment needs. Effective for municipal, industrial, and agricultural wastewater treatment.



Zero Land Use

Floating Wetlands occupy smaller site footprints and are designed for placement on open water bodies – improving land useability, community access and lot yield. Provides resilience against flooding and erosion.



Biomimicry of Natural Floating Islands

Biomimetic treatment asset that mirror the natural ecology of floating islands and provide the nutrient absorption and stormwater pollution removal capabilities of wetlands environments.



Improving Land Value

Constructed stormwater wetlands enhances waterfront beautification, amenity and water quality programs. Lifting property value and liveability, these green assets protect our waterways and can be retrofitted in existing ponds, lakes and streams.



Habitats for Local Fauna & Flora

Providing floating island habitats for local species, such as frogs, birds, turtles and fish, floating wetlands allow wildlife and plants to thrive. Mirroring natural wetlands, they can be customised with native plant selections and local flora to support biodiversity.



Sustainable Waterways

Floating Wetlands mimic natural green ecosystems – with minimal environmental impacts. They require no power to operate, the manufacturing process is low-energy, and the plants are eco-sourced to harmonise with natural vegetation. Helps mitigate climate change by capturing carbon dioxide through plant growth.



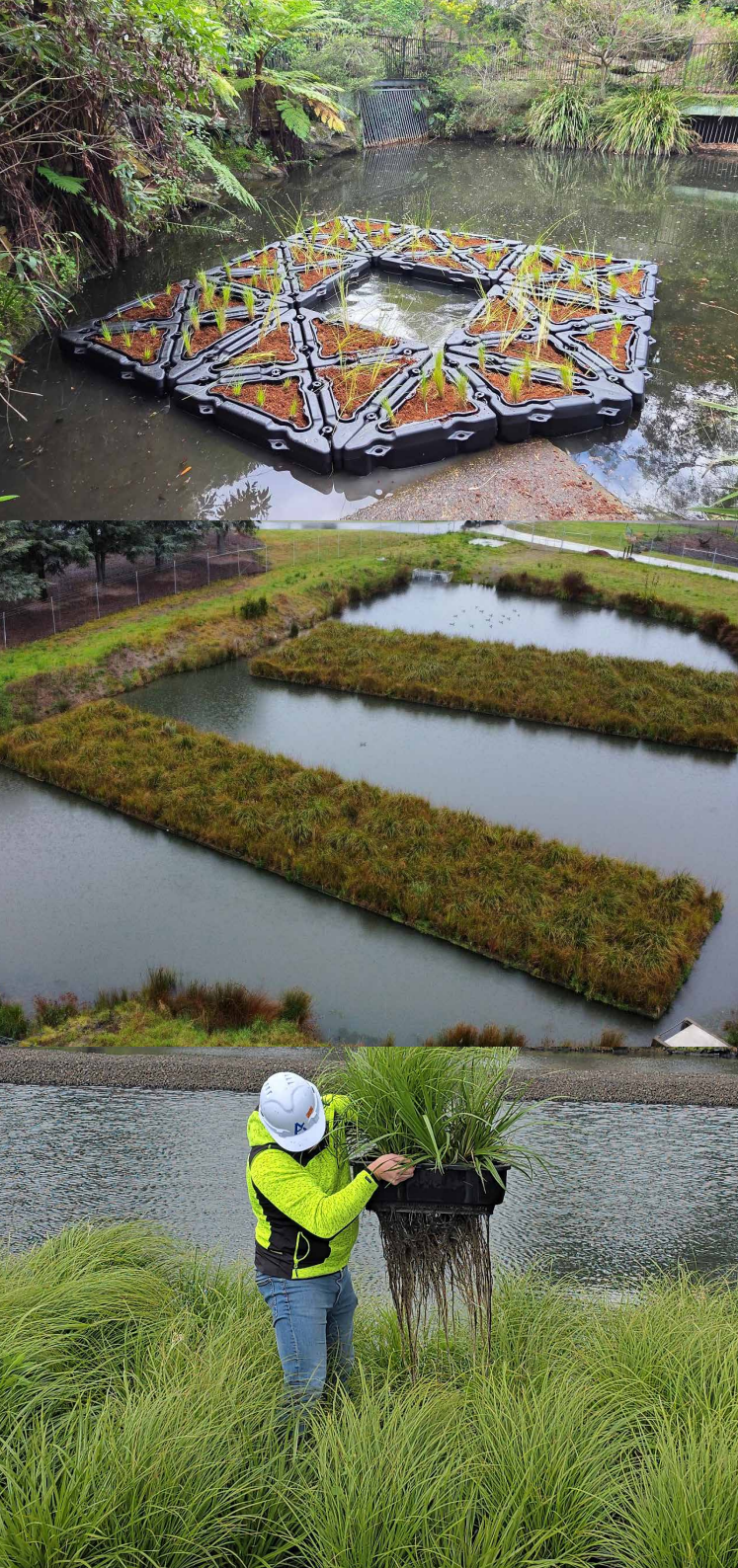
Plant Density

Recommended planting density is three to five plants per square metre with species selected for their superior root structures offering an increased surface area.



Environmental Product Declaration (EPD)





The Atlan Floating Treatment Wetlands are an innovative, nature-based water treatment solution designed to improve water quality by mimicking natural wetlands.

These floating platforms support aquatic plants whose roots extend into the water, absorbing pollutants such as nitrates, phosphates, heavy metals, and organic matter. Beneficial microbes colonise the plant roots, further enhancing pollutant breakdown and nutrient removal.

Made from durable, eco-friendly, and buoyant materials, Floating Wetlands are modular and scalable, making them adaptable for various water bodies, including lakes, rivers, reservoirs, ponds, and stormwater basins. They help control algae blooms, enhance dissolved oxygen levels, and provide habitat for fish, birds, and other aquatic life. Additionally, they contribute to climate resilience by sequestering carbon, preventing erosion, and reducing the impact of flooding.

Applications

- Municipal wastewater treatment
- Treatment of stormwater runoff
- Industrial wastewater treatment
- Stream and lake restoration
- Beautification of community facilities
- Golf courses or facilities that utilise treated wastewater effluent



Floating Treatment Wetlands can intercept floating pollutants.

In stormwater applications, the installation of Floating Wetlands into inlet zones or detention lagoons greatly enhances the stormwater cleaning process by removing:

- Total suspended solids
- Nutrients
- Gross pollutants
- Heavy metals
- Fine colloidal and particulates

Independently tested and validated, these systems provide high-rate performance in both average flow and storm events. Truly environmentally sound and sustainable, Floating Wetlands have a dramatic effect on:

- Anaerobic digestion
- Odour mitigation
- Nitrification processes
- Denitrification and polishing
- Biochemical oxygen demand
- Removal of TSS
- Reduction in faecal coliforms
- Reduction in phosphorus



Plant Selection for Maximum Efficiency

The plant species used in Atlan FTWs are carefully selected to suit the project's specific environment. They include a mix of wetland species from the sedge and rush families, suited for both freshwater and brackish conditions. Common species include:

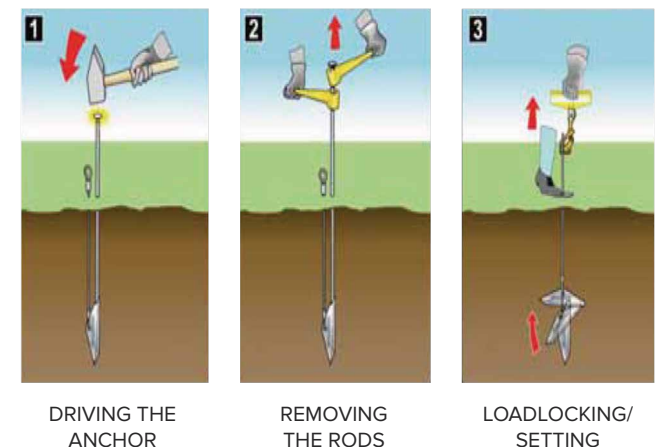
- Carex
- Juncus
- Ficinia
- Phragmites
- Schoenoplectus
- Lomandra
- Baumea

Anchoring and Tethering for Stability

Each floating wetland system is securely anchored to prevent movement. The anchoring and tethering solutions are customised based on local site conditions and may include:

- Platypus ground anchors
- Plow anchors
- Concrete blocks
- Fixed bank anchor points

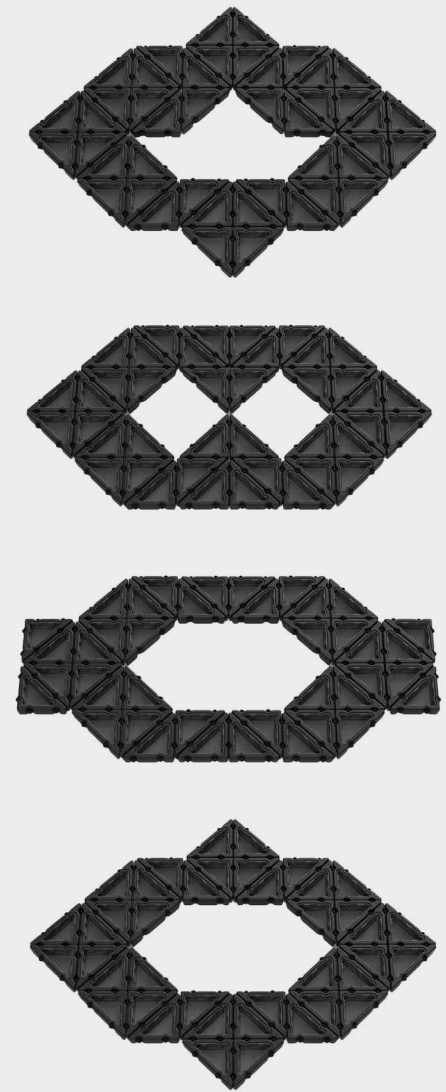
With its cutting-edge design and scientifically proven effectiveness, Atlan Floating Treatment Wetlands offer a sustainable, adaptable, and high-performance solution for restoring and maintaining healthy aquatic ecosystems.





Wind and Wave Movement Modelling

The Floating Wetlands have been modelled and tested to be installed in areas subject to wave chop and water movement mixed with wind loads. They are constructed with significant allowance for movement and flex, thus making them suitable for installations in areas exposed to boat and wave movement.



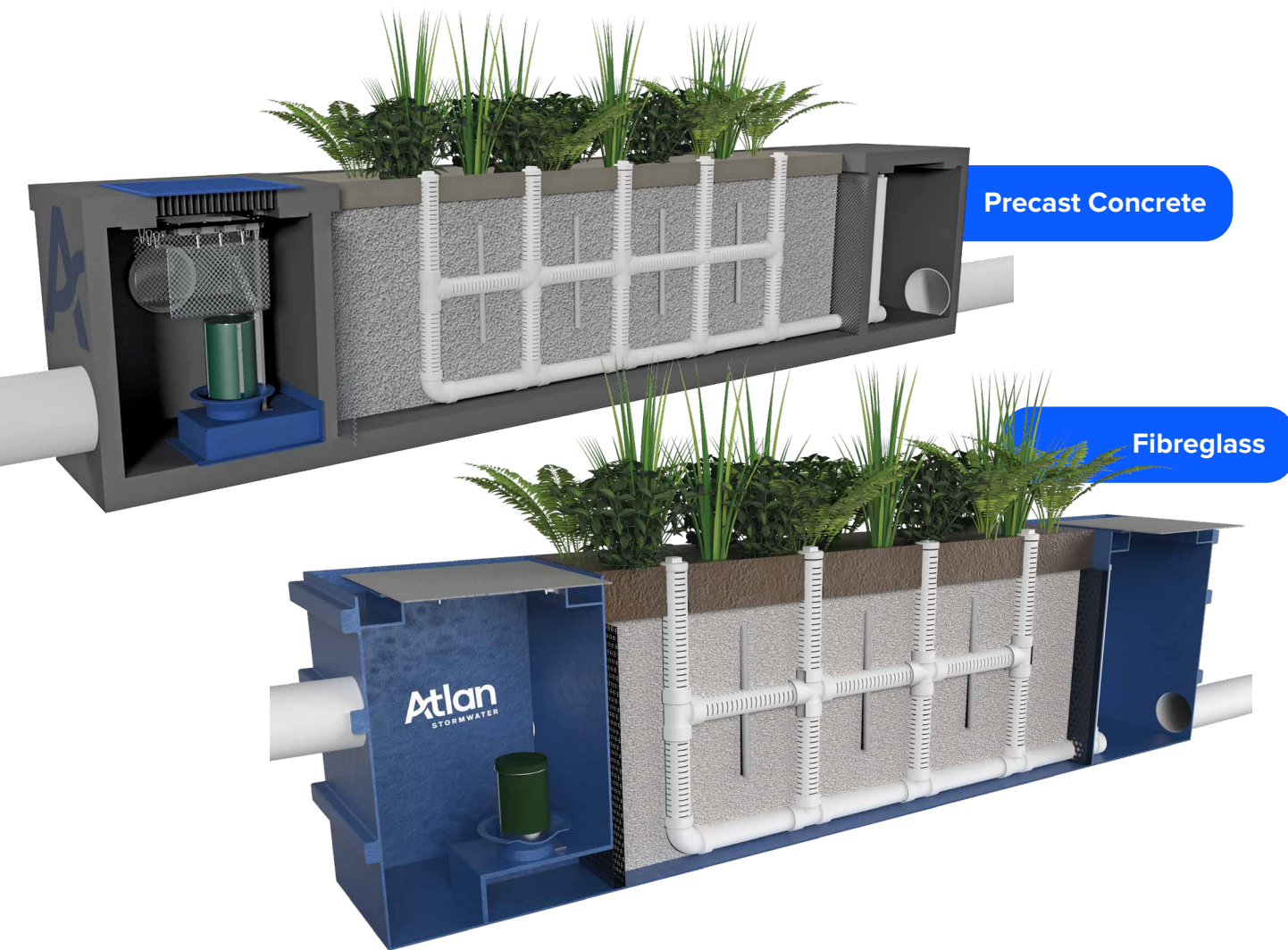
Customisable Solutions

Floating Treatment Wetlands are available in a range of customisable solutions from size, shapes, functionality and environmental capabilities. Our experienced team are available to guide you through the design process and can work with you to achieve your project goals.



AtlanBasin®

Modular bioretention basin



Advanced Stormwater Treatment

Combines high-capacity stormwater management with horizontal flow bioretention and multistage pre-treatment for superior pollutant removal, including sediment, gross pollutants, hydrocarbons, and nutrients.



Customisable Configurations

Scalable to diverse site-specific requirements with flexible flow rates, inlet designs, and sizing, including high-flow bypass options.



Integrated Pre-Treatment Chambers

Incorporates litter capture, sediment retention, and pre-filter cartridges for enhanced filtration efficiency and performance.



Durable and Long-Lasting

Constructed from robust materials, including precast concrete and fibreglass, to ensure reliable performance in varied environmental conditions while keeping maintenance requirements to a minimum.



Compliance and Optimisation

Meets local water quality standards and environmental regulations, with MUSIC modeling and SQIDEP approval for optimised performance.



Versatile Applications

Suitable for installations in residential, commercial, industrial, and retrofit projects, treating runoff from parking lots, roadways, and hardstand surfaces.



Flexible Installation

Adaptable to both above-ground and below-ground setups, with options for trafficable and non-trafficable zones.



Compact and Efficient Design

Pre-fabricated, self-contained system ensures a minimal on-site footprint, making it ideal for urban environments and space-constrained projects.



Our AtlanBasin® modular bioretention system is a highly advanced stormwater filtration system. Its size and capacity make it ideal for stormwater treatment scenarios that require high pollutant reduction in a small footprint.

It can be used in place of standard catch basin structures, rain gardens, bioretention cells and media filters. As a self-contained treatment train, it incorporates the following treatment components:

- Screening
- Hydrodynamic separation
- Media filtration
- Bioretention filter

The AtlanBasin is available in various sizes and inlet configurations, including high flow bypass. SQIDEP approved, its innovative design ensures high stormwater treatment performance capabilities in a condensed footprint.

Music Modelling

The AtlanBasin Modular Bioretention System is modeled, typically in MUSIC, for each project based on the site specific requirements.

Applications

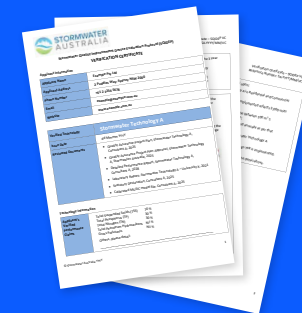
- Car parks & shopping centres
- Heavy vehicle maintenance areas
- Transport depots & loading bays
- Council depots
- Industrial estates
- Tunnel &, highways
- Recycling yards
- Airport aprons & tarmacs



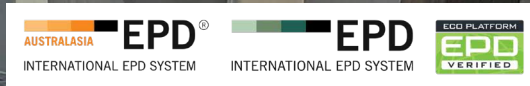
SQIDEP Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	99%
Total Suspended Solids (TSS)	86%
Total Phosphorus (TP)	65%
Total Nitrogen (TN)	50%

*Contact Atlan to confirm approved performance for the project LGA



AtlanBasin is SQIDEP approved after passing Stormwater Australia's rigorous testing and performance assessment process.



AtlanFilter®

Cartridge filter for tertiary stormwater treatment



Advanced Filtration Technology

Utilises up-flow filtration to effectively capture pollutants such as sediment, hydrocarbons, heavy metals, phosphorus, nitrogen, and total suspended solids (TSS).



Compact Design

AtlanFilter's compact, modular design suits tight spaces and supports unlimited cartridges. Raised 200mm off the ground, the legs help prevent clogging and extend media life.



High-Efficiency Inorganic Media

AtlanFilter's inorganic filter media ensures it doesn't leach nitrogen and other nutrients. Providing high removal efficiencies, the cartridge system is designed for high flow capacity and greater surface area for stormwater treatment.



Durable Construction

AtlanFilter's design has no moving parts which increases reliability, longevity and durability.



Environmental Product Declaration (EPD)



Versatile Applications

Suitable for manholes, OSD tanks, vaults, and both trafficable and non-trafficable zones, providing adaptable stormwater solutions.



Easy Installation and Maintenance

Lightweight, no-crane installation with straightforward maintenance, easy cartridge access for pollutant removal, and a highly effective vertical backwash action that keeps the media clean and fresh.



Flexible Flow Rate

Offers 3 LPS for full height and 1.5 LPS for half height filters, with SQIDEP-verified performance.



Sustainable Performance

Inorganic media prevents nutrient leaching, ensuring efficient and reliable treatment outcomes.



Locally Manufactured

Manufactured locally to ensure competitive pricing and reduce delivery times.

Tertiary Stormwater Filtration Cartridges

Our cartridge filter system, AtlanFilter®, is a tertiary stormwater filtration system that incorporates an upflow treatment process which maximises surface treatment area. Flow through the filter cartridges utilises a self-regulating siphon which results in a low maintenance and high performance treatment of stormwater runoff. The automatic backwash at the end of each storm event further lengthens the lifespan of the stormwater treatment filter.

Hydraulic pressure forces water through the filter media — causing a constant velocity throughout the filter area realising a consistent media contact time and therefore treatment. Upon completion of a stormwater treatment cycle, the filter backwashes and effectively dislodges particulates from the filtration layers.

Applications

- Car parks & shopping centres
- Council depots
- Industrial estates
- Heavy vehicle maintenance
- Airport aprons & tarmacs
- Transport depots & loading bays
- Tunnels
- Highways & transport corridors
- Recycling yards



SQIDEP Tested Treatment Efficiencies*

AtlanFilter is SQIDEP approved after passing Stormwater Australia’s rigorous testing and performance assessment process.

POLLUTANT	EFFICIENCY
Total Suspended Solids (TSS)	85%
Total Phosphorus (TP)	74%
Total Nitrogen (TN)	59%

*Contact Atlan to confirm approved performance for the project LGA



New Jersey Corporation for Advanced Technology (NJCAT) Verification Program



Emerging Stormwater Treatment Technologies (TAPE)

AtlanFilter’s performance has been verified through the Washington State Department of Ecology TAPE program (Technology Assessment Protocol – Ecology), which demonstrates the ongoing research, development, and field testing of our tertiary stormwater treatment range.

The TAPE program is a rigorous, peer-reviewed certification process, and the leading American protocol for validating device performance.

TREATMENT CATEGORY	TAPE DESIGNATION
Basic (total suspended solids)	Conditional Use Level Designation (CULD)
Phosphorus	Conditional Use Level Designation (CULD)
Dissolved metals	Pilot Use Level Designation (PULD)



ATLANFILTER	STANDARD HEIGHT FIL-3.0	STANDARD HEIGHT - SHORT LEGS FIL-3.0.SF	HALF HEIGHT FIL-1.5	HALF HEIGHT - SHORT LEGS FIL-1.5.SF
Overall height	850mm	750mm	615mm	515mm
Diameter	726mm	726mm	726mm	726mm
Minimum head required	850mm	750mm	550mm	450mm
Treatment flow rate	3.0L/s	3.0L/s	1.5 L/s	1.5 L/s
Filter outlet diameter	50mm	50mm	50mm	50mm



How It Works

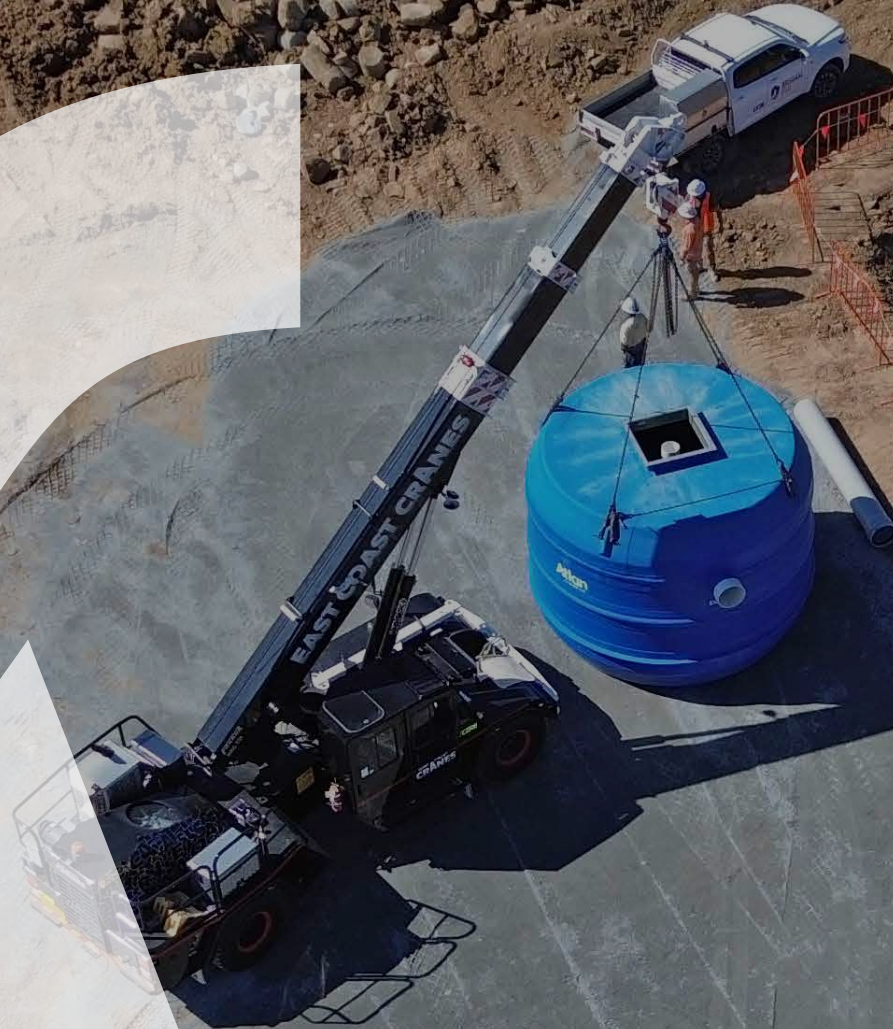
The AtlanFilter has an upflow treatment process that maximises surface area. The innovative cartridge filter system provides excellent pollutant removal in a small footprint.

Hydraulic pressure forces water through the filter media, which discharges through the centre tube and out through the outlet collection manifold.

Upon completion of a treatment cycle, each cartridge backwashes and effectively dislodges particulates from the filtration layers. This reestablishes filter media porosity. The dislodged particles accumulate on the vault floor for easy removal during maintenance. AtlanFilter's design has no moving parts and generates a true siphon effect.

AtlanFilters are often installed downstream of nearby devices in a treatment train. For example, an Atlan GPT upstream greatly increases the life cycle interval of the AtlanFilter. These devices will remove larger gross pollutants, coarse sediments, total suspended solids and hydrocarbons - enabling the AtlanFilter to target fine particulate matter and nutrients.





FlowFilter

Cartridge filter for tertiary stormwater treatment



Effective Pollutant Removal

Proven to remove heavy metals, TSS, phosphorus, and nitrogen, tested for superior pollutant capture.



High Flow Capacity

Verified for flow rates of 4 LPS per filter cartridge, with treatment flow rates from 2.5 to 156 LPS in offline configurations.



Compact & Efficient

Reduces the footprint of WSUD on constrained projects. Requires only 250mm of hydraulic head, ideal for flat or low-gradient sites.



Durable Construction

Built with robust materials for long-lasting performance in demanding conditions. Suitable for a variety of environments, including areas with heavy traffic.



Low Maintenance

Designed for easy access and minimal servicing requirements to reduce operational costs.



Flexible Configurations

Available in both offline and custom-designed inline systems for a wide range of applications.



Retrofit Ready

Easily adaptable for use in both new developments and existing infrastructure upgrades.



Lightweight & Easy Installation

Minimal lifting requirements—no crane needed, simplifying installation and reducing costs.



Locally Manufactured

Manufactured, designed, and engineered in our national production facilities. Built to last with a 25-year warranty and a 100-year design life.



Applications

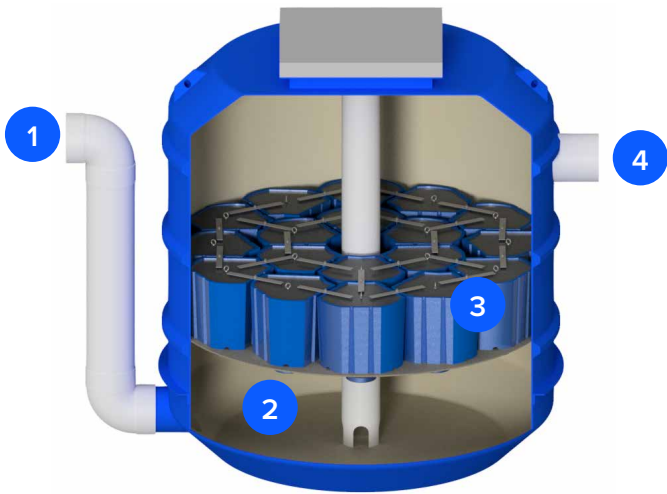
- Car parks & shopping centres
- Council depots
- Industrial estates
- Heavy vehicle maintenance
- Transport depots & loading bays
- Tunnels
- Highways & transport corridors
- Recycling yards
- Airport aprons & tarmacs



FlowFilter is a specialist stormwater filtration system that is purpose-built to reduce the footprint of WSUD on constrained projects. Manufactured, designed, and engineered in Australia using fibre-reinforced polymer (FRP) this generational asset is supplied with a 25-year warranty & 100-year design life.

This innovative approach to stormwater treatment uses an up-flow filtration process. With minimal head drop required between inlet and outlet, these devices are suitable for installation on flat sites or low gradient developments. The stormwater is treated within the unit by the following processes: sedimentation, filtration, adsorption, and precipitation.

The FlowFilter has been extensively laboratory and field tested for the removal of pollutants – including heavy metals, total suspended solids (TSS), and nutrients (Phosphorous and Nitrogen).



Operating System

1. Stormwater from catchment enters the offline FlowFilter inlet.
2. Sediment is retained within the sump area.
3. Filter cartridges operate in an up-flow process. The fine sediment is physically removed, and dissolved pollutants are precipitated and adsorptively bound to the filtration media.
4. Treated water flows from cartridges to outlet and into downstream water network.



SQIDEP Tested Treatment Efficiencies*

FlowFilter is SQIDEP approved after passing Stormwater Australia's rigorous testing and performance assessment process.

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	100%
Total Suspended Solids (TSS)	95%
Total Phosphorus (TP)	93%
Total Nitrogen (TN)	45%
Lead (Pb)	90%
Zinc	53%

*Contact Atlan to confirm approved performance for the project LGA



Emerging stormwater treatment technologies TAPE Designation

FlowFilter is one of our flagship TAPE designated devices through the Washington State Department of Ecology TAPE program (Technology Assessment Protocol – Ecology), America's leading protocol for validating stormwater device performance.

TREATMENT CATEGORY	TAPE DESIGNATION
Basic (total suspended solids)	Conditional Use Level Designation (CULD)
Phosphorus	Conditional Use Level Designation (CULD)



Canadian Environmental Technology Verification (ETV)

FlowFilter's performance has been verified through Canada's Environmental Technology Verification (ETV) program, which provides an independent evaluation of new technologies with a view to validate environmental claims so that users, developers, regulators, and other parties can make informed decisions about purchasing, applying and regulating innovative technologies.



Models

MODEL	NO. CARTRIDGE	TFR (LPS)	ID (m)	HEIGHT (m)	INLET/ OUTLET (mm)
400 SERIES					
FLF.400/1	1	2.5	1.13	1.5	100
FLF.400/2	2	5			
FLF.400/3	3	7.5			
1200 SERIES					
FLF.1200/3	3	12	1.20	2.60	225
1500 SERIES					
FLF.1500/4	4	16	1.50	2.00	225
FLF.1500/5	5	20			
FLF.1500/6	6	24			
1850 SERIES					
SFLF.1850/7	7	28	1.85	2.00	225
2200 SERIES					
FLF.2200/7	7	28	2.20	2.50	225
FLF.2200/8	8	32			
FLF.2200/9	9	36			
2500 SERIES					
FLF.2500/10	10	40	2.50	2.70	300
FLF.2500/11	11	44			
FLF.2500/12	12	48			
FLF.2500/13	13	52			
FLF.2500/14	14	56			
FLF.2500/15	15	60			
FLF.2500/16	16	64			



MODEL	NO. CARTRIDGE	TFR (LPS)	ID (m)	HEIGHT (m)	INLET/OUTLET (mm)
3000 SERIES					
FLF.3000/17	17	68	3.00	2.85	300
FLF.3000/18	18	76			
FLF.3000/19	19	76			
FLF.3000/20	20	80			
FLF.3000/21	20	84			
3500 SERIES					
FLF.3500/22	22	88	3.50	2.95	375
FLF.3500/23	23	92			
FLF.3500/24	24	96			
FLF.3500/25	25	100			
FLF.3500/26	26	104			
FLF.3500/27	27	108			
FLF.3500/28	28	112			
FLF.3500/29	29	116			
FLF.3500/30	30	120			
FLF.3500/31	31	124			
4000 SERIES					
FLF.4000/32	32	128	4.00	3.25	375
FLF.4000/33	33	132			
FLF.4000/34	34	136			
FLF.4000/35	35	140			
FLF.4000/36	36	144			
FLF.4000/37	37	148			
FLF.4000/38	38	152			
FLF.4000/39	39	156			



FlowGuard

Stormwater filtration treatment in grated drains



Effective Pollutant Capture

Filters hydrocarbons, heavy metals, total phosphorus (TP), and total nitrogen (TN), ensuring safe disposal during routine maintenance.



Modular Design

Treats stormwater in two steps—settling solids/particulates and absorbing dissolved contaminants in the filter media.



Advanced Flow Control

Regulates stormwater discharge rates to prevent downstream flooding and manage peak flows.



Environmental Product Declaration (EPD)



Compatible with AtlanChannel*

Seamless integration combines advanced filtration with high-capacity drainage.

[AtlanChannel](#) sold separately (optional).



Compact Channel Insert

Fits into 300mm wide grated drains with a minimum depth of 350mm, ideal for a t-source stormwater treatment.



Precision Design

Includes adjustable or fixed flow control options to suit specific site requirements.



Durable Materials

Constructed with high-quality, corrosion-resistant materials for long-lasting performance in harsh environments.



Ease of Installation

Prefabricated units allow for quick and cost-effective deployment on-site, reducing downtime and operational costs.



Low Maintenance

Designed for easy access and cleaning, reducing maintenance time and costs.



Versatile Applications

Suitable for high-traffic areas, industrial sites, car parks, roads, and metal roofs to treat stormwater at site level.

The FlowGuard is suitable for both pit and channel installations and is designed for areas that would benefit from at source stormwater treatment, which would otherwise be bypassed.

This allows stormwater from high traffic areas (car parks and roads), industrial areas and metal roofs to be cleaned at site level, and then discharged safely to ground or surface water bodies locally.

The FlowGuard's modular design means that the stormwater is treated in two steps:

1. Solids and particulates are settled in the first step.
2. Dissolved contaminants are then absorbed in the filter media.

The FlowGuard filters and binds pollutants such as hydrocarbons, heavy metals, total phosphorus (TP) and total nitrogen (TN). These pollutants can then be disposed of safely and easily during routine maintenance

- Stormwater treatment of surface levels
- Gross pollutant sediment, and nutrient capture
- Insert into 300mm wide channel drain or pits
- Sites with little or flat grade
- No underground vault for cartridges
- Quick and easy installation and maintenance

Applications

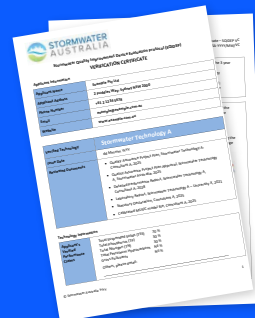
- Commercial
- Industrial
- Residential



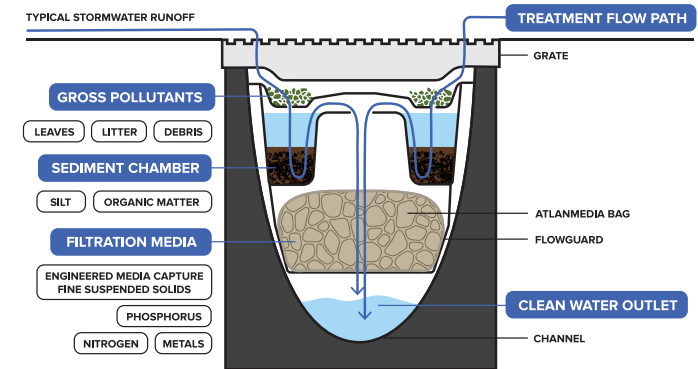
SQIDEP Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	100%
Total Suspended Solids (TSS)	88%
Total Phosphorus (TP)	69%
Total Nitrogen (TN)	67%
Petroleum Hydrocarbon	0%

*Contact Atlan to confirm approved performance for the project LGA



FlowGuard is SQIDEP approved after passing Stormwater Australia's rigorous testing and performance assessment process.



How it works

Modular design for ecological line drainage

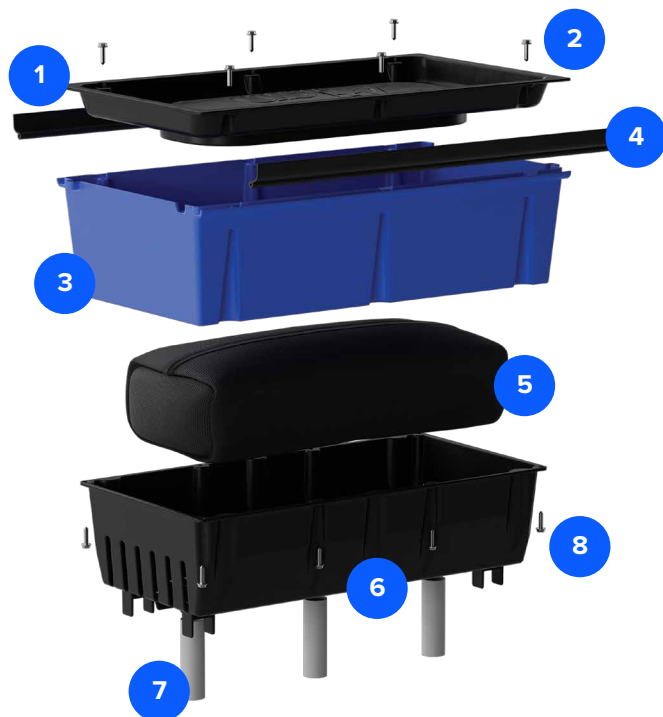
The innovative modular design is based on a standard 300mm channel & trench grate width. There is no need to make site specific or bespoke design amendments to the channel drainage runs.

The modular interior of the FlowGuard

- The Sedimentation Chamber removes coarse constituents, such as gravel, leaves and other solids or gross pollutants.
- The rubber seal to the outside ensures no waters can by-pass this chamber within the channel.
- The sediment box is situated prior to the media bag and captures silt and organic matter, which helps reduce maintenance.



FlowGuard Components



- 1 Top Cover
- 2 x6 Fixing Screws
- 3 Centre Bowl
- 4 Rubber Seal
- 5 Media Bag
- 6 Basket
- 7 Optional x3 PVC Supporting Pipes
- 8 x8 Fixing Screws



Modular Design

An innovative filtration solution, the FlowGuard is designed to meet a concrete nominal width of 300mm. Planners are not required to make any alternations in the drainage plan if they want to treat the water with the FlowGuard.

The modular interior of the FlowGuard:

1. The top cover is primary treatment capturing solids such as stones, leaves, and suspended particles on. The rubber lip ensures sealing around the edges – for the reliable differentiation for subsequent filtration.
2. The pretreated rainwater passes through the sedimentation box and the organic and silt pollutants will be captured.
3. The filtered water flows over the media bag into the open area of the channel and is discharged per normal site requirements.

FlowGuard Process

- Water comes from the surface to the FlowGuard.
- The centre bowl catches coarse solids, such as gravels, chippings, leaves and other solids.
- The rubber seal ensures a water tight seal is maintained.
- The pre-treated water passes through the media bag, and the organic and silt pollutants are removed.
- The filtered water flows over the baffle into the free flow area of the channel. It can then be re-used, or discharged to surface or ground water via infiltration.



AtlanTrap[®]

At-Source Gross Pollutant Trap



Efficient At-Source Gross Pollutant Capture

Designed to capture gross pollutants, sediment, litter, microplastics, oil and grease effectively within stormwater drains, pits and catch basins.



Engineered for Water Quality

A decentralised SQID (stormwater quality improvement device), aligning with LID (Low Impact Development) and WSUD (Water Sensitive Urban Design) criteria for sustainable water management.



Adjustable Design

Standard sizes:

- 450x450mm
- 450x600mm
- 600x600mm
- 900x600mm
- 900x900mm

Custom combinations of our standard range can be accommodated with specific framing and support systems. Contact us to discuss your project.



MUSIC Modelling

MUSIC modelling available to facilitate stormwater treatment train design, combinations with bioretention or other Atlan systems.



Retrofit Capability

Easily integrates into new or existing stormwater infrastructure, repurposing traditional systems to meet specific site water quality goals.



Ease of Maintenance

Direct grate access from site surface level, making cleaning faster and simpler with conventional vacuum suction equipment.

AtlanTrap (formerly StormSack) is a SQIDEP-verified water quality device that provides GPT and filtration capabilities for stormwater treatment and WSUD (Water Sensitive Urban Design) applications.

Easily retrofitted into new or existing structures, AtlanTrap filtration technology offers a decentralised approach to stormwater treatment. This system allows conventional infrastructure, such as stormwater drains, kerb inlets, pits and catch basins, to be repurposed and customised to meet site-specific water quality goals.

Ideal for deployment directly in stormwater catchments to capture pollutants close to surface level – AtlanTrap is easy to install and maintain.

AtlanTrap's serviceability from ground level reduces operational costs by ensuring direct, quick and safe access during maintenance and clean-outs.

Applications

- Council storm drain retrofits
- Commercial / retail / residential
- Litter prone urban areas
- Scrap metal / solid waste / oil storage
- Part of treatment train
- Construction sediment / erosion

Maintenance

The AtlanTrap must be checked on a regular basis to assess whether it requires maintenance or cleaning. In accordance with WSUD requirements, AtlanTrap bags should be routinely cleaned out and inspected 2-4 times a year. This maintenance frequency depends on the level of pollutants and site conditions. However, the design of the AtlanTrap makes it easier and quicker for service technicians to clean than alternative on-site Gross Pollutant Trap systems (GPTs).



SQIDEP Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	100%
Total Suspended Solids (TSS)	45%
Total Phosphorus (TP)	47%
Total Nitrogen (TN)	25%

*Contact Atlan to confirm approved performance for the project LGA

Research Verified Removal Rates

POLLUTANT	EFFICIENCY
Microplastics	35-88%



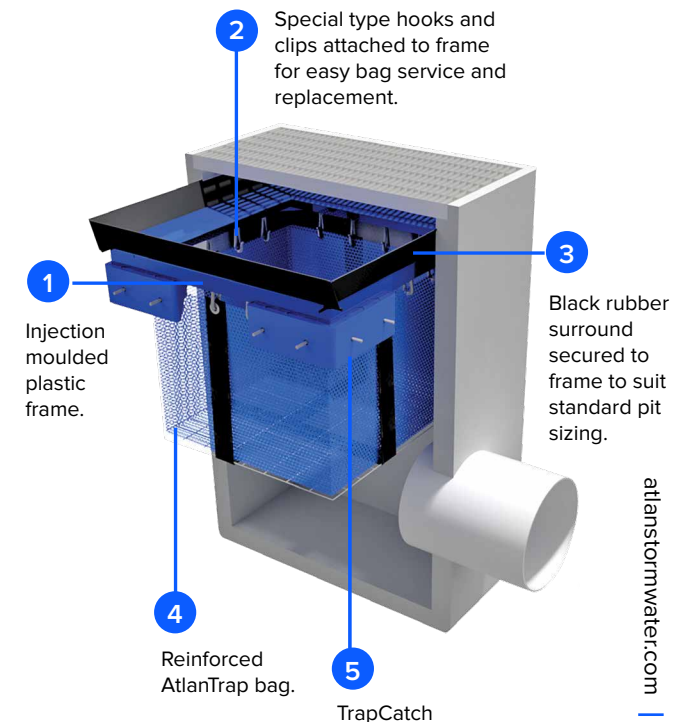
AtlanTrap is SQIDEP verified after passing Stormwater Australia's rigorous testing and performance assessment process.

How it works

The AtlanTrap is a SQIDEP-verified Gross Pollutant Trap (GPT) which allows pollutants to be captured close to site surface level. Installed underneath grates in locations such as driveways and kerb inlets, AtlanTrap's bag is designed to screen a wide range of urban stormwater pollution including gross pollutants, sediment, litter and microplastics.

As water flows through AtlanTrap's durable, permeable bag, it captures stormwater pollutants such as litter (gross pollutants), sediment, and nutrients (phosphorus and nitrogen).

This high-performance Stormwater Quality Improvement Device (SQID) provides effective capture of solid pollutants and debris typical of urban runoff, and can be installed in existing or new stormwater drain infrastructure.





Ecoceptor[®]

Inline gross pollutant trap (GPT)



Hydrodynamic Inline GPT

Designed to separate pollutants with low-velocity conditions and extended dwell times, delivering water quality outcomes that comply with Australian statutory guidelines.



Efficient Pollutant Capture

Captures sediments, silt, total suspended solids, and oil and grease; oil is contained in all flow events in a designated “oil-capture” zone.



Robust Fibreglass Construction

Constructed from durable fibreglass, the Ecoceptor is lightweight yet strong, facilitating easy installation and long-term reliability.



Pre-Assembled for Efficiency

Delivered fully assembled, reducing installation time and crane costs; suitable for all trafficable zones (including truck Class D with proper concrete slab installation).



Trafficable Installation

Rated for vehicular (Class D) zones with appropriate concrete slab installation, ensuring flexibility for high-traffic areas.



High Flow Capacity

Standard units handle flow rates up to 2800 LPS with pipe sizes ranging from 150mm to 1800mm; custom sizes available on request.



Bypass Operation

Equipped with a bypass mechanism to prevent backup during heavy rainfall events, ensuring continuous operation without overflow.



Streamlined Maintenance

Cylindrical shape with a sloped, cone-configured base centralises sediment, making cleaning simple and efficient.



Locally Manufactured

Locally fabricated in our National FRP production facilities to meet ISO9001 Quality Standards.



Applications

- Shopping precincts
- Commercial zones
- Recreational grounds
- Light industrial areas
- Beaches and parks

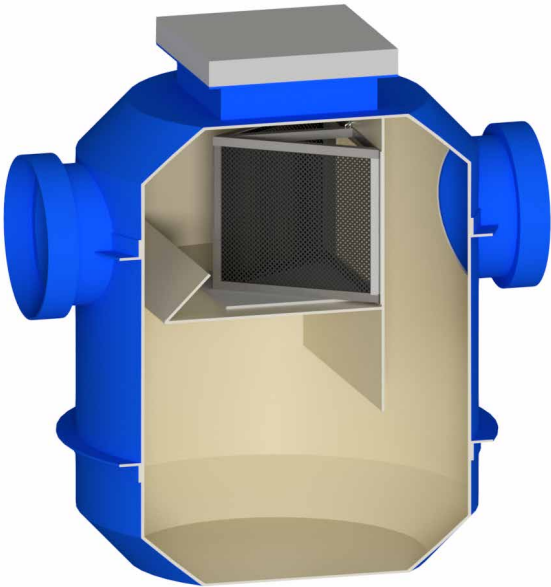
The Ecoceptor® is a hydrodynamic inline Gross Pollutant Trap (GPT) with a unique treatment action that produces low velocity conditions (and extended dwell times to separate pollutants), resulting in discharge water quality outcomes complying to statutory guidelines across Australia.

This device separates and captures sediments, silt, total suspended solids, and oil and grease. Oil and grease rise to the “oil-capture” zone of the treatment chamber and are contained in all flow events.

Areas with a high fraction of impervious surfaces that require stormwater treatment are ideal for the Ecoceptor. These include car parks, ports, streetscapes, roads, subdivisions, and industrial estates.

The one-piece, self-contained fibreglass construction, is lightweight, yet robust in strength, making it simple and cost-effective to install.

MUSIC node is available on request.



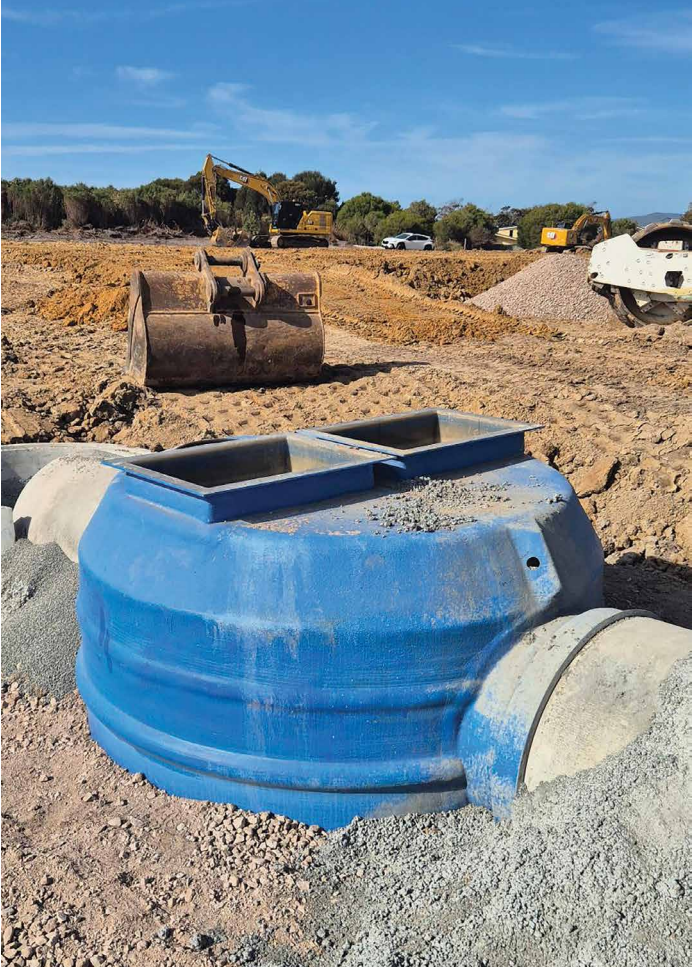
Class 3 Ecoceptor

The Class 3 Ecoceptor acts as a gross pollutant trap (GPT) and improves stormwater quality.

These devices separate and capture gross pollutants, sediments and silt. Light liquids (petroleum hydrocarbons) rise to the top of the lower chamber while sludge settles on the bottom.

Ecoceptor Specifications

SERIES	MUSIC NODE (LPS)	BY-PASS FLOW (LPS)	WEIGHT (KG)	TANK BARREL ID (MM)	OVERALL HEIGHT (MM)	SILT CAPACITY (L)	HYDRO-CARBON CAPACITY (L)	PIPE SIZE (MM)	INVERT LEVEL (MM) NO LID	APPROX WORKING CAPACITY (L)	APPROX MAX CAPACITY (L)
1500	24	240	300	1520	1950	1000	700	300	700	2121	3000
4000	60	600	500	1850	3000	2500	1500	600	1000	5377	7000
6000	140	1400	700	2200	3300	4250	2500	900	1300	7604	11500
8000	220	2200	1400	2480	4500	8000	4500	1200	1600	14010	18500
10000	280	2800	2400	3000	6430	18500	8200	1500	2000	32362	42000



Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	95%
Total Suspended Solids (TSS)	71%
Total Phosphorus (TP)	69%
Total Nitrogen (TN)	47%
Petroleum Hydrocarbon	93%

*Contact Atlan to confirm approved performance for the project LGA



Vortceptor®

Hydrodynamic GPT



High-Efficiency Gross Pollutant Separation

Utilises hydrodynamic vortex technology to capture and separate sediments, silt, oil, grease, and gross pollutants effectively.



Permanent Pool Design

Ensures oil and grease are retained in a dedicated capture zone, preventing re-entrainment during high-flow events.



Optimal Flow Performance

Designed to treat stormwater runoff across a wide range of flow rates while maintaining compliance with Australian statutory water quality guidelines.



Trafficable Installation

Rated for vehicular (Class D) zones with appropriate concrete slab installation, ensuring flexibility for high-traffic areas.



Locally Manufactured

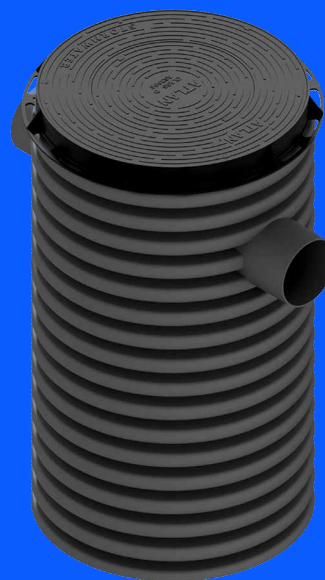
Locally fabricated in our National FRP and HDPE production facilities to meet ISO9001 Quality Standards.



Fibreglass
Offline



Fibreglass
Inline



HDPE Inline



Robust Construction

One-piece fibreglass or high density polypropylene (HDPE) construction is lightweight, durable, and non-corrosive, ideal for long-term performance in diverse environments.



Cost-Effective Installation

Delivered fully assembled to the site, reducing installation time, crane costs, and overall project expenses.



Stormwater Compliance

Provides reliable solutions for pollutant load reduction in urban and industrial stormwater systems, aligning with Low Impact Development (LID) principles.



Flexible Configurations

Accommodates multiple pipe sizes (standard units up to 2800 LPS for 150mm to 1800mm pipes) and can be customised to meet specific site requirements.



Easy Maintenance

Cylindrical shape and sloped base concentrate sediment at the centre, simplifying cleaning and reducing maintenance efforts.

The Vortceptor Gross Pollutant Trap (GPT) is a non-blocking vortex style separator that has a unique screen and treatment action producing low vortex conditions resulting in excellent pollution removal performance and resulting high water quality outcomes.

It separates and captures gross pollutants, sediments, silt, total suspended solids, some nutrients and oil and grease. Designed with versatility in mind, these GPTs are available in inline and offline configurations.

Inline Model

The Vortceptor Inline series is useful for constrained sites with a treatment flow rate that is relative to the bypass flow rates. The Inline Vortceptor has a flexible pipe configuration with the outlet pipe being able to rotate in excess of 180° around the system. The Inline Vortceptor is available with or without internal bypass to suit installation on low flow diversions.

Offline Model

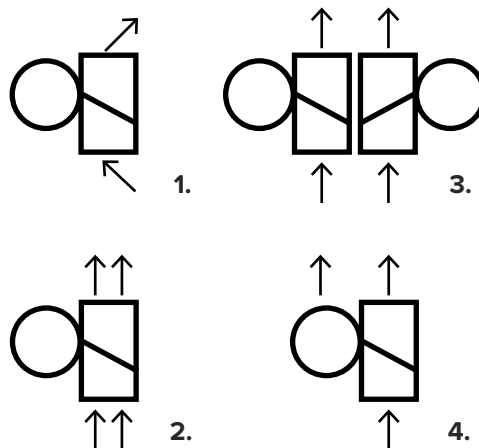
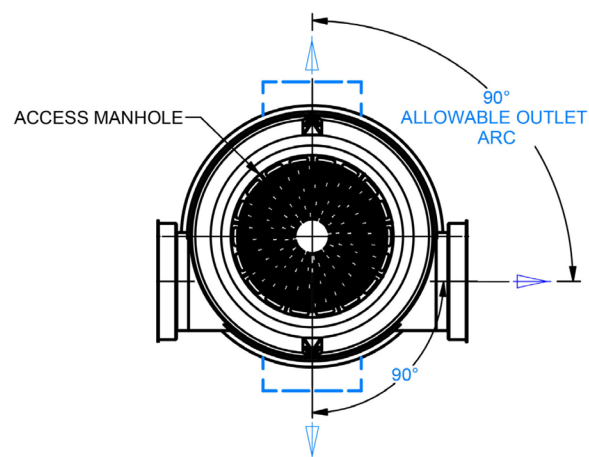
The Vortceptor Offline series is used when the bypass flows are high, or greater than the flows required to pass through the Inline range. Advantages of the Offline series include the ability to divert treated flow water to a tertiary asset independently to the bypassed stormwater and the ability to adjust the system to cater for trailwater and external catchments.

You can also include:

1. Angled inlet/outlet connections
2. Multiple pipes or culverts
3. Back to back twin units - for greater treatment
4. Bifurcation or splitting of flows

Applications

- Shopping Precinct
- Commercial Zones
- Recreational Grounds
- Industrial Areas
- Beaches & Park
- Residential Development



SQIDEP Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	100%
Total Suspended Solids (TSS)	93%
Total Phosphorus (TP)	86%
Total Nitrogen (TN)	49%

*Contact Atlan to confirm approved performance for the project LGA



Vortceptor is SQIDEP approved after passing Stormwater Australia's rigorous testing and performance assessment process.



Inline Series Vortex Style GPT

The inline series is manufactured from the standard single tank dia shown. Custom systems are also available.

All models are FRP except for those marked with P* which are HDPE.

Models	Dimensions (mm)					Capacities			
	Tank Barrel (ID)	Minimum Invert	Depth Below Invert	Manhole Size (mm)	Max Pipe Size	Sump Capacity (m³)	Floatables Volume (m³)	Treatable Flow Rate (L/s)	Max Flow Rate (L/s)
INLINE SERIES									
IVOR.025.10-P*	1050	600	1400	1000 diameter 600 Inspection Opening	315	0.625	0.6	25	250
IVOR.050.15	1520	1100	1850		525	1.1	0.22	50	500
IVOR.100.18	1850	1300	2350		600	2.6	0.5	100	700
IVOR.150.18	1850	1400	3350		750	3.7	0.5	150	800
IVOR.200.22	2200	1600	2450		750	3.8	1.1	200	1000
IVOR.350.22	2200	1850	3150		900	4.2	1.1	350	1200
IVOR.500.30	3000	1950	2850		1050	5	2.8	500	1650
IVOR.800.30	3000	2100	4500		1200	10.6	2.8	800	2000

* HDPE model.

Offline Series Vortex Style GPT

The offline series is manufactured from the standard single tank dia below.
Custom systems are also available.

All models are FRP.

Models	Dimensions (mm)				Capacities			
	Tank Barrel (ID)	Minimum Invert	Depth below invert	Manhole Size (mm)	Sump Capacity (m³)	Floatables Volume (m³)	Treatable Flow Rate (L/s)	Bypass Flow Rate (L/s)
OFFLINE SERIES								
OVOR.100.18	1850	1300	2350	1000 diameter 600 Inspection Opening	2.5	0.5	100	PROJECT SPECIFIC DESIGN
OVOR.150.18	1850	1400	3350		3.7	0.5	150	
OVOR.200.22	2200	1700	2450		3.8	1.1	200	
OVOR.350.22	2200	1850	3150		4.2	1.1	350	
OVOR.500.30	3000	1950	2850		5.0	2.8	500	
OVOR.800.30	3000	2100	4500		10.6	2.8	800	
OVOR.1200.40	4000	2550	3500		10.1	5.65	1200	
OVOR.1600.40	4000	2500	4100		10.1	5.65	1600	





Atlan BaffleBox®

Gross pollutant trap for tailwater conditions, & dry storage



Advanced Pollutant Capture

Separates and retains gross pollutants, sediment, and floatables to improve water quality.



Efficient Sediment Management

Designed with internal baffles and sediment zones to maximise pollutant retention and minimise resuspension.



Minimal Head Loss

Innovative floating weir design maintains only 350mm of head loss, even when the screen is fully blocked.



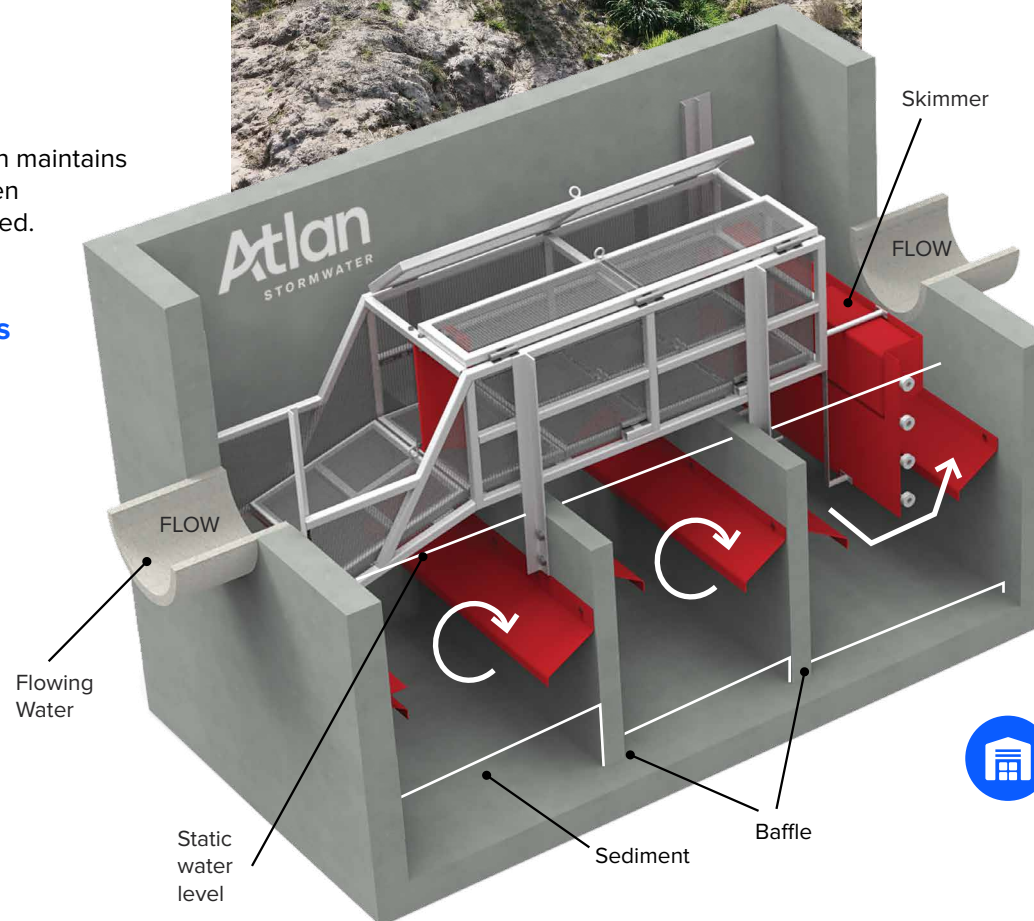
Handles Multiple Inflows

Accommodates diverse site configurations with the ability to manage multiple inflows seamlessly.



Durable Construction

Built with high-strength, long-lasting precast concrete or fibreglass designed to withstand harsh environmental conditions and heavy-duty applications.



Low Maintenance Requirements

Accessible design simplifies cleaning and maintenance, reducing operational costs.



Modular and Customisable Design

Configurable to specific new and retrofit site requirements, accommodating various flow rates and pollutant loads. Prefabricated components ensure quick and cost-effective installation with minimal disruption.



Atlan View Observation Cover

Designed to accommodate community stormwater education opportunities.



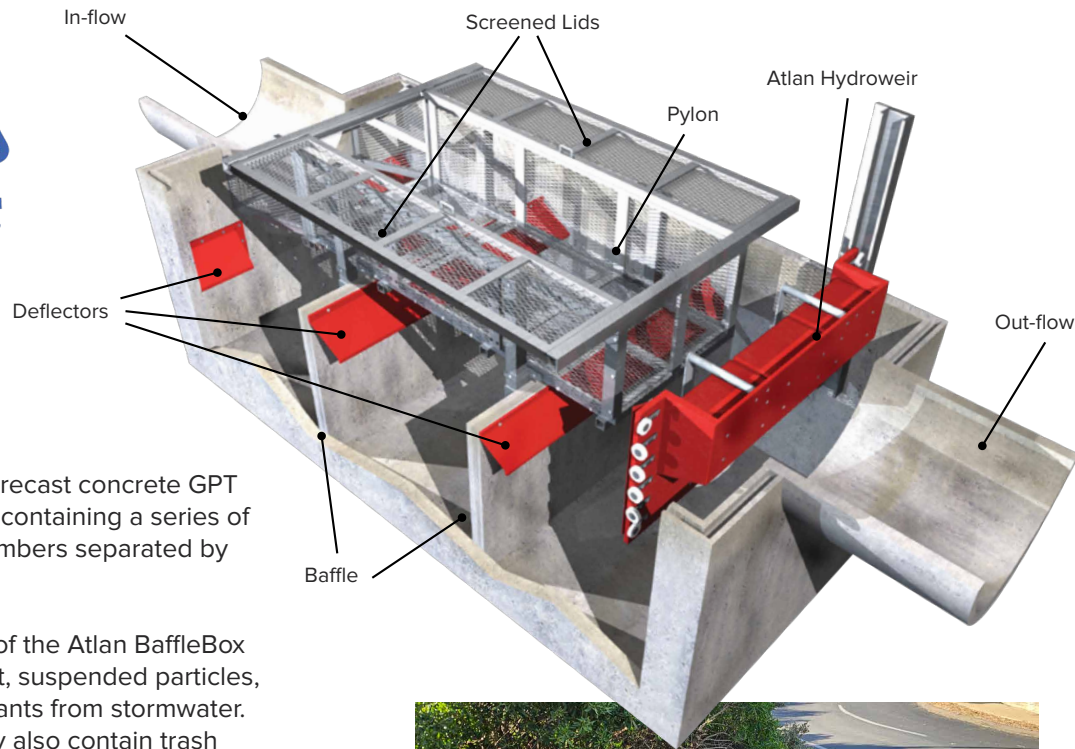
Enhanced Safety Features

Designed to prevent hazardous pollutant overflow during heavy rain events, protecting downstream ecosystems.



Locally Manufactured

Manufactured, designed, and engineered in our national production facilities. Built to last with a 25-year warranty and a 100-year design life.



Atlan BaffleBox® is a precast concrete GPT (Gross Pollutant Trap) containing a series of sediment settling chambers separated by baffles.

The primary function of the Atlan BaffleBox is to remove sediment, suspended particles, and associated pollutants from stormwater. Atlan BaffleBoxes may also contain trash screens or skimmers to capture larger materials, trash, and floatables.

The Atlan BaffleBox has proven effective in removing sediment from storm water runoff. It is mainly utilised in areas where sediment control is a primary concern, while other storm water Best Management Practices (BMPs) may be more effective in areas where additional storm water pollutants, such as dissolved nutrients, oil and grease, or metals, are prevalent.

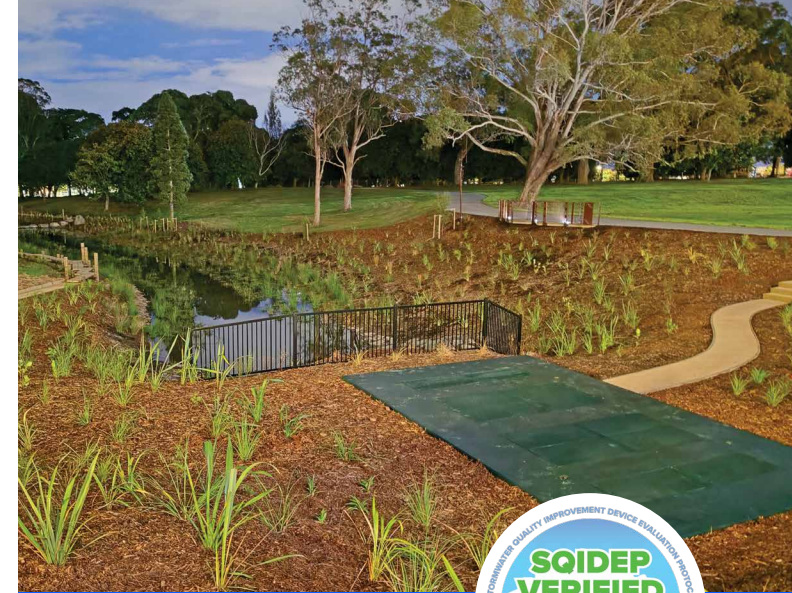


Atlan View Observation Cover

The Atlan View Observation Cover is the perfect addition for your outreach or educational projects. Constructed of aluminium reinforced fibreglass panels, it is built to last. These devices are perfectly positioned to help the local community learn about stormwater treatment while improving water quality outcomes. Educational signage is included with every Atlan View Observation Cover illustrating to the public how the treatment system works and the benefits of protecting our waterways with GPT devices.

Applications

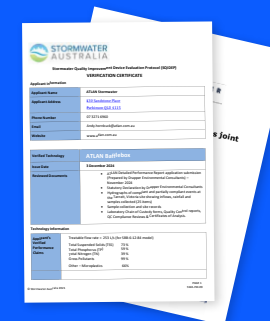
- Council storm drain retrofits
- Commercial, retail & residential sites
- Litter prone urban areas
- Scrap metal, solid waste & oil storage sites
- Part of treatment train
- Construction sediment & erosion



SQIDEP Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	99%
Total Suspended Solids (TSS)	73%
Total Phosphorus (TP)	59%
Total Nitrogen (TN)	39%
Microplastics	66%

*Contact Atlan to confirm approved performance for the project LGA



BaffleBox is SQIDEP approved after passing Stormwater Australia's rigorous testing and performance assessment process.



Spillceptor®

Oil water separation & high risk hydrocarbon capture



Efficient Spill Management

Designed to capture and contain hydrocarbons, oil, and grease during spill events, preventing environmental contamination.



Dual-Functionality

Operates as both an oil water separator for everyday runoff and a containment system for emergency spill events.



Automated Closure System

Features an automatic shutoff valve to isolate and contain spills, ensuring maximum safety.



High Contaminant Retention

Effectively traps sediments, oil, and hydrocarbons within the treatment chamber. Complies with European Standard BS EN 858-1 with a water discharge quality of less than 5mg light liquids per litre.



Treatable Flow Rates

Treatment rates range from 2LPS to 200LPS. Pipe sizes range from 100mm to 450mm (larger sizes on request).



Robust Construction

Durable materials ensure long-term performance and resistance to harsh environmental conditions.



Easy Maintenance

Accessible design facilitates quick and straightforward cleaning and inspections.



Adaptable Configurations

Suitable for a range of installations, including industrial, commercial, and transportation hubs.



Compliance Assurance

Meets or exceeds statutory guidelines for spill management and stormwater treatment in Australia & New Zealand.



Locally Manufactured

Locally fabricated in our National FRP production facilities to meet ISO9001 Quality Standards.

Stormwater Treatment

Atlan Spillceptor® Class 1 stormwater treatment separators cater for potential hazards to the environment, particularly at sites where there is a risk of oil and fuel spills.

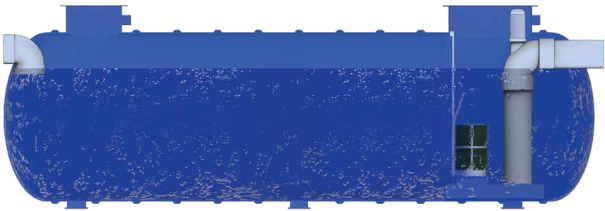
Oils and all petroleum hydrocarbons are treated to the highest discharge quality exceeding EPA standards ensuring it safe for stormwater discharge.

Major oil spills from a petrol tanker or a transformer rupture are captured and contained preventing any stormwater discharge.

- Independently tested (laboratory) and certified to discharge < 1.86ppm petroleum hydrocarbons (TPH), from 5,000ppm ingress
- Independently field tested to discharge ‘no detection’ from >33,000.0ppm

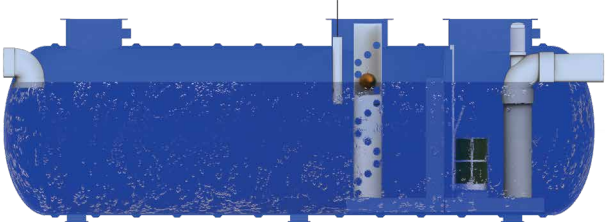
Applications

- Power stations, substations and switchyards
- Mining and heavy vehicle
- Windfarms
- Waste transfer depots
- Service stations and re-fuelling areas
- Asphalt plants



Single Chamber

- Medium risk oil/fuel storage and handling areas.
- Service stations with full canopy protection.
- Commercial vehicle/plant maintenance yards and contaminated industrial areas.



Two Chamber

- High risk oil/fuel storage and handling areas where maximum protection is required.
- Suitable for service stations exposed to rainfall runoff.
- Continues to treat stormwater even after the maximum designed spill has occurred.
- Heavily contaminated industrial areas, power/ sub stations, fire training grounds, railway maintenance and fuelling depots.
- The second chamber provides protection to the coalescer foam inserts from silt and fuel/ oil contamination, resulting in less frequent maintenance and easier cleaning of the coalescer foam inserts.
- A large silt capacity is incorporated in the first chamber greatly reduces the frequency of tank cleaning on highly polluted sites.



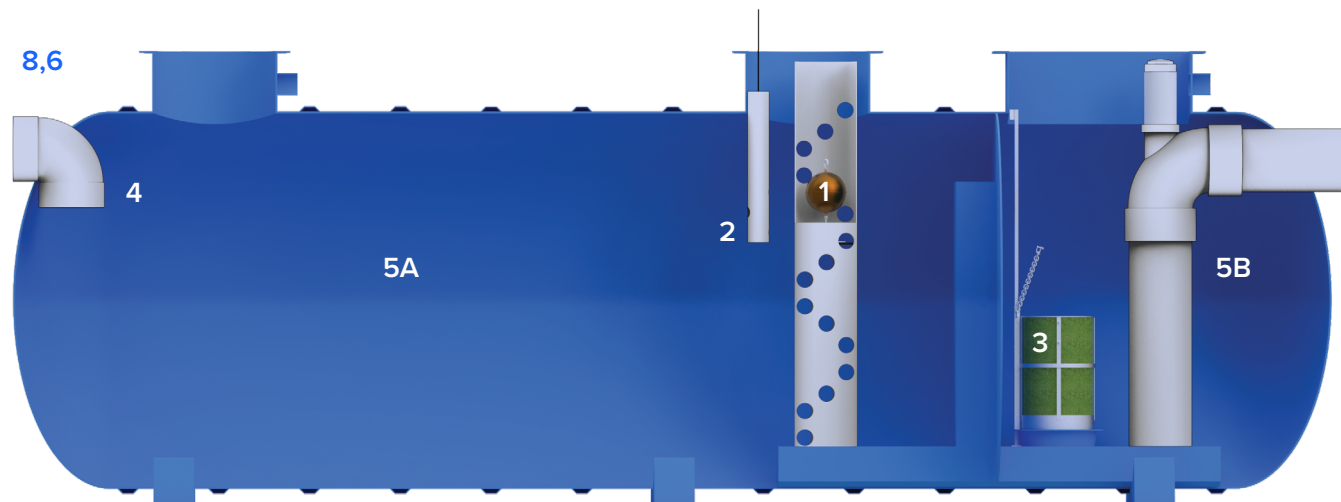
Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	100%
Total Suspended Solids (TSS)	87%
Total Phosphorus (TP)	11%
Total Nitrogen (TN)	23%
Petroleum Hydrocarbon	99.99%
Spill Capture (Site Specific Volume)	100%

*Contact Atlan to confirm approved performance for the project LGA

How it works

Atlan Spillceptor is a full retention separator that treats all flows and is sized to contain more than the anticipated maximum oil spillage enabling it to be fully operational at all times.



1. AUTOMATIC CLOSURE DEVICE

The Automatic Closure Device (ACD) is a precisely engineered device comprising a water-bouyant ball that is sensitive to any change in the water density as a consequence of light liquids build up, thereby automatically activating a process of depressing the ACD to shut off the separator, preventing pollutants from discharging to drains and waterways.

2. OIL PROBE

Detects oil and indicates when the separator's oil storage is full, and monitors excessive rises in liquid level.

3. COALESCER EQUIPPED

Provides a coalescing process for the separation of smaller globular of light liquid pollutants to reduce the light liquid content in the outlet to 5mg/litre or less.

4. INLET DIP PIPE - FLAME TRAP

For minimum turbulence and to prevent fire and inflammable vapours passing through to the drainage system.

5. TWO CHAMBER

A non-turbulent flow through two horizontal treatment chambers, utilising the underflow principle to retain light liquids in all flow conditions.

A. CONTAINMENT CHAMBER: Where Total Suspended Solids (TSS) silt, sediments, sludge and gross pollutants are trapped and settle on the chamber floor and where light liquids are contained.

B. COALESCER CHAMBER: Where light liquids separation is enhanced reducing it to 5mg/litre or less prior to discharge.

6. GRAVITY OPERATED

Will function in the event of power failure and fits into existing pipe drainage systems or new sites.

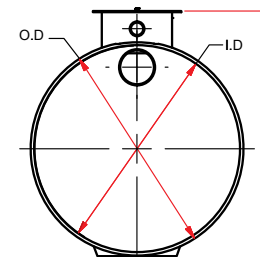
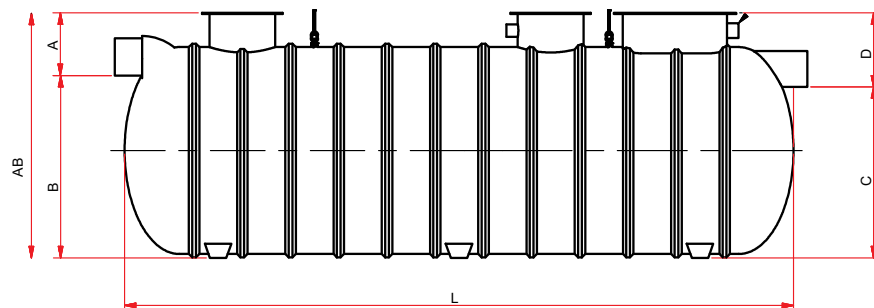
7. MAINTENANCE

Easy and safe with no entering of the tank required.

8. FULL RETENTION

All liquid is treated. There is no by-pass operation.





MODELS	TREATMENT FLOW RATE (LPS)	WEIGHT (KG)	DIMENSIONS (MM)								MAXIMUM INLET & OUTLET PIPE SIZE (MM) CONFIGURATION*	MANHOLES				MAX. SPILL AT SHUT OFF	MAX. WORKING CAPACITY
			A	B	A&B	C	D	L	OD	ID		QTY	SIZE ID	QTY	SIZE (MM)		
100 SERIES TANKS - 900 MM INTERNAL DIAMETER																	
SPI.002.C1.2C	2=	120	400	820	1220	800	420	1700	930	900	100	2	450	-	-	250	800
200 SERIES TANKS - 1200 MM INTERNAL DIAMETER																	
SPI.004.C1.2C	4	330	460	1100	1560	1080	480	2600	1350	1200	150	2	600	-	-	1,000	2,050
SPI.006.C1.2C	6	400	425	1135	1560	1095	465	3035	1350	1200	150	2	600	-	-	1,300	2,550
SPI.008.C1.2C	8	450	460	1100	1560	1060	500	3800	1350	1200	150	2	600	-	-	1,900	3,200
SPI.010.C1.2C	10	500	450	1110	1560	1060	500	4600	1350	1200	150	2	600	-	-	2,500	3,900
SPI.013.C1.2C	13	550	446	1114	1560	1040	520	5800	1350	1200	150	3	600	-	-	3,000	4,800
SPI.015.L.C1.2C	15	600	425	1135	1560	1065	495	6500	1350	1200	150	3	600	-	-	3,400	5,400
300 SERIES TANKS - 1850 MM INTERNAL DIAMETER																	
SPI.015.S.C1.2C	15	650	620	1630	2250	1600	650	3000	1950	1850	300	1	600	1	900 x 600	3,500	5,500
SPI.020.C1.2C	20	850	625	1625	2250	1585	665	4000	1950	1850	300	1	600	1	900 x 600	3,900	7,300
SPI.030.C1.2C	30	1100	660	1590	2250	1575	675	4860	1950	1850	300	1	600	1	900 x 600	5,500	10,800
SPI.040.8.C1.2C	40	1180	550	1600	2150	1500	650	5900	1950	1800	300	1	600	1	900 x 600	8,000	13,400
SPI.040.C1.2C	40	1240	650	1600	2250	1550	700	6540	1950	1850	300	2	600	1	900 x 600	9,000	14,400
SPI.050.L.C1.2C	50	1400	650	1600	2250	1520	730	8500	1950	1850	300	2	600	1	900 x 600	10,000	18,000
SPI.060.L.C1.2C	60	1550	650	1600	2250	1500	750	10,000	1950	1850	300	2	600	1	900 x 600	11,200	21,600
SPI.070.L.C1.2C.	70	1700	650	1600	2250	1500	750	11,600	1950	1850	300	2	600	1	900 x 600	12,400	25,200
400 SERIES TANKS - 2480 MM INTERNAL DIAMETER																	
SPI.050.S.C1.2C	50	1400	720	2230	2950	2150	800	4680	2600	2480	375	1	600	1	900 x 600	9,000	18,000
SPI.060.S.C1.2C	60	1560	550	2400	2950	2220	730	5500	2600	2480	375	1	600	1	900 x 600	10,700	21,600
SPI.070.S.C1.2C	70	1710	750	2200	2950	2150	800	6550	2600	2480	375	3	600	1	900 x 600	12,400	25,200
SPI.080.C1.2C	080	2000	600	2350	2950	2250	700	7500	2600	2480	375	3	600	1	900 x 600	14,900	29,600
SPI.090.C1.2C	090	2300	715	2235	2950	2150	800	8400	2600	2480	375	3	600	1	1200 x 600	16,200	32,400
SPI.100.C1.2C	100	2550	710	2240	2950	2150	800	9000	2600	2480	375	3	600	1	1200 x 600	17,700	35,700
SPI.110.C1.2C	110	2650	700	2250	2950	2150	800	9600	2600	2480	375	3	600	1	1200 x 600	18,300	38,200
SPI.120.C1.2C	120	2750	570	2400	2970	2300	670	10,230	2600	2480	375	3	600	1	1200 x 600	21,700	43,200
SPI.150.C1.2C	150	3360	670	2280	2950	2150	800	13,420	2600	2480	375	4	600	1	1200 x 600	27,700	54,000
SPI.180.C1.2C	180	3580	650	2300	2950	2150	800	15,400	2600	2480	375	5	600	1	1200 x 600	32,500	64,800
SPI.200.C1.2C	200	4150	555	2395	2950	2230	720	16,500	2600	2480	375	5	600	1	1200 x 600	36,200	72,000

# Key to Main Dimensions & Notes	
A	Invert Level - Depth from top of manhole to base of inlet pipe.
B	Depth from base of inlet pipe to base of tank feet.
A&B	Overall depth of tank, from top of manhole to base of tank feet.
C	Depth from base of outlet pipe to base of tank feet.
D	Invert Level - Depth from top of manhole to base of outlet pipe.
L	Overall length tank.
OD	Overall outside diameter of tank including ribs.
ID	Internal diameter of tank.
S&L	"S" is Short Series Tank & "L" is Long Series Tank.



Flowceptor®

Class 1 stormwater treatment & medium risk hydrocarbon capture



Efficient Stormwater Management

Designed to capture and remove gross pollutants, sediment, and oils from stormwater runoff.



High Rate Separator

Efficiently separates total suspended solids (TSS), light liquids, and pollutants, with advanced treatment for oily water and hydrocarbon runoff.



Coalescer Unit

Equipped with a gravity-enhancing coalescer for improved separation of light liquids and contaminants.



Medium Risk Applications

Ideal for medium-risk commercial and industrial environments where oily water and hydrocarbons are a concern.



Flexible Flow Management

Accommodates a wide range of flow rates and pipe sizes, ensuring versatility for various stormwater systems. Optimises flow conditions to enhance pollutant separation and retention for high-performance filtration.



Pollutant Capture

Effectively captures hydrocarbons, oils, heavy metals, and gross pollutants in stormwater systems.



Low Maintenance

Designed for easy maintenance with high efficiency in capturing pollutants, reducing long-term operational costs.



Customisable

Available in multiple sizes and configurations to suit various catchments, flow rates and treatment requirements. Inline and offline options offer flexibility for new installations and retrofitting existing systems. Suitable for a range of installations, including industrial, commercial, and transportation hubs.



Pollutant Retention in Storm Flows

The offline configuration bypasses excess flows to prevent flooding and transport of captured pollutants.



Locally Manufactured

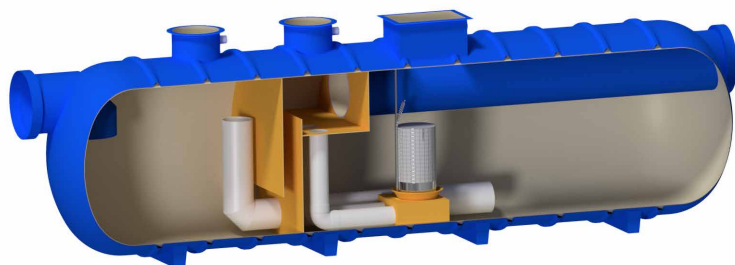
Manufactured, designed, and engineered in our national production facilities. Built to last with a 25-year warranty and a 100-year design life.

Overview

The Atlan Flowceptor® Class 1 is a high-rate separator designed to effectively treat stormwater runoff from medium-risk catchments.

It efficiently removes total suspended solids (TSS), oily water, and hydrocarbon pollutants, ensuring compliance with environmental regulations.

Available in both inline and offline configurations, the Flowceptor provides flexible installation options to suit a variety of commercial and industrial applications.



Inline Flowceptor

The Flowceptor Inline system features an internal bypass, making it ideal for integration into existing drainage networks.

As a horizontally configured two-chamber Stormwater Quality Improvement Device (SQID), it is equipped with a gravity-enhancing coalescer unit that facilitates pollutant separation.

The system ensures optimal retention and quiescent conditions within its secondary chamber, efficiently capturing TSS, light liquids, and hydrocarbons. This makes it a reliable choice for medium-risk commercial and industrial sites.

Applications

- Car parks & shopping centres
- Council depots
- Industrial estates
- Heavy vehicle maintenance & storage areas
- Transport depots & loading bays
- Tunnels
- Highways & transport corridors
- Recycling yards
- Airport aprons & tarmacs

Offline Flowceptor

The Flowceptor Offline system is installed on low-flow lines and is designed to treat stormwater at a minimum of a 1 in 3-month ARI (4EY). To prevent flooding and re-release of captured pollutants, flows exceeding this rate are bypassed.

Its offline installation provides greater flexibility for both small and large catchments.

Like the inline model, the Flowceptor Offline uses a two-chamber SQID design with a gravity-enhancing coalescer unit, ensuring effective separation of TSS, hydrocarbons, and other pollutants while accommodating various flow rates and pipe sizes.



SQIDEP Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	99%
Total Suspended Solids (TSS)	74%
Total Phosphorus (TP)	18%
Total Nitrogen (TN)	18%

*Contact Atlan to confirm approved performance for the project LGA

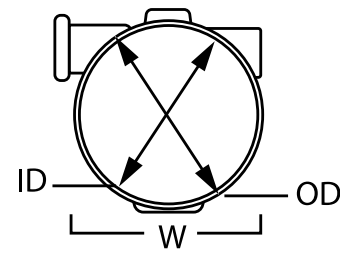
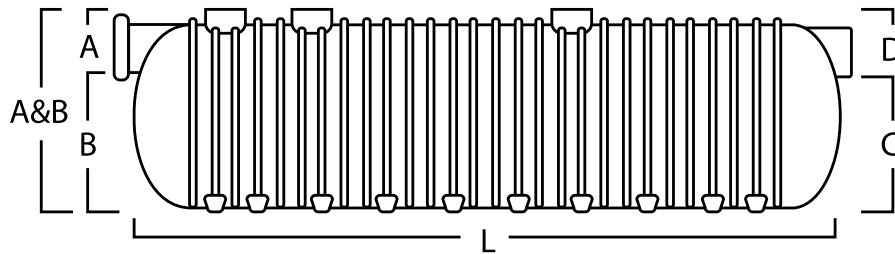
Additional Research Removal Rates

POLLUTANT	EFFICIENCY
Petroleum Hydrocarbon	99.99% <5 ppm [^]
Heavy Metals	90%

[^] BS/EN 858 Class 1 Compliant



Flowceptor is SQIDEP approved after passing Stormwater Australia's rigorous testing and performance assessment process.

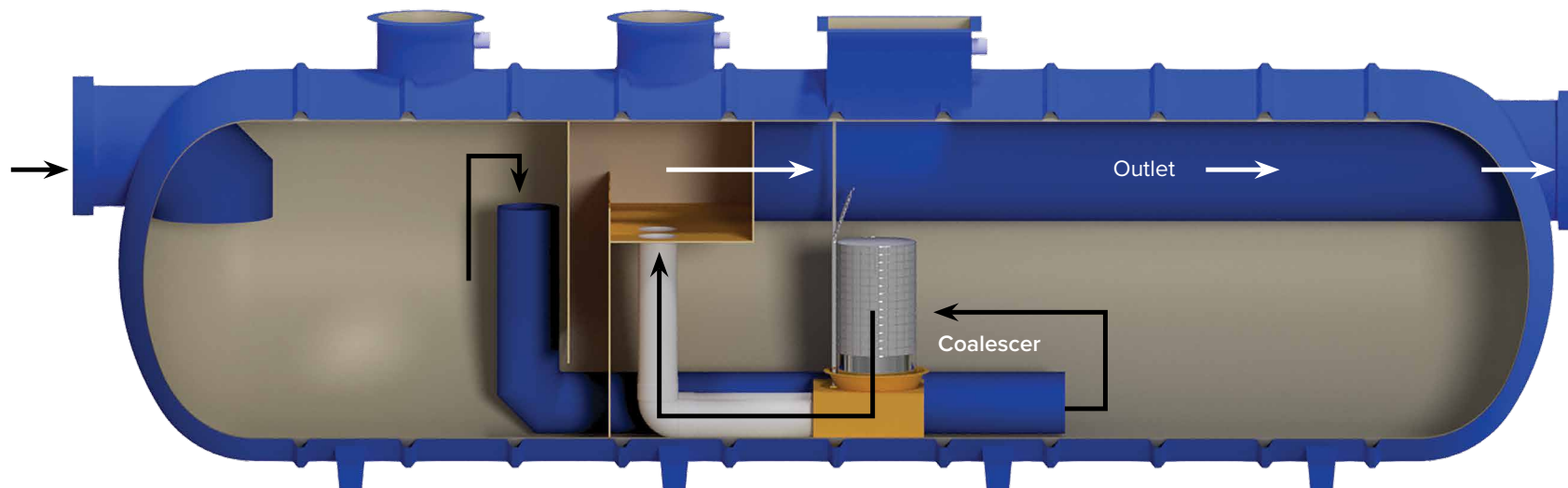


MODELS	WEIGHT (KG)	SERIES	TFR LPS	VOLUME LTRS	DIMENSIONS (MM)								MANHOLES	
					A	B	A&B	C	D	L	OD	ID	QTY	SIZE (OD)
FLO.100/15.C1.2C.	120	100	2	800	530	1030	1560	980	580	1700	950	900	2	450
FLO.100/20.C1.2C.	190	100	4	1300	530	1030	1560	980	580	1550	1300	1200	2	450
FLO.100/25.C1.2C.	260	100	6	1950	530	1030	1560	980	580	2300	1300	1200	2	450
FLO.200/30.C1.2C	300	200	4	2700	650	1400	2050	1380	670	2400	1300	1200	1	600x1250
FLO.200/40.C1.2C	330	200	7	3000	650	1400	2050	1380	670	2700	1300	1200	1	600x1250
FLO.200/50.C1.2C.	380	200	8	3800	650	1400	2050	1380	670	3400	1300	1200	1	600x1250
FLO.200/70.C1.2C.	410	200	11	4900	650	1400	2050	1380	670	4400	1300	1200	1	600x1250
FLO.300/80.C1.2C.	650	300	12	6500	840	1410	2250	1310	940	3520	1950	1850	3	600
FLO.300/100.C1.2C.	700	300	14	7250	840	1410	2250	1310	940	4000	1950	1850	3	600
FLO.300/130.C1.2C.	800	300	19	8900	840	1410	2250	1310	940	4860	1950	1850	3	600
FLO.300/160.C1.2C.	900	300	23	10600	840	1410	2250	1310	940	5740	1950	1850	3	600
FLO.300/220.C1.2C.	1100	300	31	13150	840	1410	2250	1310	940	7040	1950	1850	3	600
FLO.300/250.C1.2C.	1200	300	35	14600	840	1410	2250	1310	940	7875	1950	1850	3	600
FLO.400/300.C1.2C.	1700	400	43	23200	900	2045	2945	1945	1000	6400	2600	2450	Custom	
FLO.400/400.C1.2C.	2000	400	56	26150	900	2045	2945	1945	1000	7300	2600	2450	Custom	
FLO.400/500.C1.2C.	2400	400	71	29900	900	2045	2945	1945	1000	8900	2600	2450	Custom	
FLO.400/600.C1.2C.	2700	400	82	33900	900	2045	2945	1945	1000	10100	2600	2450	Custom	
FLO.400/700.C1.2C.	3000	400	102	40100	900	2045	2945	1945	1000	11950	2600	2450	Custom	
FLO.400/750.C1.2C.	3300	400	108	41500	900	2045	2945	1945	1000	13190	2600	2450	Custom	
FLO.400/850.C1.2C.	3500	400	122	46600	900	2045	2945	1945	1000	14800	2600	2450	Custom	
FLO.400/1000.C1.2C.	4100	400	137	5100	900	2045	2945	1945	1000	16200	2600	2450	Custom	
FLO.400/1100.C1.2C.	4600	400	148	53300	900	2045	2945	1945	1000	18380	2600	2450	Custom	
FLO.500/800.C1.2C.	4300	500	111	55000	Custom	Custom	3470	Custom	Custom	11580	3120	3000	Custom	
FLO.500/1000.C1.2C.	5200	500	139	58500	Custom	Custom	3470	Custom	Custom	14050	3120	3000	Custom	
FLO.500/1200.C1.2C.	6200	500	167	71900	Custom	Custom	3470	Custom	Custom	11700	3650	3500	Custom	
FLO.500/1500.C1.2C.	7400	500	208	85000	Custom	Custom	3470	Custom	Custom	13800	3650	3500	Custom	
FLO.500/1600.C1.2C.	8740	500	222	92900	Custom	Custom	3470	Custom	Custom	16 300	3650	3500	Custom	
FLO.500/1800.C1.2C.	9380	500	250	99800	Custom	Custom	3470	Custom	Custom	17 500	3650	3500	Custom	
FLO.500/2000.C1.2C.	10190	500	278	108500	Custom	Custom	3470	Custom	Custom	19 000	3650	3500	Custom	
FLO.500/2300.C1.2C.	319	500	320	122300	Custom	Custom	3470	Custom	Custom	21500	3650	3500	Custom	
FLO.500/2700.C1.2C.	375	500	375	137300	Custom	Custom	3470	Custom	Custom	24050	3650	3500	Custom	
FLO.500/2900.C1.2C.	403	500	403	147700	Custom	Custom	3470	Custom	Custom	25800	3650	3500	Custom	



Inline Flowceptor

# Key to Main Dimensions & Notes	
A	Invert Level - Depth from top of manhole to base of inlet pipe.
B	Depth from base of inlet pipe to base of tank feet.
A&B	Overall depth of tank, from top of manhole to base of tank feet.
C	Depth from base of outlet pipe to base of tank feet.
D	Invert Level - Depth from top of manhole to base of outlet pipe.
L	Overall length tank.
OD	Overall outside diameter of tank including ribs.
ID	Internal diameter of tank.



Oil alert probe

The probe is freely suspended in the primary chamber. When the oil layer or depth of light liquids reaches the predetermined level, the top of the probe will be immersed in the oil, breaking the circuit and activating the alarm.

Coalescer unit

Available complete with stainless steel holders and handles or slide rails depending on separator size.

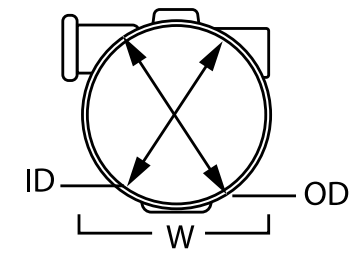
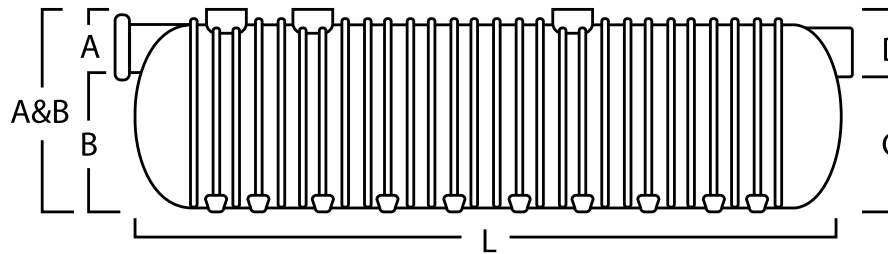
Selection of covers

All classes of covers are available from heavy trafficable to light duty.



Offline Flowceptor

# Key to Main Dimensions & Notes	
A	Invert Level - Depth from top of manhole to base of inlet pipe.
B	Depth from base of inlet pipe to base of tank feet.
A&B	Overall depth of tank, from top of manhole to base of tank feet.
C	Depth from base of outlet pipe to base of tank feet.
D	Invert Level - Depth from top of manhole to base of outlet pipe.
L	Overall length tank.
OD	Overall outside diameter of tank including ribs.
ID	Internal diameter of tank.



MODELS	WEIGHT (KG)	SERIES	TFR LPS	VOLUME LTRS	DIMENSIONS (MM)								MANHOLES	
					A	B	A&B	C	D	L	OD	ID	QTY	SIZE (MM)
OFL0.4108.C1.2C	300	4100	8	2400	230	1230	1560	1230	330	2400	1300	1200	2	1 x 600 Ø 1 x 600 x 900
OFL0.4115.C1.2C	430	4100	15	3600	200	1360	1560	1360	200	3400	1300	1200	2	1 x 600 Ø 1 x 600 x 900
OFL0.4130.C1.2C	610	4100	30	7200	200	1360	1560	1360	200	6600	1300	1200	2	1 x 600 Ø 1 x 600 x 900
OFL0.4215.C1.2C	420	4200	15	4400	150	1710	1860	1710	150	2800	1600	1500	2	1 x 600 Ø 1 x 600 x 900
OFL0.4230.C1.2C	580	4200	30	7200	300	1550	1860	1530	300	4400	1600	1500	2	1 x 600 Ø 1 x 600 x 900
OFL0.4260.C1.2C	980	4200	60	14 400	300	1550	1860	1550	300	8500	1600	1500	2	1 x 600 Ø 1 x 600 x 900
OFL0.4330.C1.2C	750	4300	30	8800	300	2150	2450	2150	300	3600	1950	1850	2	1 x 600 Ø 1 x 600 x 900
OFL0.4360.C1.2C	1190	4300	60	14 400	300	2150	2450	2150	300	5700	1950	1850	2	1 x 600 Ø 1 x 600 x 900
OFL0.4380.C1.2C	1340	4300	80	19 200	350	2100	2450	2100	350	7500	1950	1850	2	1 x 600 Ø 1 x 600 x 900
OFL0.4480.C1.2C	1400	4400	80	19 200	400	2750	3150	2750	400	4400	2600	2450	2	1 x 600 Ø 1 x 600 x 900
OFL0.44110.C1.2C	1560	4400	110	26 400	400	2750	3150	2750	400	5900	2600	2450	2	1 x 600 Ø 1 x 600 x 1200
OFL0.44140.C1.2C	2000	4400	140	33 600	400	2750	3150	2750	400	7480	2600	2450	2	1 x 600 Ø 1 x 600 x 1200
OFL0.45140.C1.2C	2230	4500	140	33 600	450	3270	3720	3270	450	5300	3120	3000	2	1 x 600 Ø 1 x 600 x 1200
OFL0.45180.C1.2C	2670	4500	180	43 200	450	3270	3720	3270	450	6700	3120	3000	3	2 x 600 Ø 1 x 600 x 1200
OFL0.45220.C1.2C	3180	4500	220	52 800	450	3270	3720	3270	450	8100	3120	3000	3	2 x 600 Ø 1 x 600 x 1200
OFL0.45300.C1.2C	4300	4500	300	72 000	450	3270	3720	3270	450	11 000	3120	3000	4	2 x 600 Ø 2 x 600 x 1200
OFL0.46220.C1.2C	3360	4600	220	52 800	500	3770	4270	3770	500	6300	3650	3500	3	1 x 600 Ø 2 x 600 x 1200
OFL0.46260.C1.2C	3840	4600	260	62 400	500	3770	4270	3770	500	7300	3650	3500	3	1 x 600 Ø 2 x 600 x 1200
OFL0.46300.C1.2C	4270	4600	300	72 000	500	3770	4270	3770	500	8300	3650	3500	3	1 x 600 Ø 2 x 600 x 1200



Atlan
STORMWATER

Triceptor

Stormwater treatment & hydrocarbon capture high & medium risk



Advanced Pollutant Removal

Effectively captures gross pollutants, sediments, total suspended solids (TSS), hydrocarbons, and nutrients.



Three-Stage Treatment Process

Combines sedimentation, filtration, and absorption to ensure superior water quality outcomes.



Customisable

Adaptable to specific site needs, including varying flow rates and pollutant loads.



Locally Manufactured

Locally fabricated in our National FRP production facilities to meet ISO9001 Quality Standards.



Durable Construction

Built from high-strength, non-corrosive materials for long-lasting operation.



Flexible Configurations

Can be installed in inline or offline arrangements to suit diverse site requirements.



Compact Design

Suitable for constrained sites without compromising performance.



Easy Maintenance

Simplified access for inspections and pollutant removal, reducing operational downtime.

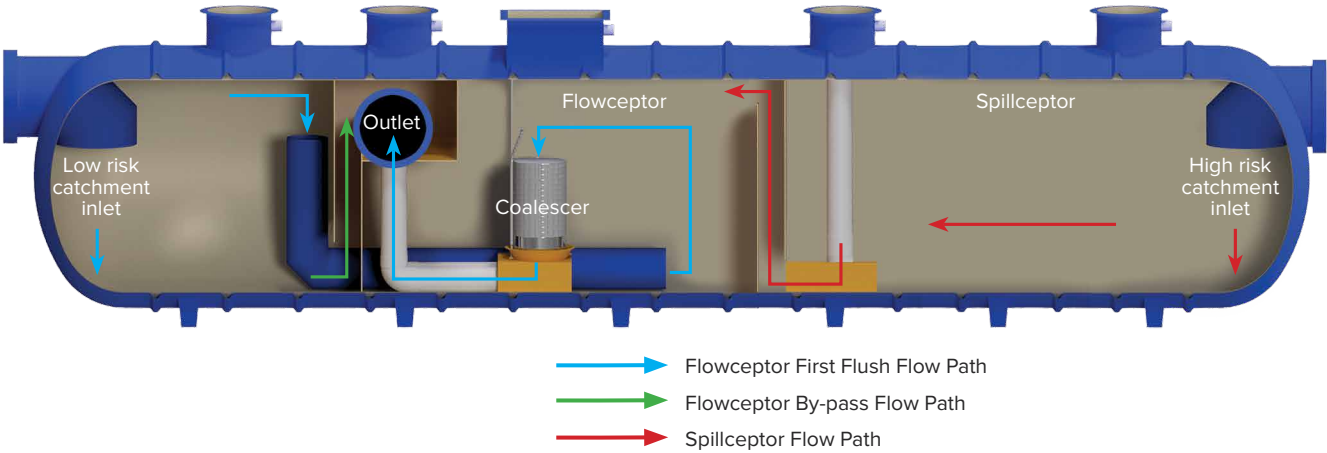
The Triceptor is a combination of the Flowceptor and Spillceptor functions and features in the one treatment device.

The benefit of the Triceptor is that with one treatment device you can treat both the high and low risk areas of a catchment.

The Triceptor has the hydrocarbon spill containment function of the Spillceptor whilst also incorporating the treatment quality and high flow bypass functions of the Flowceptor.

Applications

- Car parks & shopping centres
- Tunnels
- Highways & transport corridors
- Recycling yards
- Airport aprons & tarmacs
- Service stations / re-fuelling areas
- Substations & switch yards
- Asphalt plants



Tested Treatment Efficiencies*

POLLUTANT	EFFICIENCY
Gross Pollutants (GP)	100%
Total Suspended Solids (TSS)	87%
Total Phosphorus (TP)	11%
Total Nitrogen (TN)	23%
Petroleum Hydrocarbon	99.99%
Heavy Metals	90%

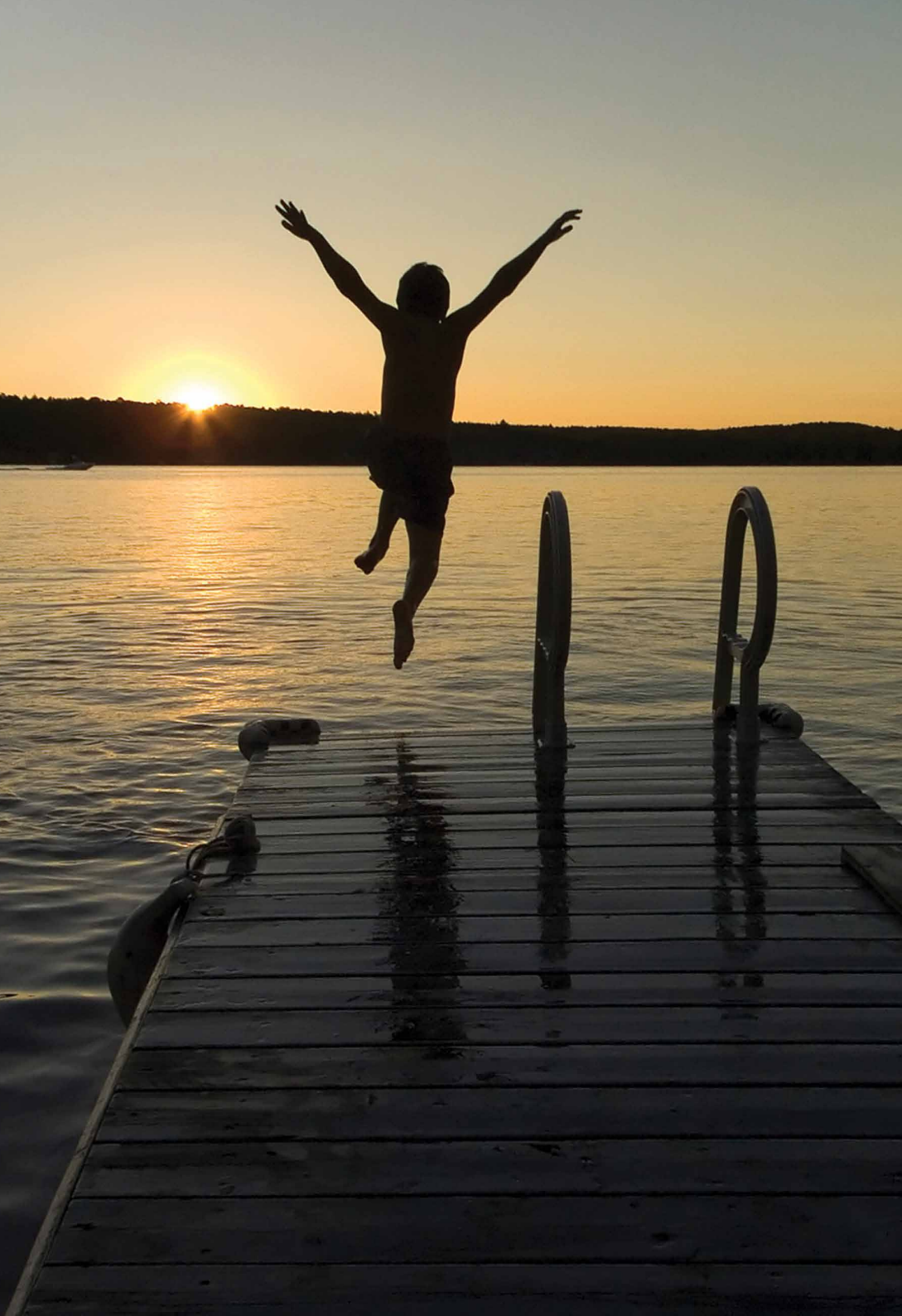
*Contact Atlan to confirm approved performance for the project LGA



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Andy Hornbuckle, CEO

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