



PRODUCT PORTFOLIO



07 5537 8422
jjindustries.com.au

SPILL RESPONSE / CONTAINMENT & BUNDING / STORM WATER MANAGEMENT
SILT & SEDIMENT CONTROL / MARINE CONTAINMENT / SPILL RECOVERY



A LITTLE BIT ABOUT US

Our range of products include:

Assise®

Assise® is an Australian manufactured range of products providing solutions to marine and terrestrial containment requirements. Our manufacturing plant is equipped to design and fabricate products and solutions to best meet our clients' needs in the domestic and international market.

Our design team focuses on innovative solutions which are both economical and effective whilst our leading practice manufacturing department is focused on quality workmanship and timely production.

This combination of design, manufacturing and strong client relationships means that the Assise® range of products is unmatched in quality and design.

FOX ENVIRONMENTAL SYSTEMS

Chatoyer Environmental is a distributor of Fox Environmental products. Their solutions range from the prevention of storm water pollution from large open areas to the treatment and recycling of waste water, using Fox Environmental's Australian manufactured products and other cutting edge technologies.

All Fox Environmental diversion systems are produced under the stringent requirements of the Australian Standard ATS 5200.0465 and are licensed to carry the prestigious Watermark Symbol.

LAMOR

Chatoyer Environmental is the sole Lamor agent within Australia. Lamor is recognised as one of the world's most respected suppliers of oil spill recovery vessels and equipment, with spill response solutions from containment to clean up and over 50 years of international experience.

S200 OilGone

S200 is a bioremediation accelerator used for the remediation of hydrocarbon spills or leaks. It is a non-intrusive, cost-effective remedy for the clean up of these hydrocarbons.

SpilMax®

The SpilMax® range of sorbent and containment products has been developed to provide a functional approach to waterway pollution.

Starting with the unique SpilMax® Premium floor sweep in 1999, the range has grown to provide a comprehensive solution for the response and containment of spills.

Organisations currently using SpilMax® products include major industrial firms, utility groups, government and healthcare companies. Based in Australia, the SpilMax® range is constructed with components sourced from around the world and within Australia.

Colour Codes

At Chatoyer we are always thinking of our customers and know your time is scarce, so we have introduced a quick reference guide.



Oil & Fuel
(Hydrocarbon)



Universal
(General Purpose)



Hazchem
(Chemicals)



Marine
(On Water)

OUR PRODUCTS

SPILL RESPONSE

SPILL KITS
FLOOR SWEEP
SORBENTS
SpilMax® DrainSAFE
CONSUMABLES

CONSTANT MONITORING SYSTEMS
SPILL CONTROL SYSTEMS
BUND CLOSURE SYSTEMS
S200 OIL GONE

SECTION
1

CONTAINMENT & BUNDING

RUBBER FLOOR BUNDING
FLEXIBLE FLOOR BUNDING
EVA FLOOR BUNDING
CONTAINMENT BUNDS

QUICK BUNDS
VEHICLE WASH MATS
SPILL PALLETS
DANGEROUS GOODS STORAGE

SECTION
2

STORM WATER MANAGEMENT

DRAIN WARDEN
SILT WARDEN
VEHICLE WASH MATS
DRAIN PROTECTION

DIVERSION SYSTEMS
POLLUTANT TRAPS
DEWATERING BAGS

SECTION
3

SILT & SEDIMENT CONTROL

SILT SOCKS
SILT FENCE
DEWATERING BAGS

EROSION MATS
COIR LOGS
SILT WARDEN

SECTION
4

MARINE CONTAINMENT

CONTAINMENT BOOMS
FENCE BOOMS
SILT CURTAINS
WEED & RUBBISH BOOMS

BAFFLE SYSTEMS
PERMANENT BOOMS
INFLATABLE BOOMS
HEAVY DUTY BOOMS

SECTION
5

OIL SPILL RECOVERY

MINIMAX 12
WEIR SKIMMER 500/800
MINIMAX 30
BOW COLLECTOR

SIDE COLLECTOR
OIL TRANSFER PUMPS
HYDRAULIC POWER PACK
OIL RECOVERY BOAT

SECTION
6



SPILL KITS

The SpilMax® Spill Kit range will ensure your organisation is prepared to respond to any spill incident with our comprehensive range of emergency spill kits.

1.1



FLOOR SWEEPS

SpilMax® Floor Sweeps encapsulate the oil, rather than simply absorbing it and when used correctly, they meet the EPA criteria for disposal at land fill.

1.2



SORBENTS

The SpilMax® range of sorbents include pads, pillows, mini booms and wipes; suitable for the clean-up and containment of all types of liquids including oils, fuels and solvents.

1.3



SpilMax® DrainSAFE

The SpilMax® DrainSAFE is a manual storm water isolation system providing you with an affordable shut down mechanism to block harmful spilt liquids entering the storm water network, whilst working 24/7 to prevent rubbish and debris from entering the drain.

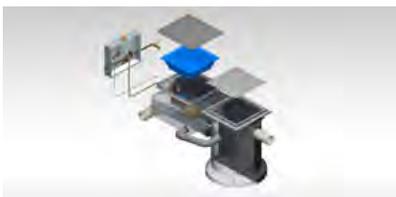
1.4



CONSUMABLES

SpilMax® Consumables offer cleaning and personal protection and non spark equipment to ensure safety is front of mind.

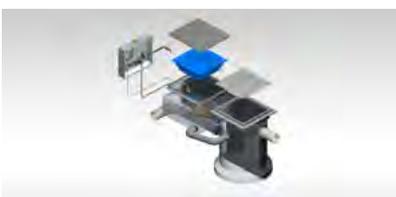
1.5



CONSTANT MONITORING SYSTEMS

When your site has the potential to have storm water run-off that has been contaminated with water soluble products such as wines, milk or chemicals entering the waterways, there is a need for a Fox model CMS600 Constant Monitoring System.

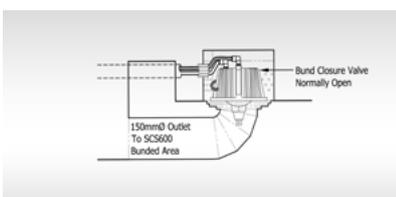
1.6



SPILL CONTROL SYSTEMS

A spill control system will monitor the quality of run-off leaving the site and will capture only run-off that is polluted by free floating hydrocarbons.

1.7



BUND CLOSURE SYSTEMS

The Fox Bund Closure Valve system provides protection for a site against minor or major hydrocarbon spills that may occur during a fuel transfer operations.

1.8



S200 OIL GONE

S200 Oil Gone is a bioremediation accelerator that encapsulates hydrocarbon contaminants by rapidly growing indigenous bacteria to degrade hydrocarbons to CO₂ and water, reducing traditional clean up costs by 50%.

1.9

1.1 SPILL KITS



Available in 140L and 240L

SpilMax® WORKPLACE SPILL KITS

Oil & Fuel
(Hydrocarbon)

Universal
(General Purpose)

Hazchem
(Chemicals)



SpilMax® VEHICLE SPILL KITS

Oil & Fuel
(Hydrocarbon)

Universal
(General Purpose)

Hazchem
(Chemicals)



MARINE SPILL KITS

Marine spill kits are designed to repel water while absorbing fuels and hydrocarbons.

Marine kits are available in:

- Vehicle kits
- Workplace kits



SPACE CASE SPILL

SpilMax® Universal spill kits are available in a space case. Space cases are ideal in outdoor or hazardous areas.



VEHICLE DRUM KITS

SpilMax® vehicle drum kits are available in Oil & Fuel (Hydrocarbon) and Universal (General Purpose).

Customised spill kits, response trailers and Ute skids to suit your requirements are available upon request

1.1 SPILL KITS



240L Workplace spill kits



	Oil & Fuel (Hydrocarbon)	Universal (General Purpose)	Hazchem (Chemicals)	Marine (On water)
240L Wheelie bin	1	1	1	1
SpilMax® Natura-Sorb floor sweep 10kg	3	3	-	-
SpilMax® poly mini booms (1.2mx75mm)	3	3	3	-
SpilMax® poly mini booms (3mx100mm)	2	2	2	-
SpilMax® poly pillow (40mmx500mmx50mm)	1	1	3	-
SpilMax® poly pads 400gsm (480mmx430mm)	50	50	125	25
SpilMax® wipes 200gsm (500mmx400mm)	10	10	-	15
SpilMax® large oil boom (3mx125mm)	-	-	-	4
PPE Kit (Hazchem)	-	-	1	-
Nitrile gloves	2	2	2	2
Disposal bags & ties	3	3	6	4



140L Workplace spill kits



	Oil & Fuel (Hydrocarbon)	Universal (General Purpose)	Hazchem (Chemicals)	Marine (On water)
140L Wheelie bin	1	1	1	1
SpilMax® Natura-Sorb floor sweep 10kg	2	2	-	-
SpilMax® poly mini booms (1.2mx75mm)	2	2	6	2
SpilMax® poly pillow (40mmx500mmx50mm)	1	1	3	2
SpilMax® poly pads 400gsm (480mmx430mm)	25	25	30	50
SpilMax® wipes 200gsm (500mmx400mm)	5	5	-	25
PPE Kit (Hazchem)	-	-	1	-
Nitrile gloves	1	1	2	1
Disposal bags & ties	2	2	5	2

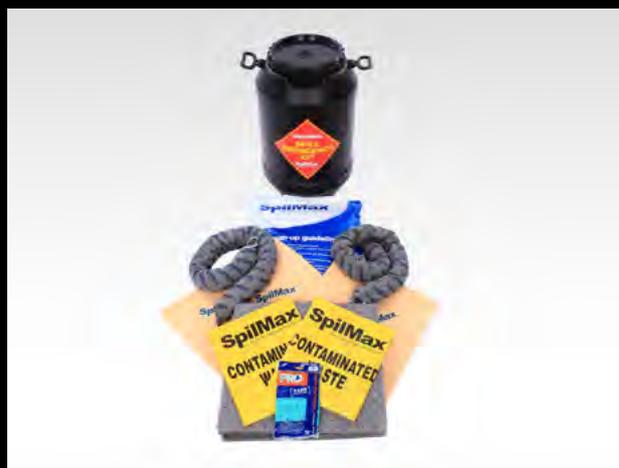


Also available with 1x 5kg Natura-Sorb Floor Sweep

Vehicle spill kits



	Oil & Fuel (Hydrocarbon)	Universal (General Purpose)	Hazchem (Chemicals)	Marine (On water)
Vehicle kit bag	1	1	1	1
SpilMax® poly mini booms (1.2mx75mm)	2	2	3	2
SpilMax® poly pillow (40mmx500mmx50mm)	-	-	-	1
SpilMax® poly pads 400gsm (480mmx430mm)	20	20	25	15
SpilMax® wipes 200gsm (500mmx400mm)	10	10	-	10
PPE Kit (Hazchem)	-	-	1	-
Nitrile gloves	1	1	1	1
Disposal bags & ties	2	2	2	2



Vehicle drum



	Oil & Fuel (Hydrocarbon)	Universal (General Purpose)
60L circular container with handles	1	1
SpilMax® Natura-Sorb floor sweep 5kg	1	1
SpilMax® poly mini booms (1.2mx75mm)	2	2
SpilMax® poly pads 400gsm (480mmx430mm)	15	15
SpilMax® wipes 200gsm (500mmx400mm)	15	15
Nitrile gloves	1	1
Disposal bags & ties	2	2

Customised kits available on request

SpilMax® PREMIUM PLUS

Spilmax® Premium Plus floor sweep is typically used for hydrocarbon based spills, it is manufactured from a special selection of recycled organic cellulose products. Due to its rapid absorption and encapsulation rate, it is able to rapidly encapsulate liquids so they cannot leach back into the environment and meets the EPA criteria for disposal at land fill.

Packaged in 5kg, 10kg and 20L drum



SpilMax® NATURA-SORB

SpilMax® Natura-Sorb floor sweep is typically used for hydrocarbon based spills and consists of recycled organic fibres which are treated, pelletised and processed to provide a granulated floor sweep that has added weight and a lower dust factor for easy application and meets the EPA criteria for disposal at land fill.

Packaged in 5kg, 10kg and 20L drum



SpilMax® REMEDIAL

SpilMax® Remedial floor sweep is designed for use on soil such as lawn areas and any location where soil has been contaminated and requires treatment on the spot. It is a bioremediation product so when added to contaminated soil, the enzymatic action of the bacteria accelerates the natural decomposition of hydrocarbons, effectively returning the altered environment to its original condition; with no disposal costs.

Packaged in 10kg bags



MINERAL SPONGE

A zeolite absorbent with a large internal surface area of up to 145m²/g.

- ◆ For use on chemical spills
- ◆ Contains no chemicals
- ◆ Exceeds EPA leachate requirements
- ◆ Large internal surface allows this material to absorb almost 100% of its weight in liquid
- ◆ De-dusted to make handling and clean up easier and safer
- ◆ Absorbs immediately on contact
- ◆ Absorbs odors and vapors as well as liquid
- ◆ Suitable to use in windy areas

Packaged in 10kg bags



SpilMax® FLOOR SWEEP USE:



Oil & Fuel
(Hydrocarbon)



Universal
(General Purpose)



Hazchem
(Chemicals)



SpilMax® PADS

SpilMax® Pads are commonly used to capture small leaks or spills from machinery, pumps and hoses. Made of polypropylene, each pad can absorb up to 1L per saturation.

Available in single, bales of 100 or by the pallet in Oil & Fuel, Universal or Hazchem

Product	Long	Wide	Capacity
SpilMax® Pads	480mm	430mm	1L per pad
SpilMax® Pad in Roll	43m	960mm	



SpilMax® MINI BOOMS

SpilMax® Mini Booms are commonly used to circle or bund leaking drums or machinery. Made of polypropylene, the mini boom can soak up to 12L of fluid per saturation.

Available in single or 1.2m & 1.8m/pack of 10 or 3m/pack of 6 in Oil & Fuel, Universal or Hazchem

Product	Long	Diameter	Capacity
SpilMax® Mini Boom	1.2m	75mm	4L per boom
SpilMax® Mini Boom	1.8m	75mm	6L per boom
SpilMax® Mini Boom	3m	100mm	12L per boom



SpilMax® LARGE BOOM

SpilMax® Floating Booms absorb oil and fuels while repelling water making them perfect for marine use. Manufactured with UV resistant tough spun bonded outer mesh encasing a poly particulate, snap hooks for easy connection of multiple booms, strengthened by a nylon rope to ensure lasting durability and ease of retrieval. Available in single or pack of 4 in Oil & Fuel only

Product	Long	Diameter	Capacity
SpilMax® Boom	3m	125mm	20L per boom
SpilMax® Boom	3m	200mm	35L per boom



SpilMax® PILLOWS

SpilMax® Pillows are commonly used under machinery to contain leaks and clean spills quickly. Made of polypropylene to ensure a long life span.

Available in single or pack of 10 in Oil & Fuel, Universal or Hazchem

Product	Long	Wide	Capacity
SpilMax® Pillow	400mm	500mm	4L per pillow



SpilMax® WIPES

Spilmax® Wipes are a Universal wipe typically used to clean up small spills and wipe down tools and equipment. They can also be used on drum tops to absorb and collect drips.

Available in single or bales of 200 in Universal only

Product	Long	Wide	Capacity
SpilMax® Wipes	480mm	430mm	500ml per wipe

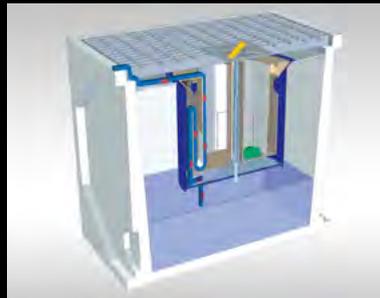
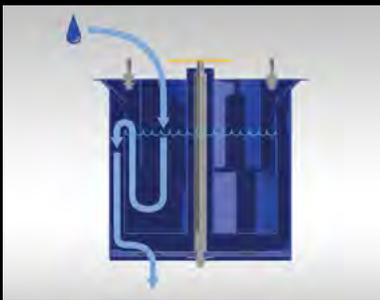


SpilMax® SORBENTS ARE AVAILABLE IN



SpilMax® DrainSAFE

24 hour filtration with the added value of a manual isolation system with one turn of the handle



6 MONTHS AFTER INSTALLATION

The SpilMax® DrainSAFE functions in 2 ways, making this product versatile and a must have in all drain pits. Working 24/7 to prevent rubbish and debris from entering the storm water network. It provides protection and peace of mind all day everyday. In addition to working 24/7, SpilMax® DrainSAFE is a manual storm water isolation system, providing you with an innovative yet affordable storm water shut down mechanism; with a quick turn of a handle, isolate the drain pit and stop harmful spilled liquids entering the storm water network.

Designed and constructed to be retro fitted into existing drains, the SpilMax® DrainSAFE will provide you with the ability to isolate your site when you need to with confidence, while enhancing your status with regards to environmental compliance and standards.

The SpilMax® DrainSAFE is suitable for on site applications where the risk of a spill occurs during working hours and can be isolated by staff. Suitable for re-fueling areas, unloading docks, etc.

How this will benefit you:

Environmental legislation in Australia covers all water, land, air, noise pollution and waste management in every state. In some cases, breaking environmental law carries serious penalties and even minor accidents can result in prosecution and penalties. The most serious offences carry penalties of up to \$5 million for a company or \$1 million for an individual (including owners, managers, contractors and employees) and/or seven years imprisonment.

Return on investment:

- ◆ A permanent fixture adding considerable value to your infrastructure
- ◆ Insure against possible penalties relating to the pollution of the environment
- ◆ Improve your corporate image to stakeholders, industry officials and government
- ◆ Enhance your status with regards to your environmental sustainability standards.

Product Information	Code	Diameter	Depth
DrainSAFE 420	CHDS1	420mm	435mm
DrainSAFE 600	CHDS2	600mm	585mm

SAFETY GOGGLES

Eyes are important; we only have 2. To ensure you protect them, we can supply disposable, chemical resistant safety goggles and blast shields.

FACE MASK/RESPIRATORS

SpilMax® can supply dust masks, half face mask with breathing apparatus and blast mouth guards ensuring your respiratory system is protected when managing spill response.

BIN COVERS

SpilMax® bin covers are used to ensure no water or fluids enter your spill kit. Bin covers are also a good measure to ensure no one uses your spill kit as a rubbish bin.

DISPOSABLE COVERALLS

Your protection should be front of mind at all times, to ensure you have it covered we can supply standard and Flame retardant coveralls as a part of a PPE kit or individually.

GLOVES

Gloves are available in standard and gauntlet to ensure your hands are protected at all times.

RAGS

Can be used for general purpose cleaning and for soaking up liquids.

BROOMS

Brooms are available with timber or telescopic handles to suit your needs. They are best used for cleaning up contaminated floor sweep.

NON SPARK SHOVELS

Shovels are spark proof, they are generally used to collect fuel soaked sorbent from surfaces that could spark.

STOPLEAK

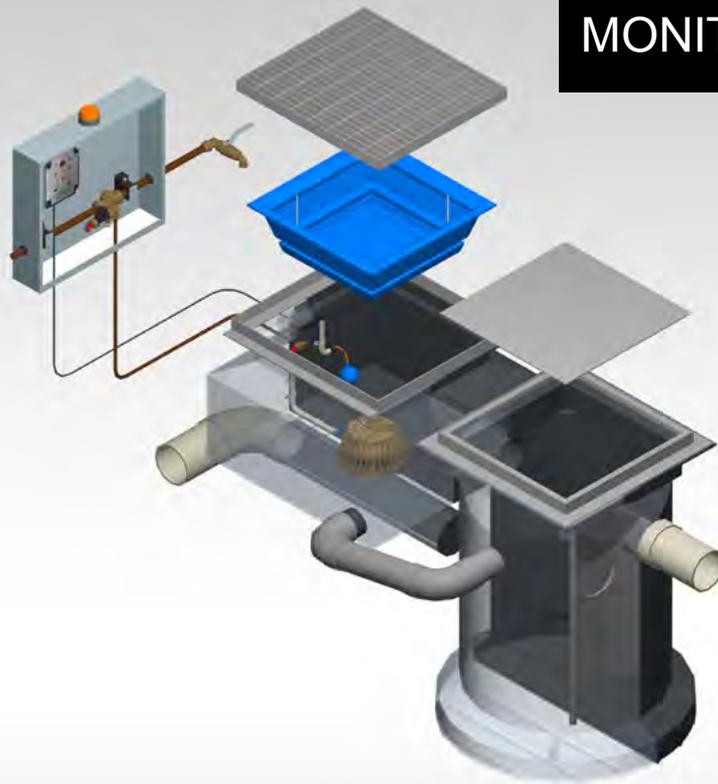
SpilMax® StopLeak will provide a 100% natural and fully Australian manufactured solution for temporary repairs to leaks from drums, tanks or containers.

PPE KITS

SpilMax® offer a range of Personal Protection Equipment (PPE) Kits. They are available in standard and Hazchem kits and can be customised to suit your risk or onsite requirements.



1.6 CONSTANT MONITORING SYSTEMS



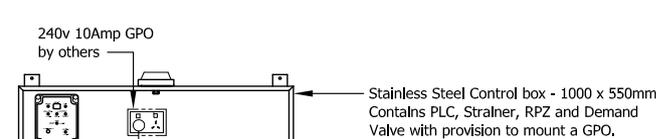
CMS600 CONSTANT MONITORING SYSTEM

The Fox Model CMS600 system provides constant protection for the site against minor or major spills of water soluble products such as wine, milk, acids or alkaline products. The system is suited for large or small applications such as chemical storage areas, battery rooms, tanneries, milk factories or vineyards. The system is designed to allow site runoff to flow to the storm water network while constantly monitoring the quality.

6mm MDPE
50 Litres
9mm holes
l/mIn @.5m head
Medium Duty
Galvanised

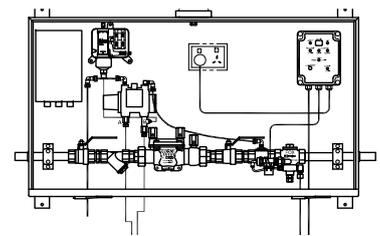
Cold water supply.
(by others)
Min 100kPa.

6 core Control Cable
Protect with 32mm
Conduit (by others)

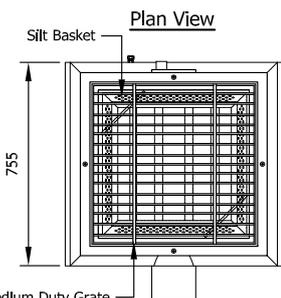


All washdown points must come from this point. Non washdown points should be from before Demand Valve.

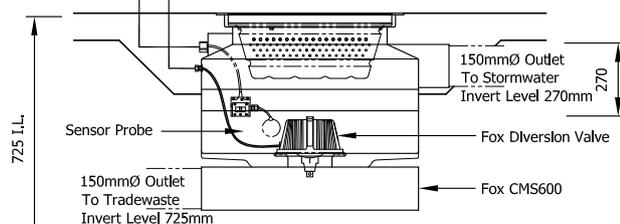
Drive Line (by others)
1/2" Ø Copper tube. Install with 90° bend to enable disconnection at valve.



Optional Control box
1200 x 650mm - Includes Bund Closure Valve.



Note:
This is a schematic representation only. Slab size and gradient to engineers details as arranged by customer.
All plumbing and electrical connections to be installed by certified tradesmen in accordance with relative authorities requirements. Tradesmen to be engaged by the purchaser.
System to be approved by relative Local Authorities before Installation.



Available Options
Class 'B' Grate
Class 'D' Grate
Note: Inverts will change. Request details if required.

PROCESS DESCRIPTION

The Fox CMS600 system will monitor all site runoff for the presence of water soluble contaminants. A sensor in the pit detects the presence of any dissolved pollutants and can be calibrated to match site conditions. Each time the pit fills the quality of the runoff is checked. If the level of pollutants in the runoff is of a concentration that is not suitable to be discharged to stormwater an alarm will be activated and the pit contents will be diverted to a holding tank. After a short delay the system will reset and the Diversion Valve will close. If the next chamber of runoff is contaminated it will also be diverted to the holding tank. This process continues until the water quality is suitable to be discharged to the stormwater system. An option is available to totally isolate the site if a spill is detected to ensure that no further runoff can leave the area until the cause of the alarm is addressed.

SPECIFICATIONS
Material
Silt Basket Capacity
Diversion Valve Flow Rate Grate



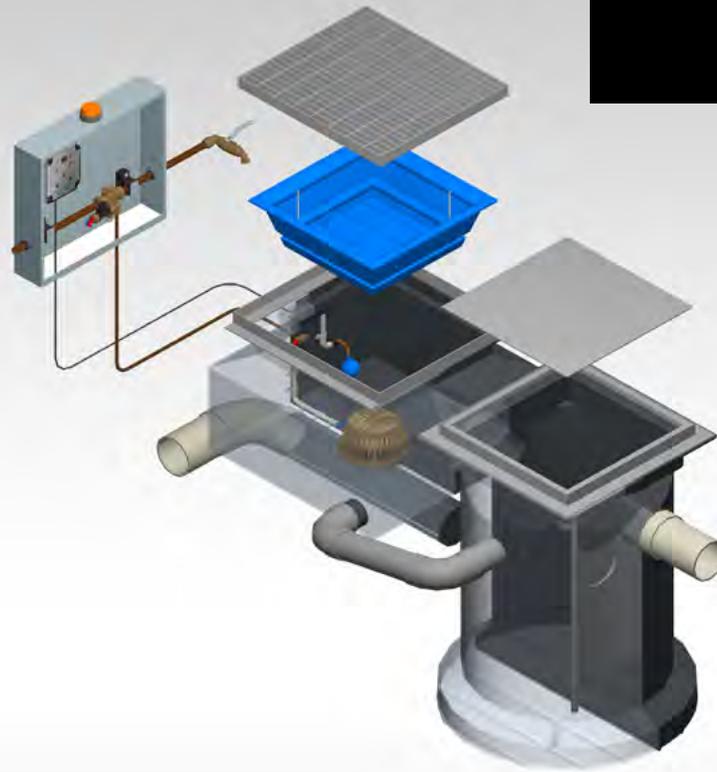
This Drawing and design is the Property of Fox Environmental Systems Pty Ltd. It must not be used for any other purpose than that for which it was issued. This drawing must not be shown or lent to anyone without the written permission of Fox Environmental Systems Pty Ltd.

Project
System Specifications

Drawing Title
CMS600 System

Drawn by:	R.O'B.
Date:	20/06/2008
Scale:	1:20
Drawing No:	A4-SPEC-1011

1.7 SPILL CONTROL SYSTEMS

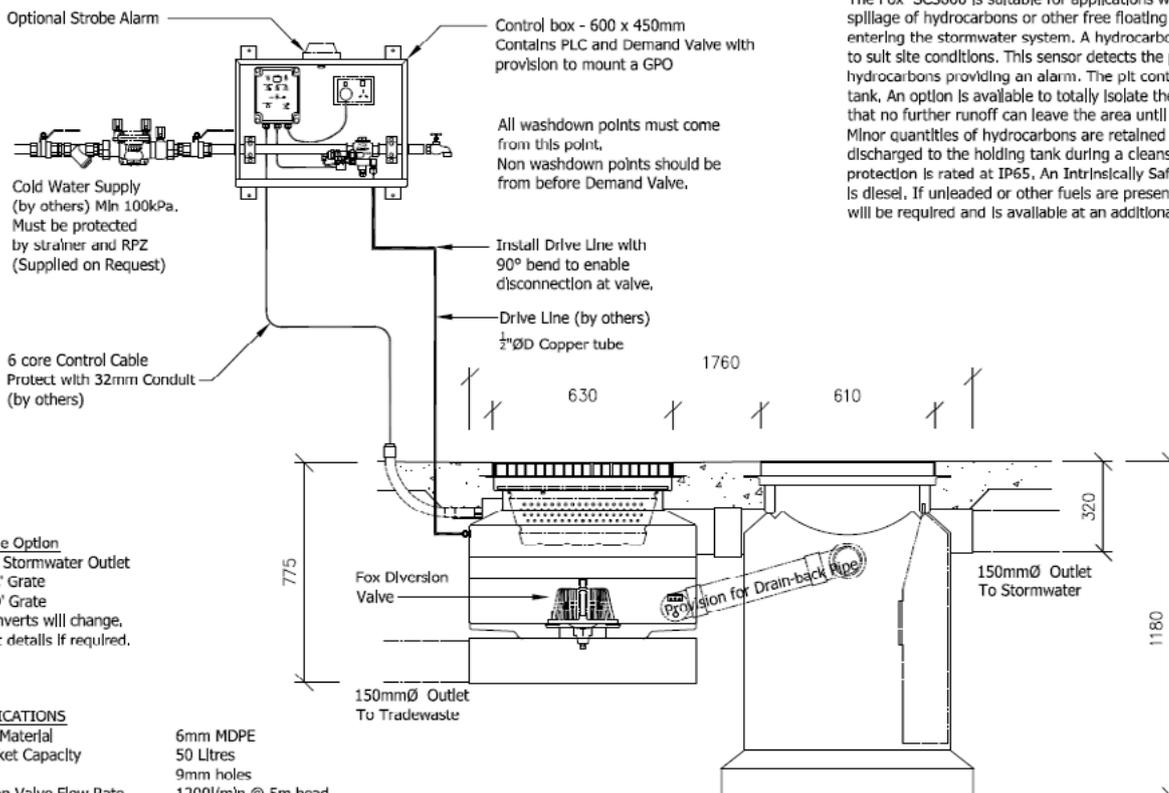


SPILL CONTROL SYSTEM

The Fox Model SCS600 system provides continuous protection for the site against minor or major spills of hydrocarbons that may occur. The system is ideally suited to installations such as bulk liquid storage facilities, service stations, refuelling areas or any site where there is a risk of hydrocarbon spills contaminating the storm water network.

PROCESS DESCRIPTION

The Fox SCS600 is suitable for applications where there is a need to prevent spillage of hydrocarbons or other free floating non-soluble contaminants from entering the stormwater system. A hydrocarbon sensor in the pit can be calibrated to suit site conditions. This sensor detects the presence of significant quantities of hydrocarbons providing an alarm. The pit contents are then diverted to a holding tank. An option is available to totally isolate the site if a spill is detected to ensure that no further runoff can leave the area until the cause of the alarm is addressed. Minor quantities of hydrocarbons are retained in the chamber by a drawing and discharged to the holding tank during a cleansing cycle once each day. Electrical protection is rated at IP65. An Intrinsically Safe supply is not required when the fuel is diesel. If unleaded or other fuels are present an intrinsically safe control panel will be required and is available at an additional cost.



Available Option
 225mm Stormwater Outlet
 Class 'C' Grate
 Class 'D' Grate
 Note: Inverts will change.
 Request details if required.

SPECIFICATIONS

SCS600 Material
 Silt Basket Capacity

Diversion Valve Flow Rate
 Grate

BRT600 Material
 Cover Plate

6mm MDPE
 50 Litres
 9mm holes
 1200l/min @ 0.5m head
 Class B Heavy Duty
 Galvanised
 12mm MDPE
 6mm Tread Plate



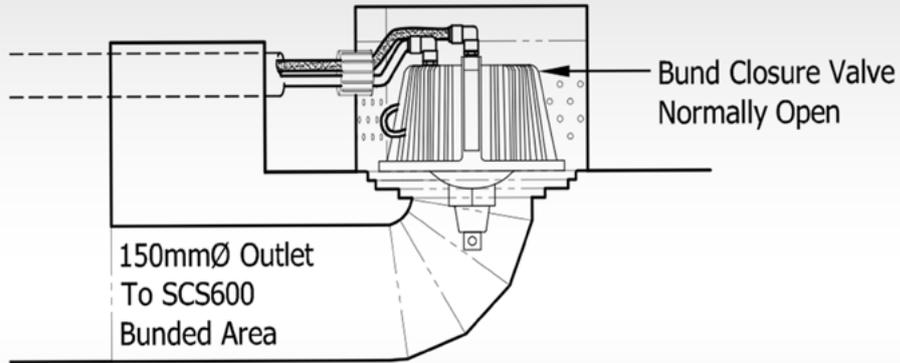
This is a schematic representation only. Slab size and gradient to engineers details as arranged by customer. All plumbing and electrical connections to be installed by certified tradesmen in accordance with relative authorities requirements. Tradesmen to be engaged by the purchaser. System to be approved by relative Local Authorities before installation.

This Drawing and design is the Property of Fox Environmental Systems Pty Ltd. It must not be used for any other purpose than that for which it was issued.

Project	
System Specifications	
Drawing Title	
SCS600/BRT System	

Drawn by:	J.F.S
Date:	16/02/2010
Scale:	1:20
Drawing No:	A4-SPEC-1010

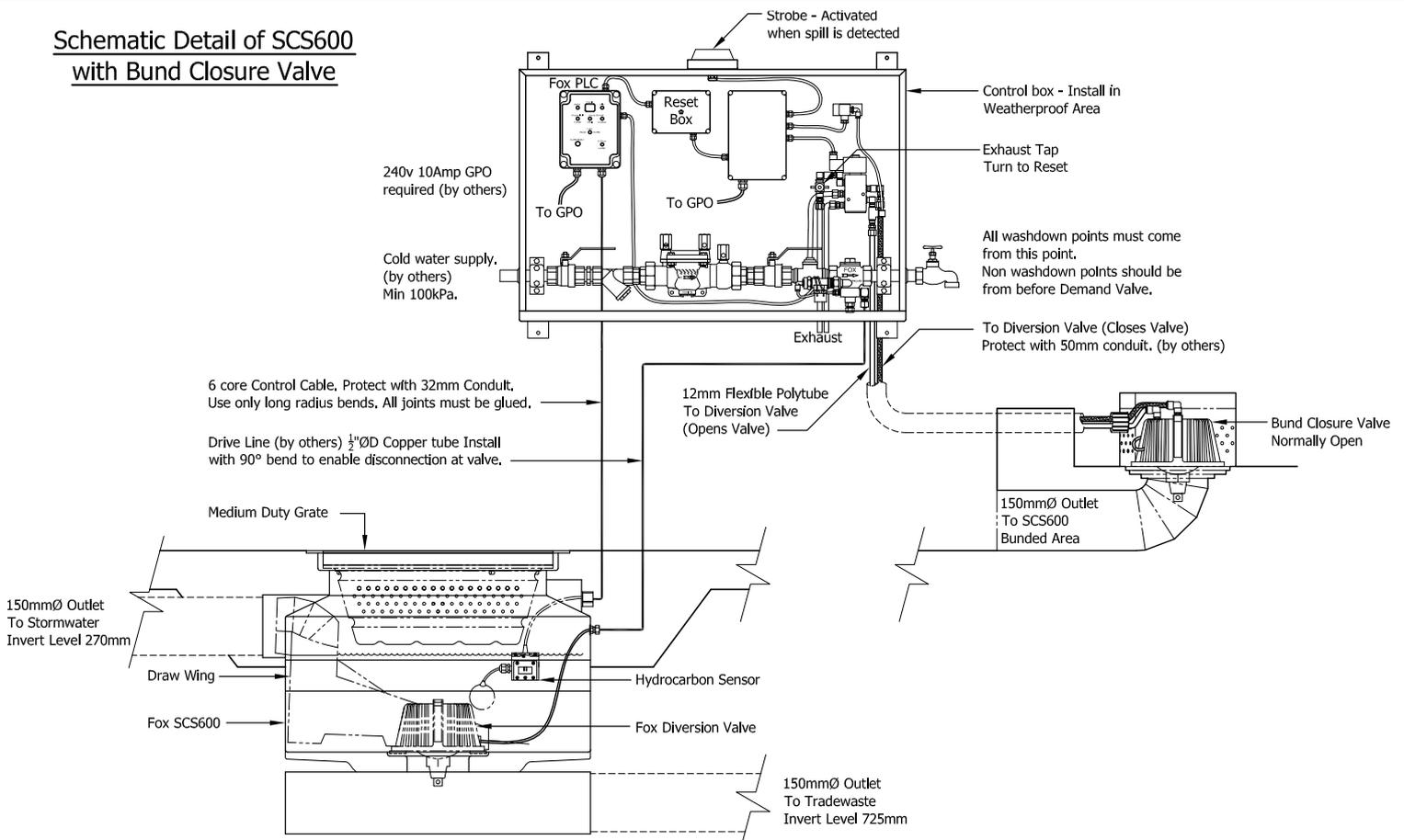
1.8 BUND CLOSURE SYSTEMS



BUND CLOSURE VALVE SYSTEM

The Fox Bund Closure Valve (BCV) system provides protection for a site against minor or major spills of hydrocarbons that may occur during a fuel transfer operation. A hydrocarbon sensor will be installed in a chamber within the bund as well as a Fox DV150 diversion valve that will activate if a spill of hydrocarbons is detected. Normally in the open position, the bund closure valve will operate if a spill is detected to close off the exit pipe from the chamber thus retaining all pollutants within the bund. A stainless steel control panel will contain all electrical control equipment as well as the Fox Demand Valve. Water supply and 240 vAC power will be required to the control panel which should be installed in a convenient location near the system. A 12mm copper drive line and a 32mm electrical conduit is required between the control panel and the bund (refer to drawing).

Schematic Detail of SCS600 with Bund Closure Valve



S200 OilGone

S200 OilGone is the next generation in the bioremediation of oil spills on land and water.

S200 OilGone use on land

EASY APPLICATION



CRUDE OIL SPILL



8 WEEKS LATER



5 WEEKS LATER

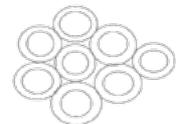
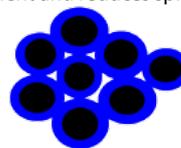
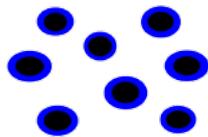
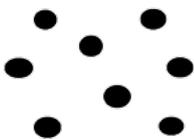
S200 OilGone use on water

S200 OilGone takes out all oil particulate contamination in polluted areas.

S200 OilGone instantly encapsulates and stabilises any oil particle in the water.

Once encapsulated, the particles will immediately cross link and form unbreakable flocks. This effectively removes the sheen, protects the environment and reduces spill area.

S200 OilGone, immediately feeds oil eating natural bacteria that multiplies exponentially to biodegrade the oil to form environmentally safe CO² and water.



S200 OilGone is a natural bioremediation accelerator used for the remediation of hydrocarbon spills and leaks.

S200 OilGone is a cost effective remedy for the onsite clean-up of hydrocarbons such as petrol, diesel, hydraulic fluid, oils and crude oil. For use on land and water, existing and new spills, S200 OilGone will remove all hydrocarbon contamination in the polluted area.

S200 OilGone works by instantly encapsulating the hydrocarbon, immediately creating a cross link and forming large unbreakable flocks; this effectively removes the sheen, protects the spill workers and environment while reducing the spill area.

S200 OilGone then feeds natural oil eating bacteria that multiplies exponentially to totally dominate the surrounding environment, which then biodegrades the oil spill to form CO² and water.

- ONLY BIOREMEDIATION PRODUCT IN AUSTRALIA TO PASS ALL TOXIC AND PERFORMANCE TESTS FOR LISTING ON:
 - AMSA NATIONAL SPILL PLAN
 - UNITED STATES EPA AND NATIONAL SPILL PLAN
- MSDS TO AUSTRALIAN STANDARDS
- US EPA, EU (Mediterranean) AND OSPAR (Spain to Norway) LISTINGS
- ONE APPLICATION THEN WALK AWAY
- 100% BIODEGRADABLE
- NON TOXIC, NON CORROSIVE AND NON FLAMMABLE



RUBBER FLOOR BUNDING

Assise® Rubber Floor Bunding is a cost effective solution to contain liquid storage in any workplace. The high density rubber compound and unique extrusion hole design allows for secure fastening enabling heavy vehicle and forklift traffic.

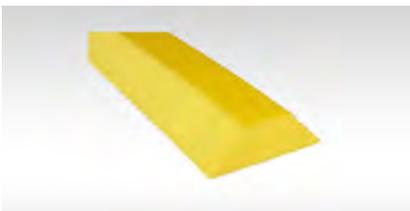
2.1



FLEXIBLE FLOOR BUNDING

Assise® Flexible Floor Bunding is manufactured from high density foam, encased in heavy-duty PVC and secured to the ground. The triangular profile collapses as vehicles drive over it and springs back to shape after the vehicle passes.

2.2



EVA FLOOR BUNDING

Assise® EVA Floor Bunding is a convenient bunding solution made from EVA foam. The adhesive film on the bottom allows for a fast and easy installation without the need for other tool use.

2.3



CONTAINMENT BUNDS

Our Assise® range of portable containment bunds are designed for use in the mining, construction, petroleum and materials handling industries. Easy to store with rapid deployment and manufactured using high quality geomembrane.

2.4



QUICK BUNDS

Assise® Quick Bunds provide quick incidental spill containment and can be folded and easily stored.

2.5



VEHICLE WASH MATS

Assise® manufacture a range of large, light weight and durable vehicle wash mats using high quality geomembrane. These mats can be made in custom dimensions to suit your requirements.

2.6



SPILL PALLETS

SpilMax® provides a number of secondary containment solutions for the storage and transport of hazardous substances.

2.7



DANGEROUS GOODS STORAGE

SpilMax® provides a number of secondary containment solutions for the storage and transport of dangerous goods.

2.8

Assise® RUBBER FLOOR BUNDING

Assise® Rubber Floor Bunding is a cost effective solution to contain liquid storage in any workplace. The high density rubber compound and unique extrusion hole design allows for secure fastening enabling heavy vehicle and forklift traffic with pneumatic tires to pass.

The bunding contains liquid spills within existing workshops without the need for major construction. With a sloped profile at 37mm high, it removes the potential tripping hazards that more common concrete or square type bunding can cause.

Chatoyer Environmental can supply the floor bunding in 5m rolls alternatively you can purchase in a complete installation kit (to install the bund yourself, the components listed below will need to be purchased).

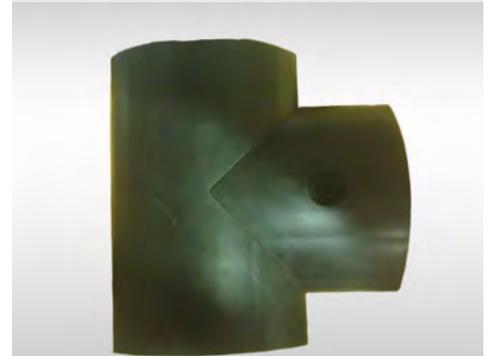
Before purchasing Assise® Floor Bunding ensure you check ground clearance of forklifts.

*Assise® RUBBER FLOOR BUNDING AVAILABLE
CUT AND MITRED UPON REQUEST*

INSTALLATION INSTRUCTIONS

1. Before installation lay bund in the sun for 30 mins to straighten the length.
2. Sand the flat under side with a 60-80 grit sanding disc.
3. Measure 50mm from end of bund and drill a 25mm wide hole 15mm deep, with a speed bore bit, then drill through the centre of 25mm predrilled hole with 10mm drill bit all the way through the rubber.
4. Repeat step 3 every 400mm along length of bund.
5. Set a chalk line where the bund will be placed, the width of the bund.
6. Apply Fulaprene 303 adhesive liberally across the marked out area.
7. Place the bund over adhesive.
8. Drill 50mm into the concrete with a masonry drill bit and vacuum concrete dust.
9. Place a 25mm x 10mm washer in each larger hole.
10. Place a 10mm x 75mm dynabolt through the rubber and into the concrete, DO NOT OVER TIGHTEN.
11. Cover tops of the dynabolts with black silicon.

Product	Code	Long	Wide	High
Assise® Rubber Floor Bunding	AFBRUB380	5m	110mm	37mm
Assise® Rubber Floor Bunding with install	AFBRUB380K	5m	110mm	37mm



BUTT JOIN



CORNER JOIN



**PRE DRILLED RUBBER FLOOR
BUNDING WITH INSTALLATION KIT
NOW AVAILABLE.**

Assise® FLEXIBLE FLOOR BUNDING



Product	Code	Long	High
Assise® Flexible floor bund	AFBFLX575	5m	75mm
Assise® Flexible floor bund	AFBFLX1075	10m	75mm
Assise® Flexible floor bund 90° corner	AFBFLX90C75	90°	75mm

Assise® Flexible Floor Bunding is manufactured from high quality memory foam, encased in heavy-duty PVC and secured to the ground. The triangular profile compresses down as vehicles drive over it and springs back to shape after the vehicle passes.

Assise® Flexible Floor Bunding is an ideal way to create secure banded areas in workshops, liquid storage areas and across warehouse doors to contain spills.

Installation kits are available; full instructions are included to ensure the units are correctly installed and can be removed and re-installed if required.

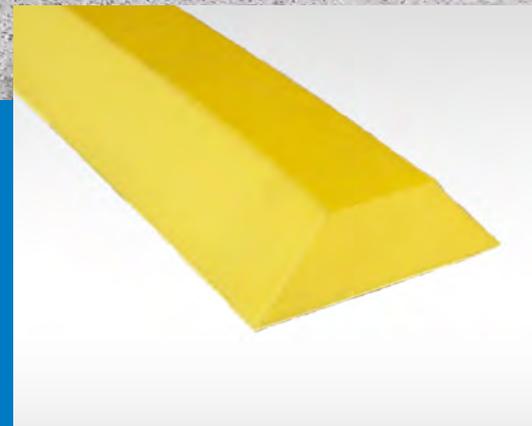
Before purchasing Assise® Floor Bunding ensure you check ground clearance of forklifts.

INSTALLATION INSTRUCTIONS

1. Pre-drill 50mmW x 4mmD aluminum flat-bar, counter sunk 6mm hole to suit masonry fasteners approximately every 400mm.
2. Mark out area to be installed with chalk line.
3. Lay Flexible Bunding along chalk line.
4. Lay aluminum flat-bar along that edge; drill into concrete insert masonry fasteners.
5. Lift side not fastened and apply Fulaprene 303 adhesive under flexible bund, replace and seal.
6. Lay aluminum flat-bar along remaining edge; drill into concrete insert masonry fasteners.
7. Corner pieces to overlap flexible bund and glued with PVC or vinyl Glue.

EVA FLOOR BUNDING

**EASY TO INSTALL
SELF ADHESIVE
NO TOOLS REQUIRED
NO DRYING TIME**



Product	Code	Long	Wide	High
Assise® EVA Floor Bunding	AFBEVA14022	970mm	140mm	22mm
Assise® EVA Floor Bunding	AFBEVA14040	970mm	140mm	40mm

Assise® EVA Bunding is a quick and easy way to create a liquid tight bunded area in most types of workplaces. Suitable to be used in traffic areas, the bunding will compress to allow easy egress and immediate use.

Bevelled edges and a flat top surface allow unrestricted movement over the top of the bund whilst preventing damage to the bund and the passing vehicles. The Assise® EVA Bund is resistant to a wide range of chemicals and can be used in a variety of bunding situations. Installation is as easy as peeling the backing to reveal the adhesive on the flat underside and applying to the clean smooth surface.*

Before purchasing Assise® Floor Bunding ensure you check ground clearance of forklifts.

INSTALLATION INSTRUCTIONS

1. Prepare the area by cleaning and degreasing the surface. The surface must be sealed*, completely dry, dust free and clean prior to installation.
2. Using a chalk line, draw a straight line the full length of the surface area on which you are laying the bunding.
3. Remove liner from base and place along straight edge. Firmly walk on the bunding to assist adhesion.
4. Continue with installation, applying adhesive if ends have been cut; until all pieces have been laid.

* Assise® EVA Floor Bunding should only be used on a smooth concrete surface free from concrete dust, if you have a standard concrete floor, seal with a concrete sealer, if your concrete is overly rough bunding should be placed over a 160mmW aluminum flat bar fixed to the floor.

2.4 PORTABLE CONTAINMENT

Assise® PORTABLE CONTAINMENT BUNDS

Our Assise® range of portable containment bunds are designed for use in the mining, construction, petroleum and materials handling industries.

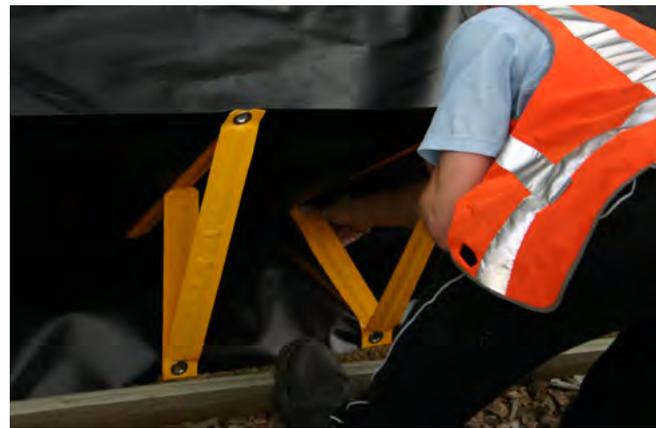
Manufactured using heavy duty geomembrane which is highly resistant to punctures, tears, abrasions, ultraviolet radiation, temperature extremes, hydrocarbons, and a host of chemicals. Portable containment bunds are a flexible and highly durable containment solution that will exceed your expectations.

Available in standard sizes or custom built to suit your organisation's requirements, these bunds are ideal for both mobile and permanent operations.

Available in wall heights of 300mm and 500mm.

To increase longevity of your portable containment bund, consider the use of an Assise® ground mat.

Product	Code	Long	Wide
Assise® Portable Containment	APCPCB01	1.3m	1.3m
Assise® Portable Containment	APCPCB02	1.9m	1.9m
Assise® Portable Containment	APCPCB03	2.4m	2.4m
Assise® Portable Containment	APCPCB04	3.6m	3.6m
Assise® Portable Containment	APCPCB10	15m	3.6m
Assise® Portable Containment	APCPCBCUST	CUSTOM	



**CUSTOM SIZES AVAILABLE
HEAVY DUTY CONSTRUCTION**



Assise® QUICK BUNDS

Assise® Quick Bunds can be used for the temporary or permanent storage of fuel drums, machines or leaking equipment. For use in both indoor and outdoor settings, they provide quick incidental spill containment.

The Assise® Quick Bund was designed with storage in mind, easily rolled and stored, allowing you to respond to any incidental spill in minutes.

To increase longevity of your portable containment bund, consider the use of an Assise® ground mat.

Features

- Manufactured using a 900gsm heavy duty PVC
- Easy to fold, transport and store
- 75mm wall height

Product	Code	Long (Internal)	Wide (Internal)	Long (External)	Wide (External)	Bund size
Assise® Quick Bund	APCQCB1	660mm	660mm	1m	1m	1 drum
Assise® Quick Bund	APCQCB2	1320mm	660mm	2m	1m	2 drum
Assise® Quick Bund	APCQCB4	1320mm	1320mm	2m	2m	4 drum
Assise® Quick Bund	APQCBCUST					Custom



CUSTOM SIZES AVAILABLE

Assise® VEHICLE WASH MATS



For vehicle washing applications on commercial premises

Assise® Vehicle Wash Mats are constructed using heavy duty geomembrane, with drive over edges made from high quality memory foam all round.

For best results the mat should be used with an Assise® geotextile underlay to prevent damage to the mat.

The mats are available with a 12v 'bilge pump' kit for removal of the wash water during use.

The mats have raised sides to hold the water and a pump so wastewater can be directed to a suitable disposable location or storage tank

Construction

Mat: UV resistant heavy duty geomembrane
Bund: 75mm drive over memory foam.

Manufactured using heavy duty geomembrane which is highly resistant to punctures, tears, abrasions, ultraviolet radiation, temperature extremes, hydrocarbons, and a host of chemicals.

Assise® Vehicle Wash Mats are a flexible and highly durable containment solution that will exceed your expectations.



Applications

- Portable motor vehicle washing
- Permanent wash bays
- Truck and machinery wash down
- Temporary containment of leaking equipment
- General spill containment bund
- Temporary storage of liquids



Product	Code	Long	Wide
Car (standard)	APCVWM63	6m	3m
Truck (standard)	APCVWM184.1	18m	4.1m
Custom	APCVWMCUST	Made to order	

2.7 SPILL PALLETS



2 DRUM SPILL PALLET



4 DRUM SPILL PALLET



IBC SIDE BY SIDE



DRUM DOLLY



IBC

Product	Code	Long	Wide	High	Capacity	Cubic	Weight
SpilMax® Spill Pallet 2 drum	CHBP2	820mm	1280mm	410mm	230L	0.43	23kg
SpilMax® Spill Pallet 4 drum	CHBP4L	1280mm	1280mm	320mm	240L	0.524	33kg
SpilMax® Rack Bunding 4 drum	CHRB1	1310mm	1310mm	280mm	220L	0.463	25kg
SpilMax® Spill Pallet IBC	CHBB1	1760mm	1360mm	900mm	1300L	2.154	129kg
SpilMax® Spill Pallet 2 IBC side by side	CHBB2	2560mm	1360mm	610mm	1300L	2.124	146kg
Drum Truck Mobile Dispensing Dolly	CHBT230	815mm	1740mm	680mm	230L	-	42kg
Single Drum Dolly with handle	CHPDDH	850mm	630mm	175mm	205L	-	-

DANGEROUS GOODS STORAGE

FEATURES



2000L Metal Dangerous Goods Store

Product Code	DGS2000L
Dimensions (WxDxH)	1450 x 2370 x 2195mm
Maximum Capacity	2000 Litres
Weight	521 kg



LATCH (To hold the door back)



VENTS



1000L Metal Dangerous Goods Store

Product Code	DGS1000L
Dimensions (WxDxH)	1445 x 1345 x 2410mm
Maximum Capacity	1000 Litres
Weight	340 kg



HEAVY DUTY GRATES

- Fully compliant with Australian Standards*
- Heavy duty metal construction*
- Fully galvanised*
- Weather proof*
- 270° Fold back doors with latch*
- Cambered roof for water run off*
- Vents to suit AS1940-2004*
- Ample bund capacity*
- All relevant safety signage*
- Lockable for on-site security*



DRAIN WARDEN

The Assise® Drain Warden has been designed to fit inside existing drain pits. Capturing contaminants whilst allowing water to flow through the storm water drain; effectively removing coarse sediments, oil, litter and debris.

3.1



SILT WARDEN

The Assise® Silt Warden fits inside an existing drain pit, designed to capture silt, coarse sediments and debris. The unit is manufactured with superior horticultural shadecloth to satisfy robust construction environments.

3.2



VEHICLE WASH MATS

Assise® manufacture a range of large, light weight and durable vehicle wash mats manufactured from high quality geomembrane. These mats can be made in custom dimensions to suit your requirements.

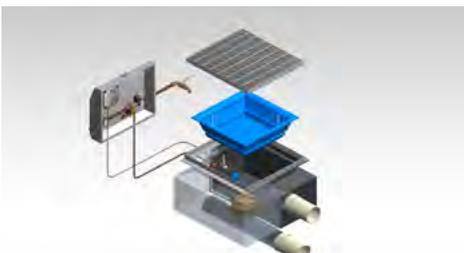
3.3



DRAIN PROTECTION

Assise® manufacture a range of drain covers and drain blockers that provide a simple yet effective method for temporarily sealing a drain pit in the event of a spill.

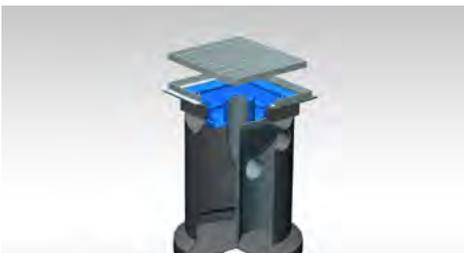
3.4



DIVERSION SYSTEMS

The Fox Demand Driven Washdown Diversion system can be installed in any convenient location and will provide protection of the environment from the run-off from washdown areas. The system is virtually self contained and can even be installed in a space that doubles as a parking area.

3.5



POLLUTANT TRAPS

The Fox Model BPT600 Gross Pollutant Trap is a baffled pollutant trap with a high flow by-pass. It is designed for use in open areas where trash and other debris cannot be controlled and a potential for minor quantities of hydrocarbons exist.

3.6



DEWATERING BAGS

The Assise® Dewatering and Sediment Filter bags are perfect for pumping and filtering sediment laden water. These bags retain solids, sediment, and other particles allowing only clean water out of the bag.

3.7

Assise® DRAIN WARDEN

The Assise® Drain Warden helps prevent contaminants from entering the waterway whilst still allowing water to flow through. Installed beneath the drain grate, the Drain Warden effectively removes coarse sediments, oil, litter and debris from run off.

The unique design of the Assise® Drain Warden uses a polypropylene non woven geotextile fabric as a filter medium and a polypropylene mini boom for hydrocarbon absorption to provide storm water inlet protection.

Ideal for use in car parks, delivery docks, service areas, construction sites and industrial plants where surface oil and grease can be carried into the storm water drains.

With the added benefit of DIY installation

Operation

The Drain Warden operates in a similar fashion to a gross pollutant trap to manage potential contaminants and non conformities from entering the storm water system. Any particulate greater than *90microns will be trapped by the geo-textile fabric prior to its entering the storm water.

Run off water entering the drain will tend to 'swirl' inside the Drain Warden, with hydrocarbons attracted to the hydrophobic boom suspended beneath the grate. Particulates greater than the pore size of the fabric will be trapped inside the Drain Warden.

The Drain Warden also has overflow pockets to facilitate large volume flows (storm events etc).

*1 micron is equal to one millionth of a metre, or one thousandth of a millimeter. Therefore, 90 microns is equal to 90 millionths of a metre.

Construction

UV stabilised needle punched polypropylene nonwoven geo-textile



Product	Code	Long	Wide	Basin
Drain Warden	ASPDW1212	1.2m	1.2m	600mm
Drain Warden	ASPDW2412	2.4m	1.2m	600mm

Assise® SILT WARDEN



The Assise® Silt Warden fits inside an existing drain pit while the drain grate holds this inlet protection device in place. The superior horticultural shade cloth captures silt, coarse sediments and debris whilst allowing water to flow through the storm water drain. Designed for easy removal with forklift or other equipment, the Assise® Silt Wardens are ideal for retaining silt on construction sites before roadways and infrastructure is laid.

Product	Code	Long	Wide	Basin
Assise® Silt Warden	ASPSWD1212	1.2m	1.2m	600mm



Assise® VEHICLE WASH MATS



For vehicle washing applications on commercial premises

Assise® Vehicle Wash Mats are constructed using heavy duty geomembrane, with drive over edges made from high quality memory foam all round.

For best results the mat should be used with an Assise® geotextile underlay to prevent damage to the mat.

The mats are available with a 12v 'bilge pump' kit for removal of the wash water during use. The mats have raised sides to hold the water and a pump so wastewater can be directed to a suitable disposable location or storage tank



Construction

Mat: UV resistant heavy duty geomembrane
Bund: 75mm drive over memory foam.

Manufactured using heavy duty geomembrane which is highly resistant to punctures, tears, abrasions, ultraviolet radiation, temperature extremes, hydrocarbons, and a host of chemicals.

Assise® Wash Mats are a flexible and highly durable containment solution that will exceed your expectations.

Applications

- ◆ Portable motor vehicle washing
- ◆ Permanent wash bays
- ◆ Truck and machinery wash down
- ◆ Temporary containment of leaking equipment
- ◆ General spill containment bund
- ◆ Temporary storage of liquids



Product	Code	Long	Wide
Car (standard)	APCVWM63	6m	3m
Truck (standard)	APCVWM184.1	18m	4.1m
Custom	APCVWMCUST	Made to order	

Assise® WEIGHTED DRAIN COVER

Assise® Weighted Drain Covers provide a simple yet effective method for temporarily sealing a drain pit in the event of a spill.

Designed as an economical solution for your storm water management, the Assise® Drain Cover comes with a storage bag that can be attached to a wall or similar to ensure it is readily available to deploy in seconds.

Construction

Made with a robust PVC construction, with a geotextile underlay giving the Drain Cover a better seal on rough surfaces.

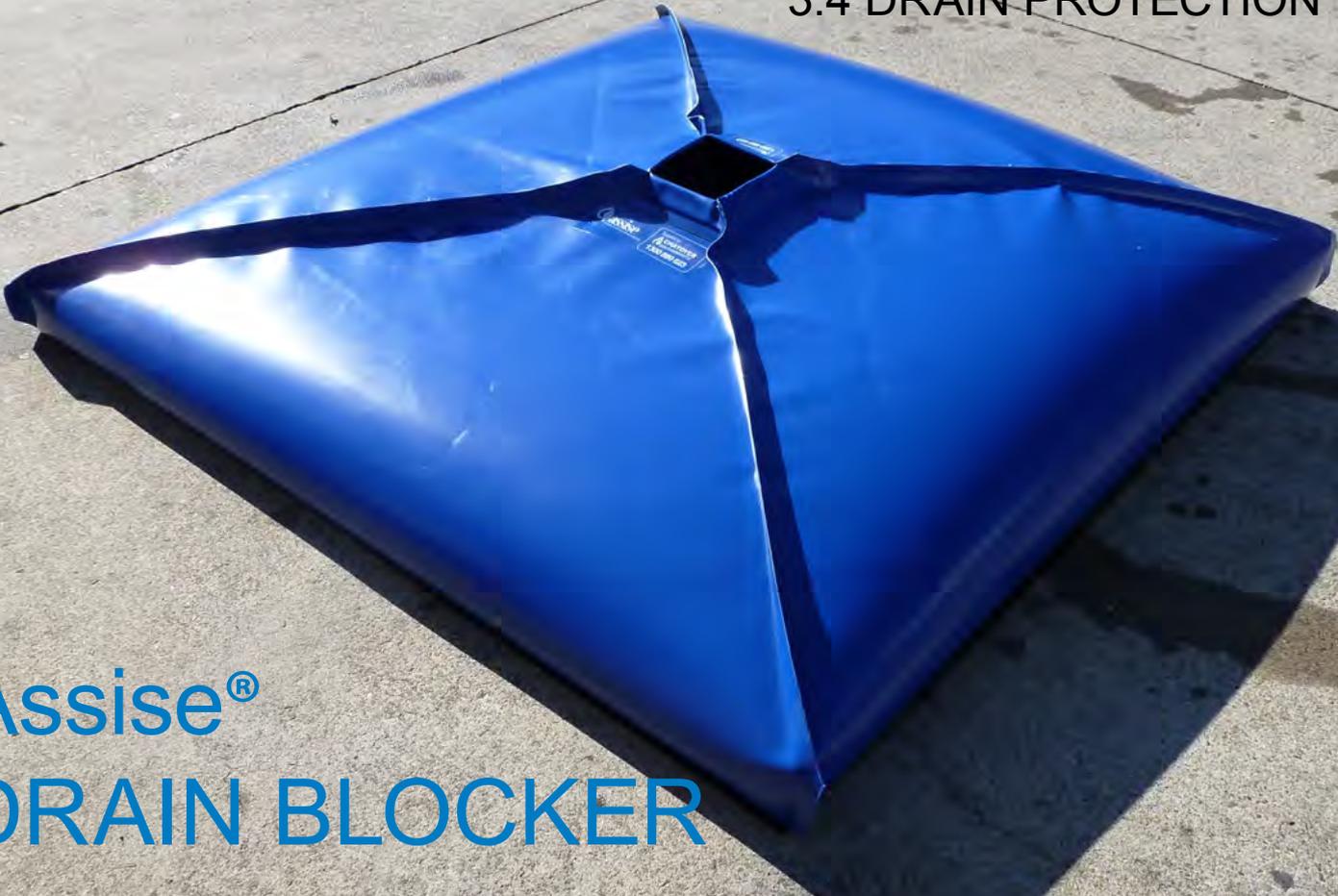
The gel filling allows flexibility so the drain cover conforms to almost any gutter or flooring surface while allowing the edges to sit firmly over the grate and drain surrounds.

Applications

- ◆ Industrial sites
- ◆ Vehicle car parks
- ◆ Fuel storage & Transfer areas
- ◆ Aggregate wash down areas

Product	Code	Long	Wide
Assise® Weighted Drain Cover	ASPWDC1212	1.2m	1.2m
Assise® Weighted Drain Cover	ASPWDCCUSTOM	CUSTOM	





Assise® DRAIN BLOCKER



The Assise® Drain Blocker has been designed as an effective solution to prevent liquids from entering the storm water network. Initially designed for fire fighters, the drain blocker is simple and easy to use. Simply fill it with water and you can instantly protect the drain from harmful liquids entering.

The Assise® Drain Blocker can contour to fit varying gutter and drain shapes while firmly sealing the area.

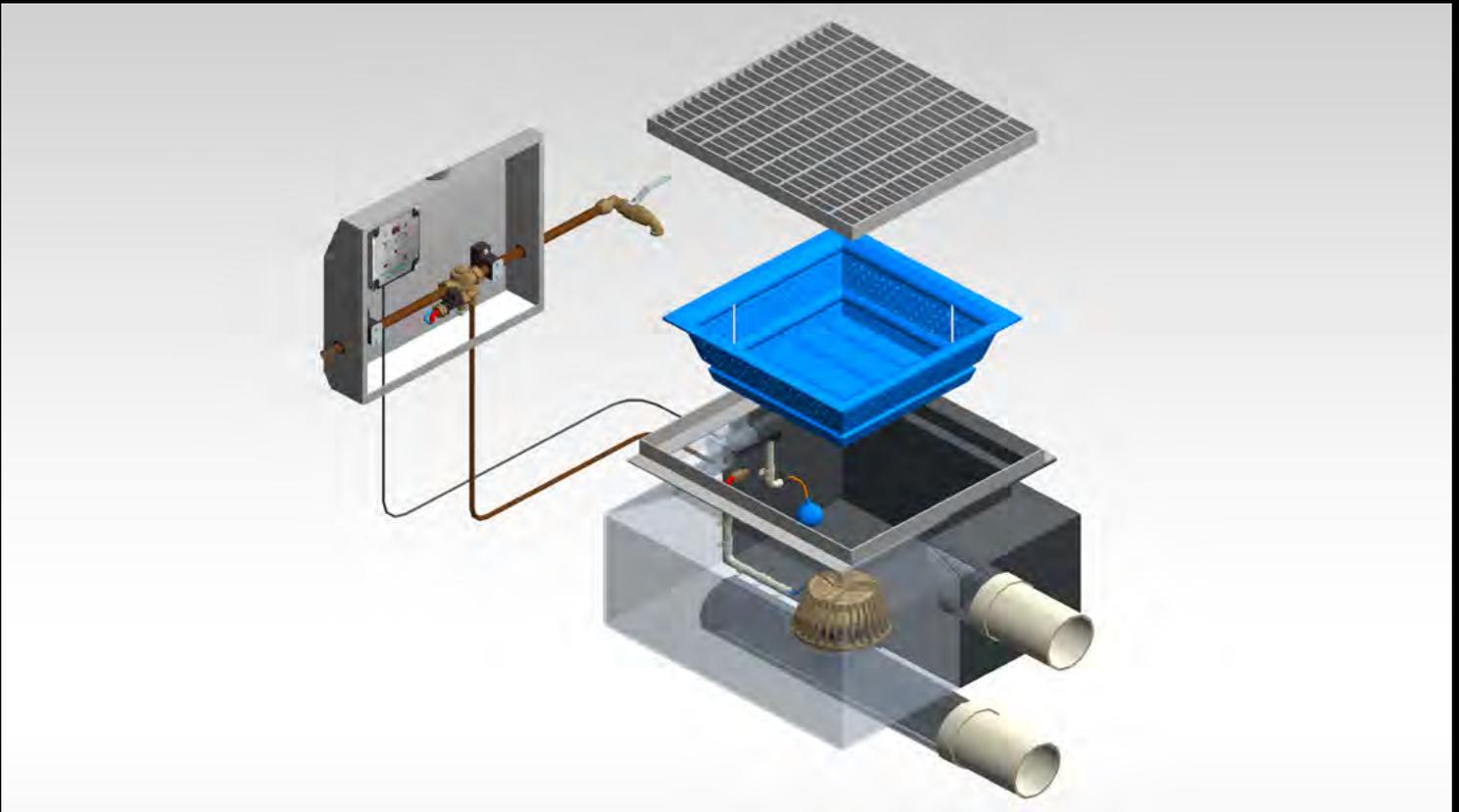
Fabricated in heavy duty PVC with a geotextile base, nothing will get past this blocker.

Product	Code	Long	Wide
Assise® Drain Blocker	SPDB1300	1.3m	1.3m
Assise® Drain Blocker	SPDBCUST	CUSTOM	

DEMAND DRIVEN & FIRST FLUSH DIVERSION SYSTEMS

Why use a washdown diversion system?

Traditionally roofs have been used to eliminate rainwater from the tradewaste system in washdown areas. Apart from the initial costs involved in roofing a large area, time has proven this to be both an inefficient way to control rainwater (wind blown rain will enter the area) and a severe limitation on the efficiencies of the washdown activities due to the size and height restraints of roofed areas.



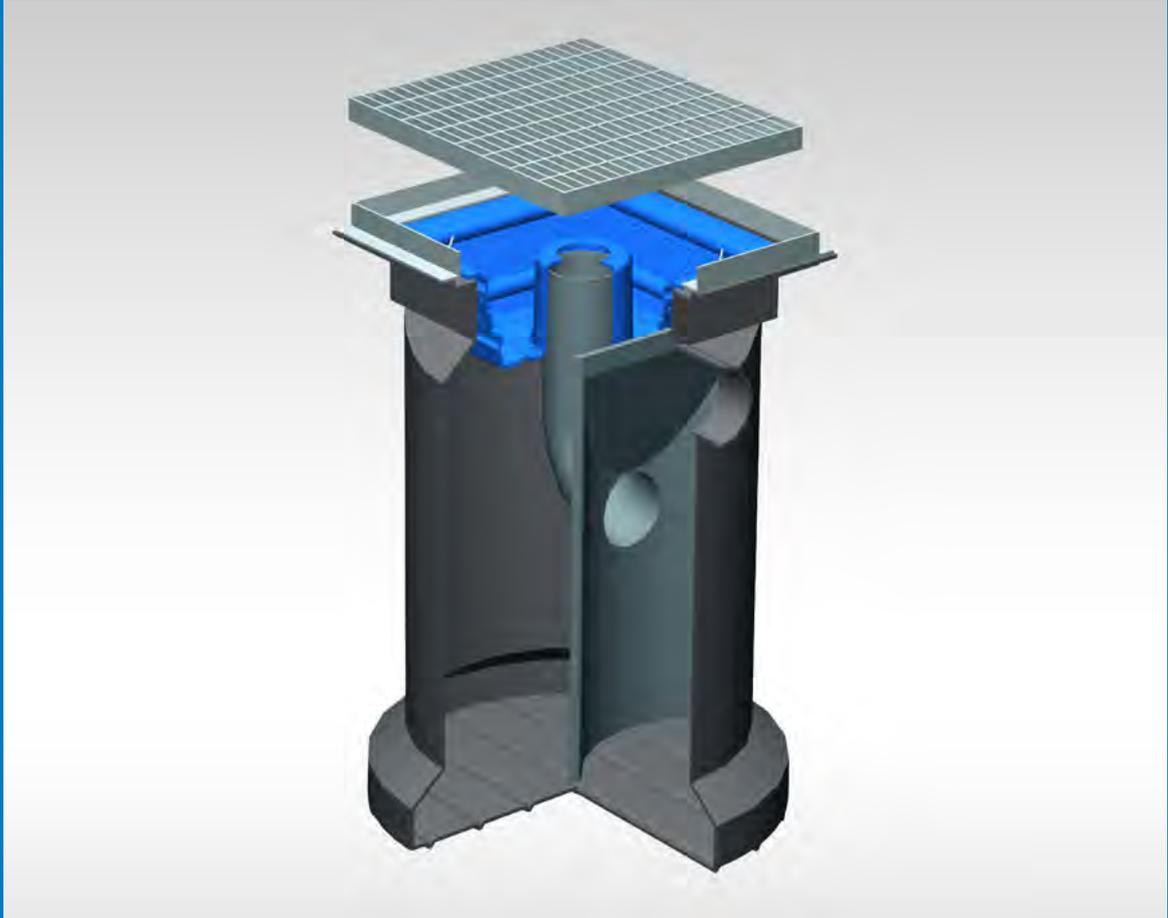
A Fox Demand Driven Washdown Diversion system can be installed in any convenient location and will provide protection of the environment from the run-off from washdown areas. The system is virtually self contained and can even be installed in a space that doubles as a parking area.

When a wash operation is taking place the diversion valve will be held in an open position allowing all runoff to go to tradewaste. When washdown ceases the valve will close allowing any rain to fill the chamber and leave through the storm water outlet. It is most important that the area is left clean as there is no protection for the environment when a wash operation is not taking place. Should the area not be able to be left clean the Fox First Flush System would be recommended (FF600).

The unit is fitted in a polyethylene chamber with a 400 square medium duty grate. A galvanised steel mesh stone basket is fitted below the grate to capture solids and free floating debris. This is removable for disposal of the captured pollutants. A Fox Model DV150 storm water diversion valve is installed in the bottom of the chamber. A Fox Demand Valve is provided and must be installed prior to the wash point. A 1/2" copper drive line is installed from the demand valve to the connection point of the chamber by the installing plumber. This is the signal line that will activate the diversion of the unit when a demand for wash water is detected. Plumbing regulations require that an RPZ unit is fitted prior to a hosepoint in the wash area. We can supply an RPZ and strainer on request.

In some Shires it is a requirement that washdown cannot take place in open areas during a rain event. The Fox Model DD600S WDSD provides this facility. Local Council Regulations should be confirmed before installation.

GROSS POLLUTANT TRAPS



A Fox Model BPT600 Gross Pollutant Trap is a baffled pollutant trap with a high flow by-pass. It is designed for use in open areas where trash and other debris cannot be controlled and a potential for minor quantities of hydrocarbons exist. The Fox BPT Gross Pollutant Trap comes standard with a heavy duty Class 'B' grate and frame. Heavier classes can be supplied if required at an additional cost.

The Gross Pollutant Trap has a controlled flow rate through the silt basket where trash and silt are removed. Runoff then enters the main chamber and exits under the baffle, retaining any hydrocarbons that may be present. If the rain intensity exceeds the treatable flow rate the high flow by-pass allows excess runoff to exit directly via the baffle.

The Fox BPT600 Gross Pollutant Trap has an efficiency of greater than 99% for the capture and retention of silts and solids larger than .3mm. This exceeds most Councils' requirements for a storm water quality improvement device (SQID). Typically Local Councils require a SQID to capture and retain specified pollutants during a 3 month average rain event.

Assise® DEWATERING BAGS

The Assise® Dewatering and Sediment Filter bags are perfect for pumping and filtering sediment laden water. The dewatering bags provide a simple yet effective method of removing heavy particles (>90 microns) from excavation water allowing silt free water to be released from the bag.

CONSTRUCTION

- ◆ 270gsm geotextile fabric
- ◆ Double thickness neck for strength
- ◆ 90 micron pore size
- ◆ Double stitching
- ◆ Male camlock connector

APPLICATIONS

- ◆ Small to medium excavation sites - Pump out rain water
- ◆ Pump outs
- ◆ Aggregate wash down
- ◆ Remove particulates from water including silt and debris

Product	Code	Long	Wide
Assise® Dewatering Bag	ASCDEW0515	1.5m	0.5m
Assise® Dewatering Bag	ASCDEW1525	2.5m	1.5m
Assise® Dewatering Bag	ASCDEW63	6m	3m
Assise® Dewatering Bag	ASCDEWCUST	Made to order	





SILT SOCKS

Assise® Silt Socks provide temporary control for sediment run off or water diversion to prevent silt and sediment from entering the storm water

4.1



SILT FENCE

Assise® Silt Fence is used to prevent sediment from entering drains, natural waterways and sensitive environmental areas.

4.2



DEWATERING BAGS

The Assise® Dewatering and Sediment Filter bags are perfect for pumping and filtering sediment laden water.

4.3



EROSION MATS

Assise® Jute Mesh is an organic flexible, loose woven mesh used for erosion control and seed establishment.

4.4



COIR LOGS

Assise® Coir Logs are a natural planting medium for vegetation and made from 100% coir (coconut) fibre. Coir Fibre Logs are a totally biodegradable material.

4.5



SILT WARDEN

The Assise® Silt Warden fits inside an existing drain pit while the drain grate holds this inlet protection device in place. The superior horticultural shade cloth captures silt, coarse sediments and debris.

4.6

EROSION PRINCIPLE

Whenever reasonable and practical, priority needs to be given to the preventing, or at least minimising soil erosion rather than allowing the erosion to occur and trying to trap the resulting sediment.

Assise® SILT SOCKS



Product	Code	Long	Diametre
Assise® Silt Sock	ASCSOC1	1m	150mm
Assise® Silt Sock	ASCSOC2	2m	150mm
Assise® Silt Sock	ASCSOC3	3m	150mm
Assise® Silt Sock	ASCSOC50	50m	150mm

Assise® Silt Socks are a temporary solution to control water movement, minimising site wetness and reduce soil erosion. Available in a variety of different lengths to maximise handling efficiencies, silt socks manage the storm water flow requirements of a site via the cost effective solution of diverting “clean” storm water run off around traps or directing sediment laden water into sediment traps.

Arranged around a storm water drain or around the boundary of a construction site, silt socks are an effective and flexible tool to prevent silt and sediment from entering waterways.

Constructed from robust non woven 270gsm geotextile filter cloth and typically filled with aggregate, Assise® Silt Socks provide temporary control for sediment run off.

EROSION PRINCIPLE

Whenever reasonable and practical, priority needs to be given to the preventing, or at least minimising soil erosion rather than allowing the erosion to occur and trying to trap the resulting sediment.

Assise® SILT FENCE



Assise® Silt Fence material is manufactured from 100% polypropylene tape yarns to produce an inert and highly stable woven geotextile structure with UV inhibitors for long term performance & site protection.

APPLICATIONS

Assise® Silt Fence is designed for the protection of natural surrounding areas during the course of earthworks and construction activities.

Silt Fences primarily trap the coarser sediments with its principal job to pond water during a storm and must be installed and constructed in a way that temporarily ponds water at regular intervals along the fence. Whenever practical, silt fences should be located along the contour to maintain flow conditions down-slope of each fence. Sensitive aquatic margins require protection from sediment run-off which can contaminate water-bodies due to nutrient overload. Assise® Silt Fence is utilised to prevent such contamination by flanking exposed soils or bordering entire construction sites.

Product	Code	Long	Wide
Assise® Silt Fence	ASCFEN100	100m	86cm

Assise® DEWATERING BAGS

The Assise® Dewatering and Sediment Filter bags are perfect for pumping and filtering sediment laden water. The dewatering bags provide a simple yet effective method of removing heavy particles (>90 microns) from excavation water allowing silt free water to be released from the bag.

CONSTRUCTION

- ◆ 270gsm geotextile fabric
- ◆ Double thickness neck for strength
- ◆ 90 micron pore size
- ◆ Double stitching
- ◆ Male camlock connector

APPLICATIONS

- ◆ Small to medium excavation sites - Pump out rain water
- ◆ Pump outs
- ◆ Aggregate wash down
- ◆ Remove particulates from water including silt and debris

Product	Code	Long	Wide
Assise® Dewatering Bag	ASCDEW0515	1.5m	0.5m
Assise® Dewatering Bag	ASCDEW1525	2.5m	1.5m
Assise® Dewatering Bag	ASCDEW63	6m	3m
Assise® Dewatering Bag	ASCDEWCUST	Made to order	



Assise® EROSION MAT



Assise® Jute Mat is 100% organic and is the traditional erosion control blanket used to protect soils in areas exposed to wind or high rainfall. The innate characteristic of “moulding” to the ground allows Jute Mat to reduce moisture loss from the soil that aids the growth of desired plants. It has a life expectancy varying from 6 to 24 months depending on grade and climatic conditions. Jute Mesh is a biodegradable open weave erosion control mesh suitable for short term erosion protection to batters and open drains and is ideal for use in natural environments.

Jute Mesh helps retain moisture and allows water and light infiltration to encourage vegetation growth. Used for slope protection, roadside shoulders, drainage areas, landscape projects whilst also used in conjunction with Hydro seeding and Seed & Bitumen emulsion spraying.

Product	Code	Long	Wide	Grade
Assise® Jute Mat 450gsm	ASCJM450	25m roll	1.83m	75mm
Assise® Jute Mat 750gsm	ASCJM750	25m roll	1.83m	75mm
Assise® Jute Mat 500gsm	ASCJMS500	548m bale	1.22m	75mm

Assise® COIR LOGS

Assise® Coir Logs are made from 100% natural coconut fibre compacted into an outer mesh of bristle coir twine. They incorporate biological, ecological and engineering aspects of erosion control into their design, producing a structure, that when vegetated, controls shoreline and streambank erosion. Coir Logs are fully biodegradable within 5-10 years, decomposing into a natural medium that promotes plant growth. As this happens, a well established root system develops that will blend into aquatic environments and successfully hold banks and shorelines in place, preventing further erosion by diminishing the force of waves and stream flow. This is why vegetating is recommended. Once wetland plants are established, Coir Logs also provide a natural habitat for wildlife.

IDEAL USE

- ◆ Water diversion
- ◆ Sediment filtration
- ◆ Spill containment
- ◆ Stream bank stabilisation
- ◆ Coastal erosion
- ◆ Erosion control
- ◆ Slope control

Product	Code	Long	Diameter
Assise® Coir Log	ASCLOG2	3m	200mm
Assise® Coir Log	ASCLOG3	3m	300mm



Assise® SILT WARDEN



The Assise® Silt Warden fits inside an existing drain pit while the drain grate holds this inlet protection device in place. The superior horticultural shade cloth captures silt, coarse sediments and debris whilst allowing water to flow through the storm water drain. Designed for easy removal with forklift or other equipment, the Assise® Silt Warden is ideal for retaining silt on construction sites before roadways and infrastructure is laid.

Product	Code	Long	Wide	Basin
Assise® Silt Warden	ASPSWD1212	1.2m	1.2m	600mm

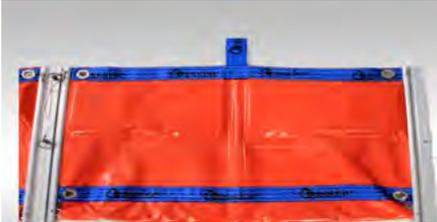




CONTAINMENT BOOMS

Assise® Containment Booms are an impervious barrier designed to deflect or contain spills and floating debris. Our standard closed cell foam floatation chamber and continuous skirt below the surface ensure these booms perform well in rough weather and can be used for short and long term deployment.

5.1



FENCE BOOMS

Assise® Fence Booms are a fence like barrier designed to deflect or contain oil and floating debris. The unique construction allows the fence boom to be conveniently stored in a bag, cage or on a reel, making it ideal to deploy in an emergency situation.

5.2



SILT CURTAINS

Assise® Aquatic Silt Curtains are a durable yet economic choice to control the settling of silt suspended in water and prevent these particles from spreading further, whilst allowing the water to continue to flow through. Suitable for use in dredging, excavation, piling operations, rock walling and other marine construction activities.

5.3



WEED AND RUBBISH BOOMS

Assise® Weed Control Booms are manufactured using a superior horticulture shade cloth for durable filtration, to contain all noxious weed and rubbish, whilst allowing water to continue to flow through.

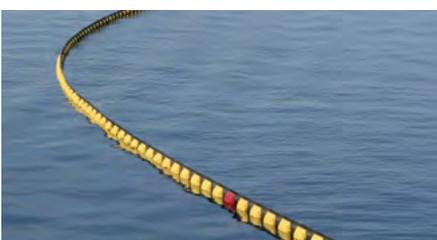
5.4



BAFFLE SYSTEMS

Assise® Floating Baffles offer an easy, flexible and economical way to improve efficiency and effectiveness of a pond, settling basin or any other body of quiescent water.

5.5



PERMANENT BOOMS

Assise® Permanent boom systems are designed and manufactured to meet your site's specific needs. The purpose behind these systems is to provide 24/7 continuous protection from oil spills and other.

5.6



INFLATABLE BOOMS

The Lamor Inflatable Light Oil Boom is manufactured in high visibility orange PVC which is resistant to oils and sunlight. It covers the increasing demand for a cost effective boom which is fast to deploy, lightweight,

5.7



HEAVY DUTY BOOMS

The Lamor heavy duty oil boom is specifically suited for use in open seas, harbours and permanent installations. Manufactured using the highest quality components and constructed so that two layers of synthetic fabric are vulcanised together with synthetic oil resistant rubber outer layers.

5.8

Assise® CONTAINMENT BOOMS

Assise® Containment Booms are an impervious barrier designed to deflect or contain spills or floating debris. With our standard closed cell foam floatation chamber and continuous skirt below the surface, these booms perform very well in rough weather and can be used for short or long term deployment in harbours, rivers, ponds, dams and other open waterways.

Manufactured from heavy duty PVC, these booms have a standard closed cell foam floatation chamber, chain ballast and ASTM connectors.

ADVANTAGES

- ◆ Operates in a variety of conditions
- ◆ Ideal for a variety of applications
- ◆ Cost effective
- ◆ Available in 10m & 15m lengths

PACKAGES

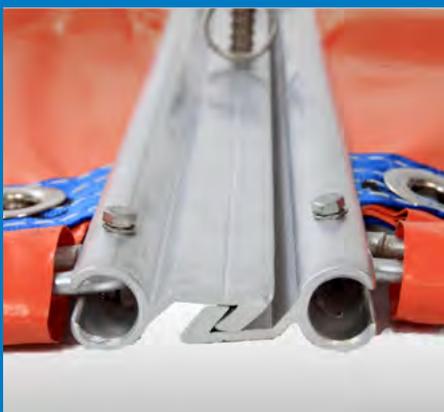
Containment Boom + Towing Set
+ Anchor Set



Product	Code	High	Freeboard	Draft
Assise® Containment Boom	AMCCON10015450	450mm	150mm	300mm
Assise® Containment Boom	AMCCON10015650	600mm	150mm	450mm
Assise® Containment Boom	AMCCON15015650	650mm	200mm	450mm
Assise® Containment Boom	AMCCON15015900	900mm	200mm	700mm



Assise® FENCE BOOMS



Assise® Fence Booms are a fence like barrier designed to deflect or contain oil and floating debris. The fence boom is constructed using square and flat sections allowing it to be stored in bags, cages or reels. This particular boom is better suited to calm or sheltered waters.

ADVANTAGES

- Convenience in storage, deployment and retrieval due to their shape
- Unique design ensures it stays upright in the water
- Light weight, compact and ideal to deploy in emergency situations

Packages can include Fence Boom + Anchor Set + Towing Set + Storage Reel

Product	Code	High	Freeboard	Draft
Assise® Fence Boom	AMCFEN100615	615mm	185mm	430mm

Assise® AQUATIC SILT CURTAINS

BUILT STRONG, TOUGH AND RELIABLE

Assise® Aquatic Silt Curtains control the settling of silt suspended in water and prevent these particles from spreading within the waterway, whilst allowing the water to pass through. Suited for use in dredging, excavation, piling operations, rock walling and other marine construction activities.

Available in standard design configurations with closed cell foam floatation, 270gsm geotextile and galvanised chain ballast, Assise® Aquatic Silt Curtains can also be manufactured with external floats and specialised geotextile.

The Assise® Silt Curtain can be customised to suit your specific project requirements such as project longevity, operating sea states and government regulations to name a few.

Assise® Aquatic Curtains can be packaged to suit your needs, packages can include Anchor Set + Tidal Riser + Install/Removal

Product	Code	Long	Skirt	Float	Chain
Assise® Silt Curtain	AMCASC100151	15m	1m	100mm	6mm
Assise® Silt Curtain	AMCASC100152	15m	2m	100mm	6mm
Assise® Silt Curtain	AMCASC100153	15m	3m	100mm	6mm
Assise® Silt Curtain	AMCASC100154	15m	4m	100mm	6mm
Assise® Silt Curtain	AMCASC100155	15m	5m	100mm	8mm
Assise® Silt Curtain	AMCASC100156	15m	6m	100mm	8mm
Assise® Silt Curtain	AMCASCUSTOM	CUSTOM			



5.4 WEED & RUBBISH BOOM

Assise® WEED AND RUBBISH BOOM

Assise® Weed and Rubbish Booms are a permanent or temporary solution for pollution control, containment and recovery of floating trash, debris, or aquatic plants. Designed to form a floating barrier around your debris laden areas, the Assise® Weed and Rubbish booms make it easy to collect and clean items out of your water locations.

Manufactured using a superior horticultural shade cloth for durable filtration to ensure all noxious weed and debris is contained while allowing water to flow through. Available in standard design configurations with closed cell floatation, 270gsm geotextile and galvanised chain ballast. Booms can be manufactured with external floats and specialised geotextiles upon request.

Packages: Assise® Weed and Rubbish Boom + Anchor Set + Tidal Riser + Install/Removal

Product	Code	Long	Skirt	Float	Chain
Assise® Weed Rubbish Boom	AMCWEE10015300	15m	300mm	100mm	6mm
Assise® Weed Rubbish Boom	AMCWEE15015300	15m	300mm	150mm	8mm
Assise® Weed Rubbish Boom	AMCWEE10010300	10m	300mm	100mm	6mm
Assise® Weed Rubbish Boom	AMCWEE15010300	10m	300mm	150mm	8mm
Assise® Weed Rubbish Boom	AMCWEECUST	CUSTOM			



Assise® BAFFLE SYSTEMS



Assise® Baffle systems offer an easy , flexible and economical way to improve efficiency and effectiveness of a pond, settling basin or any other body of quiescent water. Assise® Baffle Systems are designed and installed with the specific purpose of controlling or directing water flows for your project requirements.

Assise® Baffle Systems constructed to exact engineering requirements to generate the optimum result. Using high quality membranes, floats and other hardware, Assise® Floating Baffles are ideal for long or short term projects.

Since 2009, our systems have been installed in numerous municipal, mining and industrial scenarios around Australia.

Packages: Assise® Baffle System + Anchor Set + Install/Removal

Assise® PERMANENT BOOMS

Assise® Permanent boom systems are designed and manufactured to meet your site's specific needs. The purpose behind these systems is to provide 24/7 continuous protection from oil spills and other releases over a long period of time. Such a permanent boom reduces the resources and labour to deploy boom during vessel transfer and other port activities.

Packages include: Assise® Permanent Boom + Anchor Set + Tidal Riser



LAMOR LIGHT OIL BOOMS

RAPID RESPONSE

The Lamor Inflatable Light Oil Boom (ILB) is manufactured in high visibility orange PVC coated woven dtex 1100 polyester fabric which is resistant to oils and sunlight. Lamor ILB is available in many different sizes ranging from 750-1200mm high and 25m length as standard. Other heights and section lengths are available on request.

There are four air chambers and four high quality Monsun XG 1" air valves in each section of Lamor ILB. ASTM connectors with locking pin and spring are fitted as standard but the boom can also be specified with end connectors of the customer's choice. A galvanized chain incorporated in the base of the skirt provides ballast.

Lamor ILB can be stored on dedicated powered winders with capacity for 250m boom enabling simple deployment and recovery. Alternatively, short sections can be stored in high quality boom bags for easy access. The ILB boom can be easily deployed from the storage reel by only two operators, typically 250 m in 10 to 15 minutes. The ILB boom is easy to clean after deployment with normal detergents, and hot or cold pressure washers, or with the Lamor Boom Washing Machine.

The Lamor ILB covers the increasing demand for a cost effective boom which is fast to deploy, lightweight, robust and easy to handle in use.

Technical Information

Section length	25 m
Height	750 mm
Weight (total operational)	3.5 kg/m
Freeboard	300 mm
Draft	450 mm
Ballast weight	1 kg/m
Temperature resistance	-35... +70 °C
Base fabric dtex 1100 -	dtex 1100 -
Fabric tensile strength	4000 N/5 cm
Air chamber length	4,85 m
Fabric weight	1000 g/m ²

LAMOR HEAVY DUTY BOOMS



The Lamor Heavy Duty Oil Boom (HDB) covers the increasing demand for a boom which is specifically suited for use in open seas, harbours, semi-sheltered waters and permanent installations such as oil terminals and power plants. Lamor HDB is available in sizes varying from 900 to 2000 mm high and 50 or 100 m section lengths.

The Lamor HDB is manufactured using the highest quality components and is constructed so that 2 layers of synthetic fabric are vulcanized together with synthetic oil resistant rubber outer layers. The synthetic coated outer layer gives the Lamor HDB excellent resistance to the affects of oil and UV degradation.

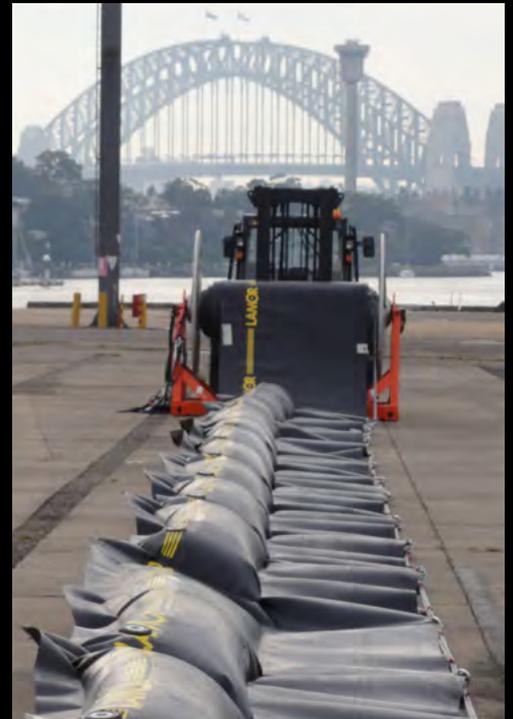
The HDB boom is equipped with vertical stiffeners (60x3 mm) vulcanized in between the fabric layers on every 3 meters.

The boom is equipped with galvanized ballast chain that guarantees correct deployment in sweeping operations and promotes sea keeping properties. the total boom weight is given including the ballast chain weight.

The Lamor HDB comes with end ASTM connectors as standard and can be supplied with towing adaptors or other standard connectors at the customer's request. The Lamor HDB is constructed using fully vulcanized and rubber welded parts without the use of any pop rivets.

On deployment the Lamor HDB sits symmetrically in the water allowing it to be maneuvered easily and face an oil slick from either side. Inflation of the Lamor HDB is quick and efficient thanks to the patented Lamor F1 air valve and use of a Lamor air blower. The aluminum F1 valve is flat in design and has an incorporated airlock. The complete use of the air valve at inflation can be done by one man without additional help.

Lamor HDB should be stored on a dedicated hydraulically powered reel, enabling deployment of up to 200m in approximately 15 minutes. Recommended boom reel for 200 m of HDB 1200: Lamor Oil Boom Reel HSR H 1815





MINIMAX 12

The Lamor MiniMax 12 is a light, portable suction-type oil skimmer, designed to recover oil from shorelines, harbors, rivers and lakes. The LMM 12 has proven its efficiency in continuous recovery operations in hundreds of oil spills, in all conditions and varying types of spilled oil.

6.1



WEIR SKIMMER 500/800

The Lamor Weir Skimmer's large-diameter, free-floating weir has the ability to follow choppy waves. Coupled with its high buoyancy-to-weight ratio and low inertial mass, this gives this new generation of weir skimmer excellent sea-keeping characteristics.

6.2



MINIMAX 30

The Lamor MiniMax 30 is a stiff-brush conveyor belt-type oil skimmer designed to recover oil and contaminated debris in fast flowing rivers, oil ponds, harbors or as an advancing side sweep skimmer.

6.3



BOW COLLECTOR

The Lamor Bow Collector is a stiff brush conveyor belt unit which effectively recovers oil and debris. Forward motion of the vessel concentrates surface oil and oily debris into the brush conveyor for separation and recovery.

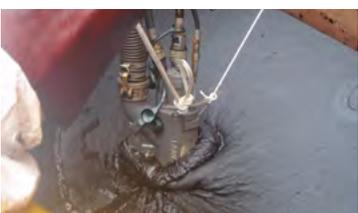
6.4



SIDE COLLECTOR

The LSC system is based upon proven stiff brush technology. It offers high performance and safety for near and offshore oil spill recovery. The LSC operates effectively at vessel speeds of up to four knots, resulting in excellent vessel maneuverability and very high oil encounter rate.

6.5



OIL TRANSFER PUMPS

Lamor has developed its own portfolio of oil transfer pumps, the GT A multi-purpose submersible Archimedes screw pumps with a capacity ranging from 20 to 140m³/h. The design ensures a gentle pumping action that will not emulsify oily water, and ensures the efficient movement of material.

6.6



HYDRAULIC POWER PACK

The Lamor Hydraulic Power Pack is a compact multi-purpose hydraulic power unit, coupled to a powerful transfer pump and mounted on a tough and portable steel double wheeled site chassis with collapsible handle allowing for easy deployment.

6.7

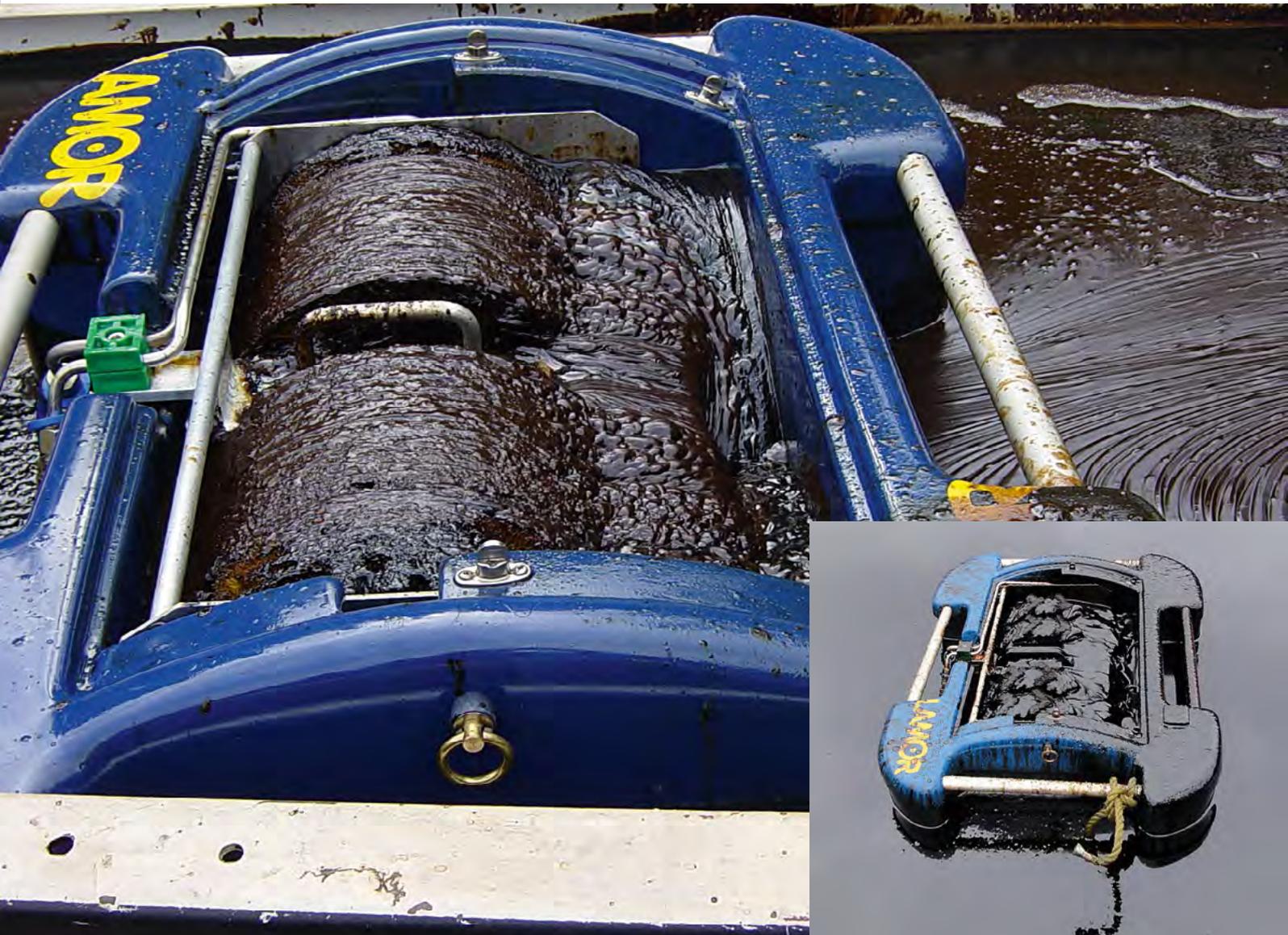


OIL RECOVERY BOAT

Lamor offer a variety of work and multi purpose oil recovery to suit your requirements.

6.8

LAMOR MINIMAX 12



The Lamor MiniMax (LMM) 12 is a light, portable suction-type oil skimmer, designed to recover oil from shorelines, harbors, rivers and lakes. The LMM 12 uses the well proven Lamor brush wheel system, which combines high oil recovery capacity with a low free water pick-up rate. The LMM 12 has proven its efficiency in continuous recovery operations in hundreds of oil spills, in all conditions and varying types of spilled oil. Moreover, its capacity is certified by Bureau Veritas.

The LMM 12, weighing only 28 kg, is a hand portable skimmer with a recovery rate of up to 19.6 m³/hr (ASTM F 631-99). The certified maximum capacity in ideal conditions is 45.4 m³/hr. The brush wheels will recover any floating oils which remain fluid.

The LMM 12 is entirely hydraulic and is supplied complete with a diesel powered hydraulic power pack and all necessary ancillary equipment. The unit should be connected to an effective suction pump or vacuum system. Optionally the power pack can be operated by electricity, gasoline or diesel.

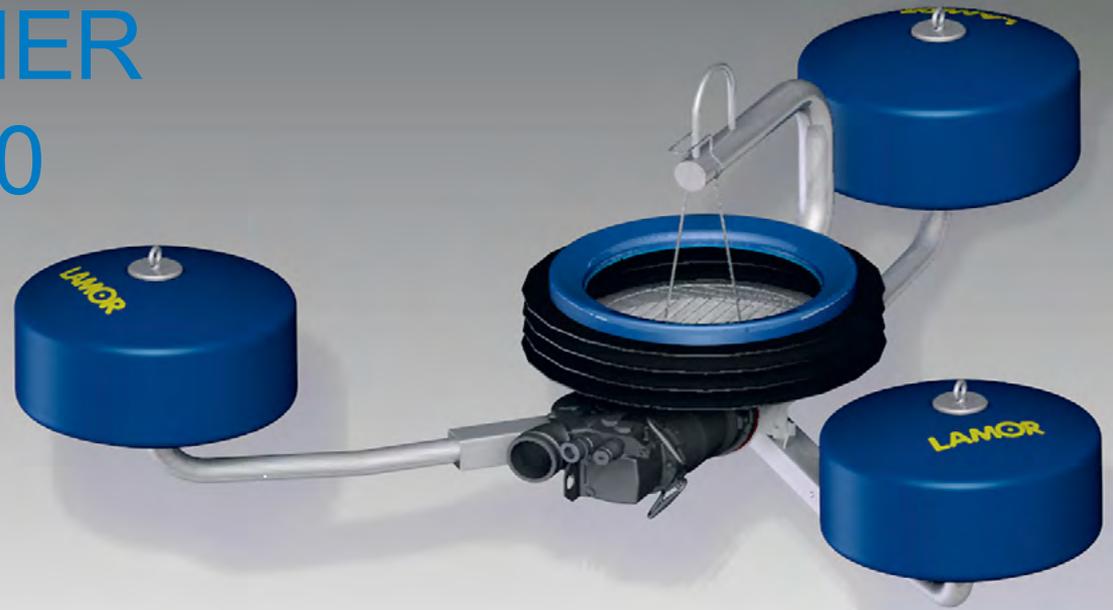
Technical Information

Long	840mm
Wide	665mm
High	370mm
Weight	28kg
Draft	120mm
Certified capacity	45,4 m ³ /h*
Free water collected	<5%
Hydraulic flow (skimmer only)	1-3l/min
Hydraulic pressure	60-100bar
Power requirement,	0.3kW

* Related to pump selection

LAMOR WEIR SKIMMER

500/800



The light-weight and self-adjusting Lamor Weir Skimmer (LWS) provide the operator with precise control of the skimming process and offers a high recovery capacity in all operating conditions.

The LWS's large-diameter, free-floating weir has the ability to follow choppy waves. Coupled with its high buoyancy-to-weight ratio and low inertial mass, this gives this new generation of weir skimmer excellent sea-keeping characteristics.

The LWS is designed to provide many years of reliable service and the hopper and float arms are manufactured using marine grade aluminum and stainless steel with three uniquely and specially designed polyethylene floats and a single central lifting point.

Technical Information

LWS	500	800
Long	2200mm	2540mm
Wide	2300mm	2530mm
High	790mm	850mm
Diameter weir	500mm	800mm
Weight	54kg	73kg
Certified capacity	70 m ³ /h*	112 m ³ /h*
Free water content	30%	30%

* Related to pump selection

LAMOR MINIMAX 30



Technical Information

Long	2400mm
Wide	1720mm
High	1400mm
Weight	180kg
Weight, with pump	230kg*
Certified capacity	53.1 m ³ /h*
Free water content	< 5%
Hydraulic flow (skimmer only)	10–15l/m
Hydraulic pressure,	60–150bar
Power requirement	4kW

* Related to pump selection

The Lamor MiniMax (LMM) 30 is a stiff-brush conveyor belt-type oil skimmer designed to recover oil and contaminated debris in fast flowing rivers, oil ponds, harbors or as an advancing side sweep skimmer. Surface water, oil and debris are drawn into the skimmer with a water suction propeller forcing oil to the brush system.

The brush conveyor recovers all oil types but is particularly effective on weathered oils, crude, high viscosity bunker oil, emulsions, and high concentrations of oily debris, while collecting almost no free water. Oil and oily debris are separated, lifted, and delivered into a debris basket and collection sump. This skimmer has a recovery efficiency of 95%.

The patented V-Brush belt combines high oil recovery capacity with low free water pick-up. It has an oil recovery rate of 30m³/hr. That said, capacity tests, conducted by Bureau Veritas, certified a recovery rate of 53.1m³/h.

LAMOR BOW COLLECTOR

The Lamor Bow Collector (LBC) is a stiff brush conveyor belt unit which effectively recovers oil and debris. The LBC operates most effectively at vessel speeds of up to four knots. Forward motion of the vessel concentrates surface oil and oily debris into the brush conveyor for separation and recovery.

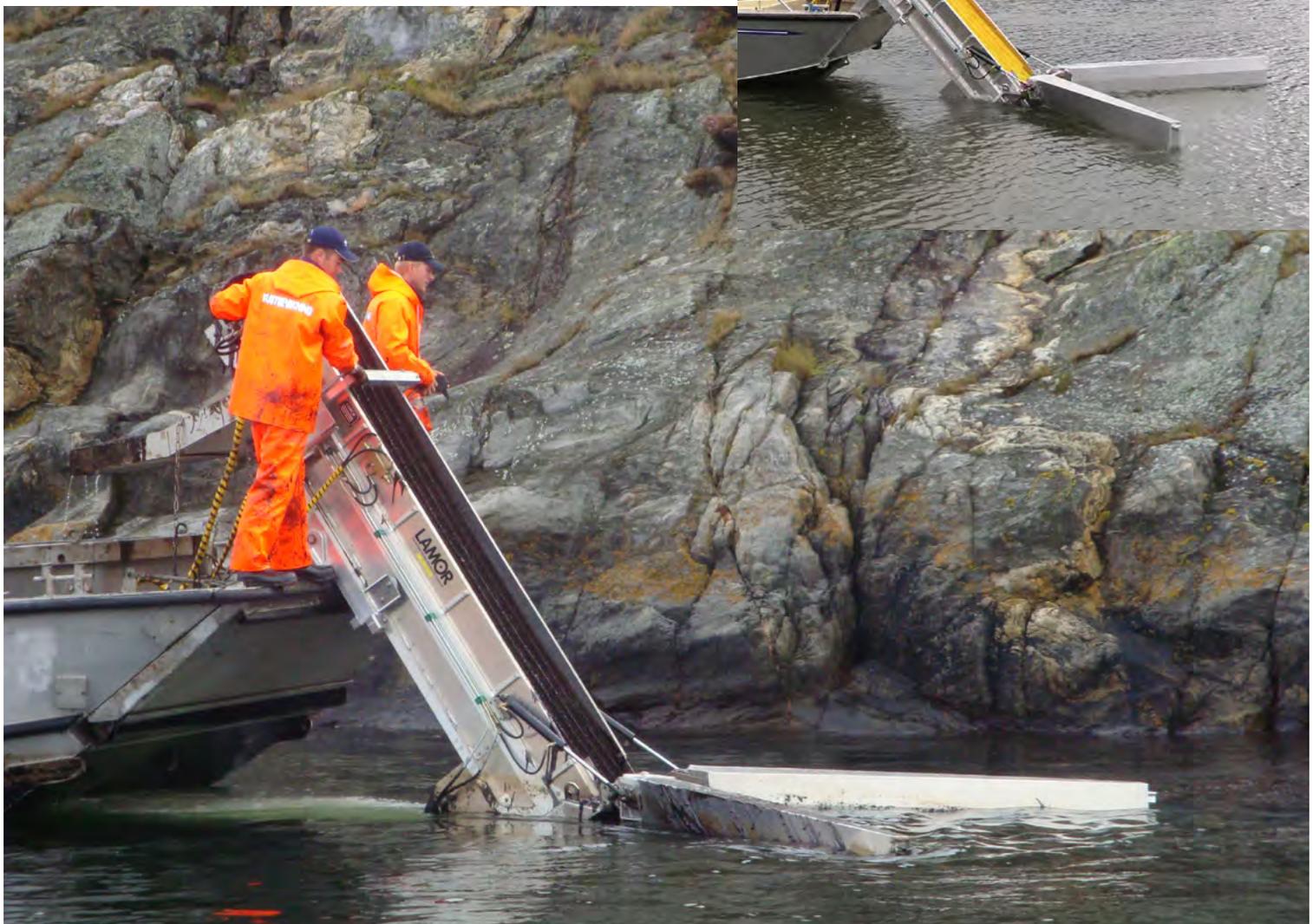
The LBC collects oils of all types and viscosities and can operate in choppy sea conditions without disrupted performance and its brush conveyor automatically separates and recovers oils, emulsions and oily debris from the water and delivers it to deck level. Recovered oil contains less than 5% free water.

The brush can be either brush chain or brush belt. The number of brushes varies from 2–6. Also length of brush conveyor varies pending the desired capacity and the size of the vessel. The skimmer module is hydraulically powered and off-loaded by a suction pump, Archimedes screw pump, a centrifugal pump or as direct flow into a basin/tank. The system can be supplied with portable power packs and can also be operated using vessel hydraulics. The skimmer has a tilt cylinder for changing between storage and operational positions.

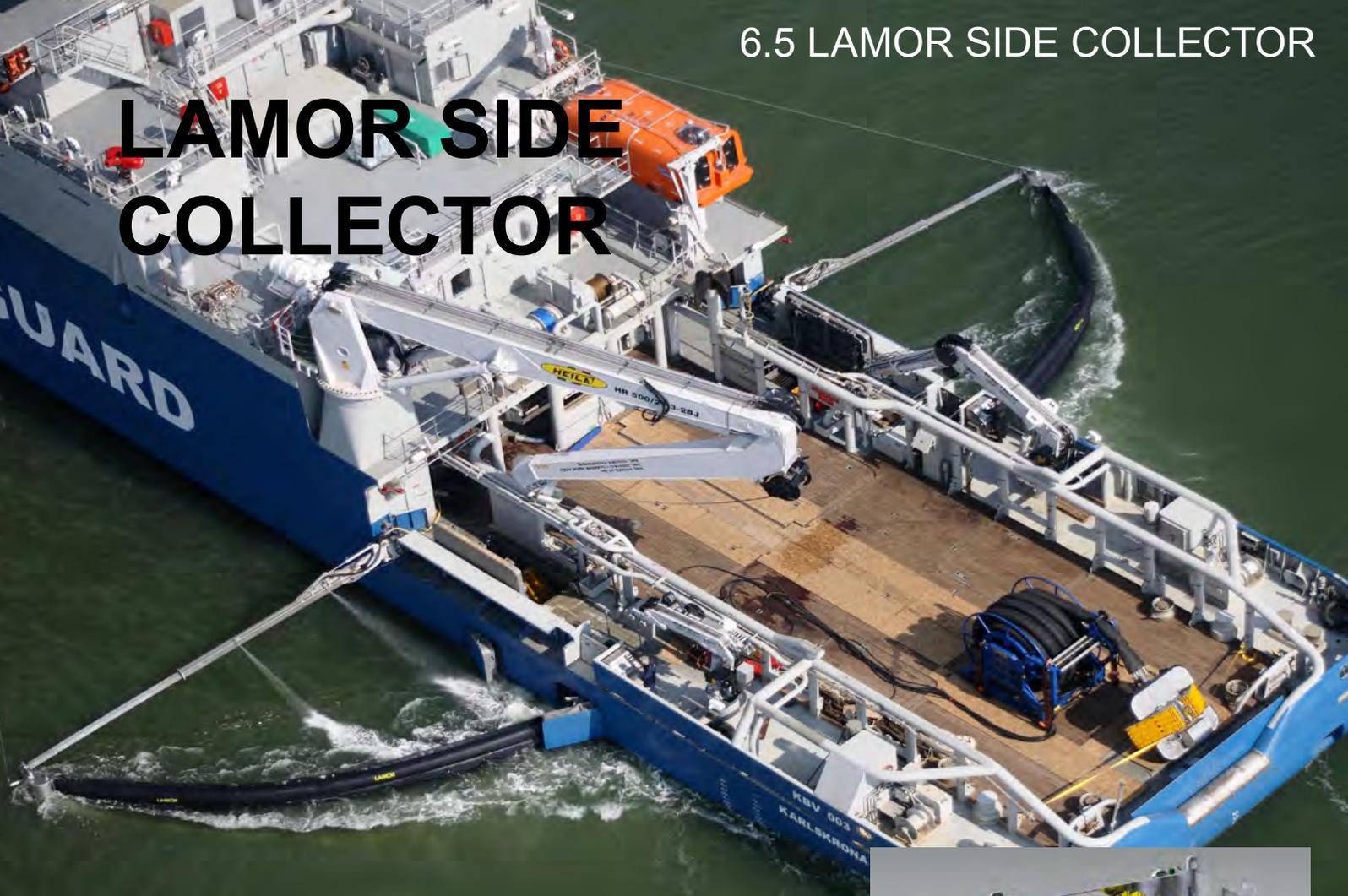
The technical specifications vary on the size of the LBC and vessel.

Technical Information

LBC	2C/3000	6B/3750
Length,	3000mm	3750mm
Width,	400mm	1010mm
Sweeping width	3300mm	3480mm
Weight,	280kg	310kg
Certified capacity	101 m ³ /h*	203 m ³ /h*
Free water content	<5%	<5%
Hydraulic flow	10–15 l/min	10–15 l/min
Hydraulic pressure,	150bar	150bar
Power requirement	3–5kW	3–5kW
* Related to pump selection		



LAMOR SIDE COLLECTOR



The Lamor Side Collector (LSC) is a vessel side mounted advancing skimming system for tug and work boats as well as for large vessels. In addition to the skimmer unit on one or two sides of the work boat, the total LSC system typically consists of automatic or manual outrigger jib arms and sweeping booms.

The LSC system is based upon the proven stiff brush technology. It offers high performance and safety for near- and offshore oil spill recovery. The LSC operates effectively at vessel speeds of up to four knots, resulting in excellent vessel maneuverability and very high oil encounter rate.

The new generation brush conveyor belt is a double acting skimming system for the LSC. The double acting brush conveyor belt can be rotated in both directions and has a double brush scraper that allows the two-way operation for all kinds of oils from light to the heaviest. Moreover, to enhance the selectivity to separate oils, the unit has an adjustable back plate to control the flow when recovering light, medium or heavy viscous oils.

The encountered oil is directed to the skimmer and scraped further to the incorporated oil transfer pump. The number of brush chains selected is based on vessel size and required capacity.

Owing to the high recovery speed, the system is able to recover the largest possible area of an expanding oil slick at sea. The deployment of the system can start skimming oil within minutes of arrival on site and be operated by a small crew requiring very little specialized training.

Detailed drawings and design of the system are tailor-made for each individual vessel for optimized efficiency, operation and safety, taking into account vessel particulars, capacity requirements and other factors.

The LSC system can be fitted in various types and sizes of vessels allowing them to serve as oil recovery units. It can be installed in new-buildings as well as in existing vessels. Please note the specifications shown here are examples for a single side system.



Technical Information

LSC	3C	5C
Long	1700/2370mm	3000–3500mm
Wide	930/880mm	ca. 1400
High	1590 / 2155mm	2800–3500mm
Weight	365/550kg	1000kg
Certified capacity	152 m ³ /h*	255 m ³ /h*
Free water content	<5%	<5%
Recovery speed	1–4 knots	1–4 knots
Hydraulic flow (skimmer only)	20–40l/min	20–40l/min
Hydraulic pressure	210bar	210bar
Power requirement	10kW	10kW

*Capacity related to pump selection

OIL TRANSFER PUMPS

GT A 20-30, GT A 50-70, GT A 115-140



Lamor has developed its own portfolio of oil transfer pumps, the GT A multi-purpose submersible Archimedes screw pumps with a capacity ranging from 20 to 140m³/h.

The design ensures a gentle pumping action that will not emulsify oily water, and ensures the efficient movement of material. In addition to being used as oil transfer pumps, the pumps are well-suited to many applications such as off loading emergency pumping of heavy crude, bitumen, and for tank cleaning, pipeline maintenance etc.

The efficiency of the GT A pumps is increased thanks to a water/steam annular injection on the inlet as standard and a debris cutting knife to handle solids such as seaweed, plastics and ropes.

The pumps are constructed from robust seawater resistant aluminum for the casings and stainless, acid proof steel internals with special seals that ensure the pump remains "dry".

The pump range has been extensively tested in the field and is certified by Bureau Veritas for its recovery capacities in oils of varying viscosities.

Technical Information

Pump model	GT A 20	GT A 30	GT A 50	GT A 70	GT A 115	GT A 140
Long	300mm	300mm	400mm	400mm	500mm	500mm
Wide	195mm	195mm	250mm	250mm	300mm	300mm
High	435mm	435mm	500mm	500mm	598mm	598mm
Weight	25kg	26kg	49kg	47kg	71kg	71kg
Capacity	20 m ³ /h	30 m ³ /h	50 m ³ /h	70 m ³ /h	115 m ³ /h	140 m ³ /h
Discharge pressure	12 bar	12 bar				
Hydraulic flow max	80 l/min	75 l/min	160 l/min	92 l/min	160 l/min	160 l/min
Hydraulic pressure max	210 bar	210 bar				

* Related to pump selection

LAMOR HYDRAULIC POWER PACK

The Lamor Hydraulic Power Pack (LPP) 6 HA/C75 is a compact multi-purpose hydraulic power unit, coupled to a powerful transfer pump. Power is provided by a single cylinder air-cooled diesel engine generating 5.4 kW @ 3600 rpm.

The LPP 6 HA/C75 is equipped with electric start as standard and manual start as back-up. The LPP 6 HA can be equipped with spark arrestor and Chalwyn safety shut down valve. The LPP6 HA/C75 comprises one hydraulic circuit capable of pumping 3 l/min at 150 bar, hydraulic flow is controlled by a valve located on the hydraulic pump body. The LPP 6 HA/C75 provides ample power for operation of the Lamor range of skimmers. Moreover, the LPP 6 HA/C75 can also be used to power the Lamor Light Boom Reel. The integral Spate C75 pump is a self-priming double diaphragm pump with a maximum capacity of 30 m³/h through 63.5 mm/2.5 inch (75 mm/3 inch option) inlet and discharge Camlock couplings. The Spate C75 can handle solids up to 6mm in size; all seals are constructed from synthetic rubber for protection against all oils encountered.

The LPP6 HA/C75 is mounted on a tough and portable steel double wheeled site chassis with collapsible handle allowing for easy deployment. If more capacity and power is required, while maintaining the same features and integral Spate C75 pump, the Hydraulic Power Pack LPP 7HA with C75 is recommended.

Technical Information

LPP	LPP 6 HA C75	LPP 7 HA C75
Length	895mm	940mm
Width	900mm	985mm
Height	730mm	780mm
Weight	130kg	150kg
Hydraulic circuits	1pcs	1pcs
Hydraulic flow	3 l/min	10 l/min
Hydraulic pressure	150bar	150bar
Power	5.4kW	7.3kW
Hydraulic oil tank capacity	3l	8l
Fuel tank capacity	5l	5l
Delivery head	30m	30m
Suction lift	9.1m	9.1m
Wheels	Yes	Yes
Automatic shut down	Optional	Optional



LAMOR OIL RECOVERY BOAT 15000

The 15 m long workboat with the built-in oil recovery system LORS on both sides handles recovery of oil and oil related products from near-shore, harbors, rivers, and channel areas while simultaneously cleaning-up small floating debris. The vessel is also ideal as a multipurpose vessel for boom deployment, dispersant spraying, and service tasks as well as a patrol boat.

The work-boat has hull mounted brush packs which enables recovered oil to be delivered directly to the recovered oil storage tanks in the mid ship without the need of using oil transfer pumps. Another advantage is that the brush conveyors are in direct connection with the oil on the water surface, which especially improves the high viscous oil and debris collection capabilities, as well as collecting of light oils. The oil transfer pumps can be separately quoted for off-loading the oil, but can also be adapted to the skimmers e.g. to pump the collected oil to floating storage tanks or to a storage barge.

The vessel is designed with a covered hull built in steel marine grade. It is an even decked, unsinkable type of vessel, where a two compartment sized wheelhouse is located in the bow.

An engine room, which is separated as a water resistant department, diesel power plant and shuttle propeller or traditional propeller propulsion installation is located in the stern.

The autonomy of the vessel with a cruising speed is two days. The unsinkable vessel is secured by dividing the

vessel with frame constructions into four water-tight compartments: fore peak, void room, tank for recovered oil and engine room. The vessel remains floating and maintains satisfactory stability during an emergency, if any compartment except for the engine room should fill up with water.

The maneuverability of the vessel is guaranteed by 300 degree turning shuttle propulsion equipment. Wheelhouse standard equipment; control panel, ergonomic pilot chair, mini pantry, shower, lockers, toilet, air condition/ defrosting system and optionally 1 – 3 beds. Hull construction drawings are based on the Nordic Boat Standard for work boats and can be surveyed for use internationally.







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