

# Oil Spill Equipment

# VIKOMA

Protecting our environment over 50 years



Containment



Recovery



Storage

# Vikoma is a world leader with over 50 years experience in the design and manufacture of reliable equipment for your oil spill requirements. You can depend on our products to work reliably when you need them and Vikoma will be there to support you through the product lifecycle.

With a range of solutions which includes containment booms, recovery systems, storage solutions and ancillary equipment together with training, installation and commissioning services, Vikoma is your one-stop solution to Oil Spill. With a network of agents and distributors around the world working with our regional sales managers, we are easy to reach and provide you with the level of service you would expect from a world leader.

Vikoma products are industry renowned for quality, durability and lifespan and we are fully accredited by Lloyds Register Quality Assurance ISO 9001:2015.

We care about our planet and are taking steps to reduce our carbon footprint and improve our environment. Working towards the circular economy, our waste is recycled and our core products are designed to be kept as long as possible through maintenance, refurbishment and servicing which we can help you with.

We have a team of experts ready to help you, whether that's at budget setting stage or if you are ready to buy equipment. Talk to us and we can help to build a package of equipment to suit your application or help you solve a problem.

### Containment Booms

Cutting edge design and high-quality materials have resulted in our oil containment booms being successfully deployed offshore, nearshore, on beaches, riverways, ports and harbours worldwide. Our booms are made from neoprene rubber or polyurethane and can be air or foam filled.

- **Neoprene rubber:** Strong, flexible and durable but lightweight for good buoyancy and easy handling. Suited to extreme weather conditions. Our most durable fabric.
- **Polyurethane:** Flexible, popular, cost effective solution suitable for many applications.



### Oil Recovery Skimmers

We offer a full range of skimmers with recovery rates ranging from 1m³ to 250m³ per hour with up to 98% oil content. Our range of recovery modules includes disc, brush and tooth disc with options for interchangeable modules to suit the viscosity of the oil being recovered. Our skimmers give you superior performance and reliability together with easy maintenance for long life. Our Komara range is industry renowned as the skimmer of choice for many and so are our star disc skimmers for medium to ultra heavy oils.



### Oil Storage

Key to a successful oil spill recovery operation is having storage for the recovered oil. We offer a range of storage tanks varying in capacity from 1m³ to 100m³. We have framed or self supporting tanks for use on land and inflatable solutions for use on water.



### Beach clean up, dispersant and sweeping systems

We offer a full range of equipment to support your clean up operations. Our high performance Mini-Vac vacuum system for easy handling beach clean up, our Fasflow combined sweeping and skimming system plus a range of dispersant spray systems. If you can't see what you are looking for then please contact us.



### Containerised and Trailer Packages

Store your oil spill equipment in convenient, custom made containers. Your equipment is kept safe and protected from the weather and can be quickly transported to a spill location or kept by dockside or onboard ready for action. ISO or DNV certification available.



This brochure provides an overview of our products and services. For more information see [www.vikoma.com](http://www.vikoma.com) or call our sales team on +44 (0)1983 200560.

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# Containment Booms

## Heavy Duty, Single Point Inflation Boom from the reel (patented technology)



Super HI Sprint

Super HI Sprint inflates from the reel end. Deployment using just one vessel and less people than other boom systems. The unique valve design, inflation and deflation systems enables easier and quicker deployment, saving time and money.

**Benefits**

- Rapid and easy deployment
- Internal bulkheads/chambers
- Strong, flexible neoprene rubber
- 300 metres of boom can be deployed in a matter of minutes
- Suitable for extreme weather

**Specification**

- Inflated height: 750 - 1500mm
- Freeboard height: 335 - 600mm
- Draft: 400 - 1100mm
- Ballast: galvanised chain
- Section lengths: 50m, 100m
- Connector: ASTM or Unicon

## Heavy Duty, Fast, Single Point Inflation Boom



HI Sprint

A heavy duty, single point inflation, offshore fast deployment boom. Manufactured from reinforced, double faced neoprene rubber. Highly durable with the lowest life cycle cost of any boom in its class.

**Benefits**

- Rapid and easy deployment
- Internal bulkheads/chambers
- Strong, flexible neoprene rubber
- 300m deployed in minutes
- Suitable for extreme weather
- Single point inflation

**Specification (a range of sizes)**

- Inflated height: 750 - 2000mm
- Freeboard height: 365 - 900mm
- Draft: 400 - 1100mm
- Ballast: galvanised chain
- Section lengths: 25m, 50m
- Connector: ASTM or Unicon

## Heavy Duty Multi Chamber Boom



Bulkhead

A high integrity boom suitable for offshore with excellent wave following characteristics for maximum oil containment. Wide range of uses from terminals to the rigours of offshore and ocean.

**Benefits**

- Rapid and easy deployment
- Internal bulkheads/chambers
- Constructed from strong, flexible neoprene rubber
- Suitable for extreme weather
- Inflate each chamber separately

**Specification (a range of sizes)**

- Inflated height: 750 - 2000mm
- Freeboard height: 350 - 900mm
- Draft: 400 - 1100mm
- Ballast: galvanised chain
- Section lengths: 25m, 50m
- Connector: ASTM or Unicon

## Beach Sealing Boom



Shoreguardian

Superb beach sealing capability for protection of beaches, marshes and intertidal zones. The stable triple tube and water ballasted design maintains continuous oil containment on land to water interfaces.

**Benefits**

- Easy deployment
- Constant oil seal between the land and water
- Strong, flexible neoprene rubber or polyurethane
- Suitable for extreme weather

**Specification**

- Ballast: water
- Section lengths: 5 - 25m
- Connector: ASTM or Unicon

## Air or Foam Filled Oil Containment Boom



Sentinel

A simple, versatile, high performance curtain boom with excellent wave following characteristics. Available in neoprene rubber or polyurethane material; both options are highly durable and resistant to UV and hydrocarbons.

**Benefits**

- Rapid and easy deployment
- Strong, flexible neoprene rubber or polyurethane
- Suitable for extreme weather
- Excellent wave following characteristics

**Specification**

- Inflated height: 400 - 1500mm
- Freeboard height: 188 - 638mm
- Draft: 187 - 876mm
- Ballast: galvanised chain or wire
- Section lengths: 5m - 50m
- Connector : ASTM or Unicon

## Light, Flexible Fence Boom



Vikoflex

Light, flexible fence boom with built-in buoyancy that can be rapidly deployed without the need for any special ancillary equipment. Manufactured from high quality materials with in-built closed cell foam sections to provide buoyancy. Easy to clean, maintain and repair.

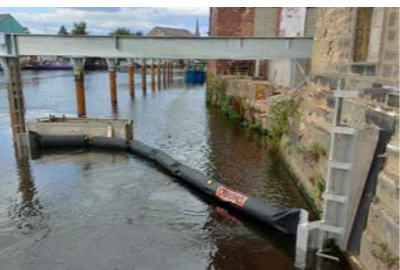
**Benefits**

- Rapid and easy deployment
- No inflation needed
- Internal closed cell foam buoyancy
- Neoprene rubber, polyurethane or PVC
- Ideal for permanent deployment

**Specification**

- Height: 350 - 1100mm
- Freeboard height: 125 - 400mm
- Draft: 225 - 710mm
- Ballast: galvanised chain
- Section lengths: 5 - 50m
- Connector: ASTM or Unicon

## Permanent Deployment Boom



Permanent

Designed for long term deployment. Durable and resistant to abrasion and marine growth. Closed cell foam buoyancy members which ensures buoyancy is maintained even if the outer material is damaged.

**Benefits**

- Easy and quick installation
- No inflation needed
- Closed cell foam buoyancy
- Strong, flexible neoprene rubber or polyurethane
- Suitable for extreme weather

**Specification**

- Height: 350 -1100mm
- Freeboard height: 150- 375mm
- Draft: 150 - 715mm
- Ballast: Galvanised chain or lead weight
- Section lengths: 5 - 25m
- Connector: ASTM or Unicon

## Robust Containment Boom



Pod

A high integrity oil containment boom with heavy duty polymer pods for permanent buoyancy. The flotation pods are filled with a closed cell foam to ensure that the boom maintains its correct flotation level even in the event of damage.

**Benefits**

- Easy deployment
- No inflation needed
- Strong, flexible materials
- Suitable for extreme weather
- Ideal for permanent deployment

**Specification**

- Height: up to 1000mm
- Section lengths: 5 - 25m
- High density polyurethane floats
- Heavy duty belting

Transfer Operations: Primary Containment

Integrated Containment and Skimming

Ship to Ship or Ship to Shore Boom Sealing System



VikoSeal

VikoSeal is a hammerhead shaped boom designed to provide a primary containment zone for oil spills during transfer operations. Using in pairs ensures maximum containment of oil. One hammerhead is positioned adjacent to the ships forward fender and one aft. Vulcanised using reinforced neoprene fabric for high abrasion, chemical and environment resistance.

Benefits

- Easy handling from ship or dockside
- No personnel at water level
- Uses ships compressed air to inflate
- Low cost, effective solution

Specification

- Various sizes to suit fender sizes

Pier Sealing Boom System



VikoSeal Pier Sealing

Our pier sealing system overcomes challenges of oil spill containment with legged piers. It is permanently installed with minimal operator input to engage after docking procedures are complete. VikoSeal is combined with foam filled neoprene boom along the length of the pier with sliders to accommodate the rise and fall of the tide.

Benefits

- Operated from quayside
- Strong abrasion resistant materials
- Permanent installation for efficient containment

Specification

- Width: to suit fender size
- Length: to suit transfer site length
- Depth: to accommodate maximum tidal range and wave size

Paravane Boom Deployment Tool



Paravane Midi

Our paravane is an effective tool for use in boom and sweep system deployments. It is versatile for use deploying Fasflo and large or small booms minimising personnel and costs. In a traditional open water boom deployment, our paravane replaces the tow boat, enabling a single vessel to deploy a boom system. In a river deployment, Paravane Mini can be used alongside personnel to manually deploy a boom system without the need for any boat. Paravane minimises personnel and reduces costs. Due to the cost saving it's ideally suited to training exercises as well as oil spill response.

Three sizes available to suit boom or Fasflo size with interchangeable conversion options. All size options are lightweight and easy to deploy and control.

Benefits

Mini

- For small to medium booms up to 750mm
- Manual deployment in rivers

Midi

- For medium booms and Fasflo Mini
- Open water deployment from boat
- Kit available to convert to Paravane Maxi

Maxi

- For Fasflo Maxi or medium to large booms
- Open water deployment
- Kit available to convert to Paravane Midi

Specification

- Marine grade aluminium
- Towing speed up to 4 knots
- Weight:
  - Mini 50kg
  - Midi 77kg
  - Maxi 112kg



Paravane Maxi

Integrated Containment and Skimming System



Weir Boom Skimmer

The biggest integrated containment and recovery system on the market designed for mass oil recovery and oil well blow-outs in rough seas. Utilises a water ballast tube to ensure a constant seal to the surface of the water. Individual vane pumps are internally built into the boom to allow simultaneous containment and recovery of spilled oil.

Benefits

- Rapid and easy deployment
- Single point inflation
- Strong, flexible neoprene rubber
- Suitable for extreme weather

Specification

- Ballast: water
- Recovery: up to 100 - 210m<sup>3</sup>/hr
- Boom length: up to 375m

Containment Boom Weir Skimmer



Vikoskim

Vikoskim is a high capacity offshore skimmer for use with containment boom systems. Flotation can be varied using a control air pump allowing height to be optimised during operation.

Benefits

- Recovers a wide range of oils
- Can be used with many boom systems
- Strong neoprene rubber
- Hydraulically driven rotary lobe pump

Specification

- Length: 4m
- Height: 150cm
- Recovery: up to 50m<sup>3</sup>/hr

Advancing Skimmer



Fasflo Mini

Advancing skimmers are designed for use in fast flowing waters as part of a sweep system alongside an oil response vessel or in rivers and streams where the flow can be channelled through the skimmer.

Fasflo Maxi has been proven as a highly efficient skimmer capable of recovering a wide range of viscosities of oil and can be operated safely in an offshore environment.

Fasflo Mini is a smaller version of the Fasflo Maxi. It's compact design and lightweight construction make it portable and easy to deploy in difficult to access environments.

The only moving part is the self-adjusting weir lip for minimal maintenance and spare part requirements.

Ideally suited for use with our paravane for easy and cost effective deployment.

Benefits

- Easy to deploy
- Sweeping or permanent deployment
- Recovery of wide range of oil viscosities
- Operates in water/current speeds up to 4 knots
- Easy and low cost maintenance due to minimal moving parts
- Very efficient weir skimmers

Specification

Mini

- Dimensions: 2.10m x 1.42m x 0.76m
- Recovery: up to 30m<sup>3</sup>/hr
- PU deflector boom

Maxi

- Dimensions: 4.00m x 2.21m x 0.96m
- Recovery: up to 75m<sup>3</sup>/hr
- Neoprene deflector boom



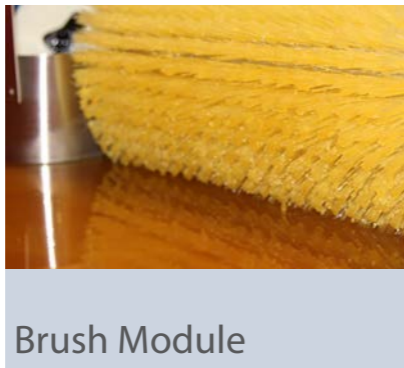
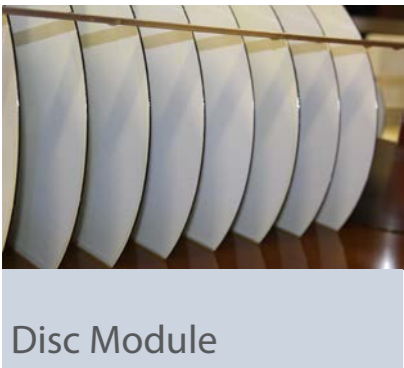
Fasflo Maxi

# Oil Recovery Skimmers- Komara Range

The Komara range of skimmers are world renowned for superior performance, reliability and versatility with many applications including offshore, lakes, beaches and mangroves, to name but a few.

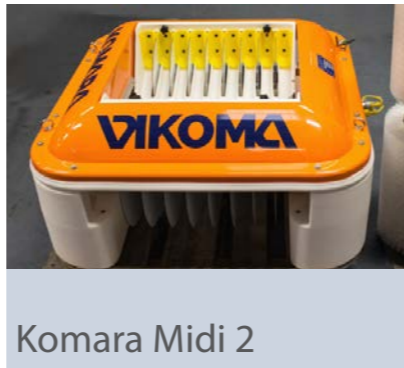
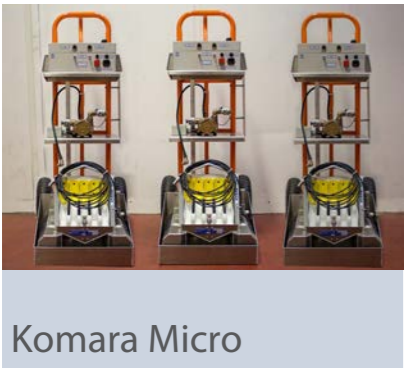
### Disc or Brush or Duplex?

Choose a disc which will recover 98% oil content for lighter to medium oil, or a brush for thicker oils. For maximum flexibility choose our Duplex option for interchangeable disc and brush modules.



### Benefits of Komara skimmers

- Smooth operation, even at low speeds
- Less than 2% water content with disc skimmers which reduce the volume of recovery minimising oil storage requirements and costs
- Easy to maintain to extend life and save money
- Option for Duplex interchangeable modules for flexibility and increased value for money
- As well as disc and brush modules, the Komara Multi also features a weir skimmer



Superior performance and reliability with easy maintenance for long life. Up to 98% oil content recovery

# Komara Skimmer Specifications

	Skimming Modules Quantity	Available with					Maximum Recovery capacity m/hr	Weight* Kg	Dimensions* L x W x H (cm)
		Disc	Brush	Weir	Duplex option	On board pump			
Komara Micro	1	✓	-	-	-	✓	4	11	48 x 48 x 47
Komara Mini	1	✓	-	-	-	-	9	19	88 x 50 x 43
Komara Midi 2	2	✓	✓	-	✓	✓	20	38	88 x 88 x 43
Komara Midi 4	4	✓	✓	-	✓	-	35	52	121 x 121 x 45
Komara Maxi	6	✓	✓	-	✓	✓	60	230	179 x 175 x 107
Komara Multi	3	✓	✓	✓	✓	✓	150	885	210 x 211 x 150
Star Disc Midi	1	✓	✓	-	✓	✓	25	118	115 x 117 x 169
Star Disc Maxi	2	✓	✓	-	✓	✓	100	437	225 x 137 x 128
Komara Seaskimmer	4	✓	-	-	-	✓	70	800	235 x 233 x 135
Komara Omni	1	✓	✓	-	✓	✓	30	235	150 x 173 x 92

\* weights and dimensions for basic disc module. Other options may vary. Recovery capacities stated are indicative and full system recovery capacities will depend on specification of the pump and other ancillary equipment connected. Please discuss your requirements with our sales team.

## Komara Midi 2 With Onboard Pump



Vikoma has upgraded its popular Komara Midi 2 skimmer with an integrated pumping system. Having one combined unit to handle and manoeuvre is much easier and quicker for operators to deploy than a skimmer with a separate pump. A positive displacement pump onboard ensures optimal pumping performance across a wide range of viscosities and eliminates problems which can arise due to suction on higher viscosities. Komara Midi 2 with on board pump is a truly comprehensive skimmer. It is available with discs, brushes or as a duplex model which can be easily configured to operate with discs or as a brush skimmer.

### Benefits

- Easier and quicker to deploy than a separate skimmer and pump
- Easier to maintain
- Highly efficient pumping system across a range of viscosities
- Interchangeable discs and brushes
- Smaller footprint reducing transportation costs
- Lower volume of materials consumed in manufacture so reducing environmental impact

### Specification

- Length: 88cm
- Width: 88cm
- Height: 46cm
- Weight: 47kg
- Up to 98% oil content, 2% water



## Heavy Duty Disc Skimmer



Komara Seaskimmer

Our most robust skimmer suited to offshore and coastal usage. A high capacity disc skimmer with on-board discharge pump recovering up to 70 tonnes of oil per hour and just 2% water content for cost effective storage.

### Benefits

- High capacity oil recovery
- Strong and robust
- Marine grade aluminium
- On-board discharge pump

### Specification

- Length: 235cm
- Width: 233cm
- Height: 135cm
- Recovery: 70m³/hr
- Up to 98% oil content , 2% water

Recovery capacities stated are indicative and full system recovery capacities will depend on specification of the pump and other ancillary equipment connected.

# Star Disc, Brush and Weir Skimmers

## Star Disc and Brush Skimmer (medium to heavy oil)



Star Disc Midi

A self-contained oil recovery system for recovering medium to ultra heavy oils. Aluminium construction. Removeable pump and recovery bank for portability.

**Benefits**

- Interchangeable disc/brush modules
- Brush recovers lighter oils
- Integral buoyancy, fenders and robust design
- Effective even when surrounded by large debris

**Specification**

- Length: 115cm
- Width: 117cm
- Height: 169cm
- Recovery: 25m<sup>3</sup>/hr
- Up to 98% oil content, 2% water

## Star Disc and Brush Skimmer (medium to heavy oil)



Star Disc Maxi

An oil recovery skimmer designed for recovering high volumes of medium to ultra heavy oils. The twin modules recover high viscosity oil making it ideal for large offshore spills. Fenders make it suitable for the most challenging conditions.

**Benefits**

- Interchangeable twin disc/brush modules
- Brush recovers lighter oils
- On board pump to transfer the heaviest of oils
- Effective even when surrounded by large debris

**Specification**

- Length: 225cm
- Width: 137cm
- Height: 128cm
- Recovery: 100m<sup>3</sup>/hr
- Up to 98% oil content, 2% water

## Compact and Medium Capacity Weir Skimmers



Dragonfly & Minifly

Floating weir skimmer designed for the recovery of floating pollutants for use in open environments.

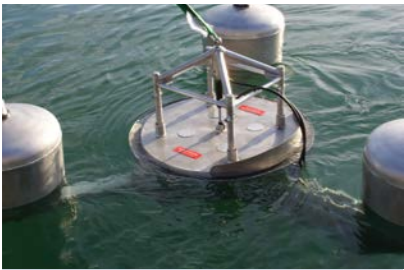
**Benefits**

- Four buoyancy chambers can be ballasted to match the specific gravity of the fluid within the tank
- Lightweight
- Compact for ease of installation
- For use with a variety of pumps
- Wide range of oil viscosities

**Specification**

- Micro, Midi and Maxi models available
- Recovery: 15m<sup>3</sup>/hr
- 316 stainless steel or super duplex

## High Capacity Weir Skimmer



Cascade

Cascade is a high capacity, hydraulically adjustable weir skimmer designed to be particularly effective in large oil spills where a high oil recovery rate is required.

**Benefits**

- Can tow at up to 2 knots
- Wide range of oil viscosities
- Hinged arms for easy transportation and storage
- High oil recovery

**Specification**

- Diameter: 314cm
- Height: to 144cm
- Recovery: 150m<sup>3</sup>/hr
- Weight: 360 Kg

Recovery capacities stated are indicative and full system recovery capacities will depend on specification of the pump and other ancillary equipment connected.

# Low Sulphur Fuel Oil Recovery

The maritime industry is shifting towards Low Sulphur Fuel Oils (LSFO). This includes Very Low Sulphur Fuel Oils and Ultra Low Sulphur Fuel Oils. While these fuels offer environmental benefits, they present challenges when spilled into the marine environment.

The characteristics of these oils is different to traditional oils and different technology is therefore required when selecting a skimmer to recover LSFO.

## Komara Omni



Komara Omni has been developed in response to the changing needs of LSFOs where traditional oil recovery skimmers are not effective. Vikoma was selected to join the IMAROS2 project through which Komara Omni has undergone thorough trials to recover a range of low to ultra-low sulphur fuel oils with an impressive recovery performance.

Unique technology has been developed to optimise the skimmer performance and efficiency.

It has a unique power tilt designed to enable the height of the brush to be adjusted to suit the oil.

It also has a very manoeuvrable thruster system giving the operator easy control to position the skimmer for optimal recovery of the oil. This is essential for the recovery of these new generation oils which have different characteristics to traditional oils.

It's unique V Brush recovers LSFOs with very low free water pick up.

For ultimate flexibility and to provide a cost-effective solution to recovery of traditional oils as well as the LSFO's, Komara Omni can be supplied with a complete range of interchangeable recovery modules which includes discs, star discs and regular brushes for recovery of traditional oils.

**Benefits**

- LSFO recovery
- Traditional oil recovery
- Interchangeable recovery modules
- Unique power tilt
- Easy positioning with thrusters

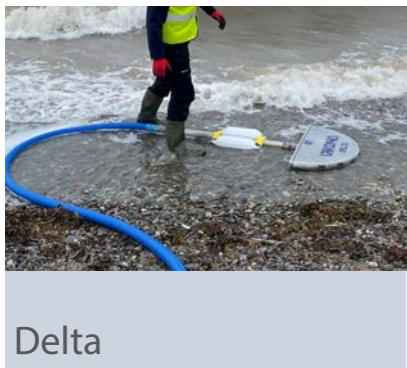
**Specification**

- Length: 150cm
- Width: 173cm
- Height: 92cm
- Recovery Up to 98% oil content, 2% water



# Alternative Skimming Solutions

## Free Floating, Shallow Water Skimmer



The Delta skimmer is a self-contained free floating oil recovery system for operation in shallow waters. Lightweight construction makes it particularly valuable around piers, jetties, lakes, ponds, ports, rivers and inland waters as well as for beach clean-up.

### Benefits

- Can be deployed in inaccessible areas
- Lightweight aluminium
- Can be used by a single, unskilled operator
- No moving parts and is therefore maintenance free

### Specification

- Length: 158cm
- Width: 88cm
- Height: 9cm
- Recovery rate: 24m<sup>3</sup>/hr

## Mop Skimmer



Effectively removes surface hydro-carbons from an oil/water interface. Occasional use or continuous operation. Interchangeable mops to suit recovered oil viscosity. Ideally suited to oil recovery in difficult to reach areas and those areas inaccessible for larger skimmers.

### Benefits

- High oil recovery rate
- Option for use in hazardous areas
- Long term continuous operation
- Easy to maintain, install and operate
- Suitable for most oil types
- Can be used in deep pits and boreholes

- Not affected by debris
- Mobile units for emergency spill response
- Suitable for all environments
- Mop length and size to suit

## Oil, Debris and Plastics Collection



A versatile, high integrity trawl net for recovery of floating contaminated waste, semi submerged oil (tar balls) or other floaters such as plastics. Can collect emulsified, weathered oil as well as contaminated debris. A unique patented filtration and collection system.

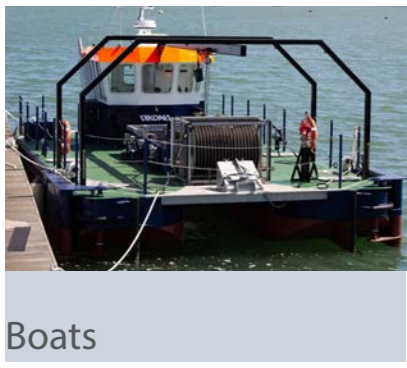
### Benefits

- Net that can be towed empty or full behind a vessel in offshore conditions
- Easy to deploy, operate, fill, empty, clean and recover
- Detachable net which is quick and easy to change mid operation

### Specification

- 2 - 8m<sup>3</sup> capacity
- Neoprene rubber or PVC boom

## Multi-Purpose Work Boats



Vikoma offer a range of multi-purpose workboats ideally suited for oil spill response operations as well as other port and harbour activities.

### Benefits

- Oil spill clean-up
- Buoy laying
- Rope running
- Debris collection
- Port and harbour duties
- Stable working platform
- High payload capability

### Specification

- Length: 5 - 20m
- Type: mono hull, catamaran
- Engines: inboard, outboard, variety of engine types available
- Speed: 6 - 20+ Knots
- Material: steel/aluminium
- Various certified designs available

Recovery capacities stated are indicative and full system recovery capacities will depend on specification of the pump and other ancillary equipment connected.

# Container and Trailer Packages

## Customised solutions to meet your needs, protect equipment from weather and easy transportation



Store all your oil spill equipment in convenient, custom made containers. These containers keep equipment safe and protected from the weather and can quickly be transported to spill locations or kept on the dockside or ship ready for action. When containers are stored on a vessel it is important to consider how you will access the equipment. We can provide custom made storage and handling solutions to allow for safe and easy access to equipment. Containers packages to meet Tier One oil spill response are also available.

### Benefits

- Compact custom designs
- Preserves working life of equipment
- Include company branding

### Specification

- ISO or DNV certification available
- CSC plating and certification



## Oil Recovery Skimmer Package



A complete packaged oil spill recovery solution. Easily portable and will recover oil with a broad range of viscosities for fast reaction to spills in remote or difficult locations. Ideal for beaches, harbours, small rivers and cross-country pipeline spills.

### Benefits

- Used worldwide by emergency response organisations
- Interchangeable products for quick deployment
- All products are man-portable (complying with European lifting recommendations)

### Specification

- Length: 252cm
- Width: 126cm
- Height: 147cm
- Recovery: up to 24m<sup>3</sup>/hr

# Tanks and Storage

## Self Supporting Storage Tank



Vikotank

A self-supporting open top storage tank. Constructed with a collar to support the entry lip and to ease filling.

**Benefits**

- Easy to use
- Tank takes shape as it is filled
- Suitable to most climatic conditions
- Very stable configuration even in high winds
- Lightweight and easily transportable

**Specification**

- Width: 220 - 431cm
- Height: 110 - 155cm
- Capacity: 15m<sup>3</sup>
- Neoprene rubber or polyurethane

## Self Supporting, Enclosed Tank



Pillow Tank

Portable, easy to transport for use in most conditions for storing a range of oils or other liquids.

**Benefits**

- Heavy duty material
- Twin fill discharge points
- Easily accessible fill/discharge points
- No assembly tools required
- Stable in winds

**Specification**

- Length: 950cm
- Width: 230cm
- Height: 50cm
- Capacity: 10m<sup>3</sup>
- Neoprene rubber

## Framed Storage Tank



Star Tank and PVC Tank

A range of tanks which are quick and easy to erect at remote sites. Robust and compact when stowed for easy transportation.

**Benefits**

- Easy to erect framework with no tools
- Assembly time is less than 10 minutes
- Suitable to most climatic conditions
- Stable frame offers resistance to winds or adverse weather conditions
- Optional discharge valve for easy draining

**Specification**

- 10m<sup>3</sup> Star Tank, marine grade aluminium frame in neoprene or polyurethane
- Steel frame tank in strong PVC in a range of sizes

## Decontamination or Storage Tank



Decontamination Tank

Compact, lightweight, portable, framed tank with a protective cover for storage.

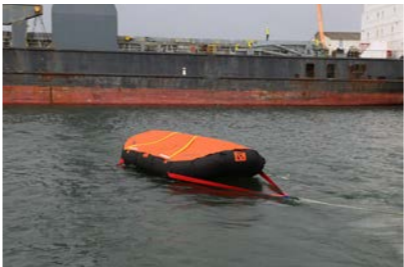
**Benefits**

- Compact
- Lightweight
- Portable
- Simple to use and fast to erect
- Multiple uses

**Specification**

- Length: 208cm
- Width: 208cm
- Height: 56cm
- Capacity: 1.5m<sup>3</sup>
- Polyurethane

## Floating Barge Storage Tank



FROST

A towable floating storage tank with a hull shaped storage pocket for temporary storage of recovered oil or water. The structure has internal airtight conical bulkheads for increased integrity. The tank is boat shaped with raised bow and stern for good stability under tow.

**Benefits**

- Fabric offers excellent abrasion resistance and longevity
- Independent inflation chambers
- Strong, flexible neoprene rubber
- Optional vulcanised base for increased strength

**Specification**

- Length: 600 - 1515cm
- Width: 200 - 535cm
- Height: 85 - 97cm
- Draft: 55 - 225cm
- Capacity: 5 - 100m<sup>3</sup>

## Towable, Flexible Floating Storage Tank



Flexible Floating Storage Tanks

Use as floating reservoirs on water or on dry land for storage of recovered oil or water.

**Benefits**

- For storage at sea or on land
- Fitted with inlet and outlet valves
- Fitted with pressure relief safety valve

**Specification**

- Capacity: 5, 12.5, 25, 50m<sup>3</sup>
- Neoprene rubber or polyurethane

## Decontamination or Roll Over Tanks



Decontamination or Roll Over Tanks

A multi purpose tank with inflation/deflation valves at each end and lifting handles to allow the inflated tank to be manoeuvred into position.

**Benefits**

- Fast and easy to inflate
- Simple to install in a rollover situation
- Durable material providing strong abrasion resistance
- Can be used for boom cleaning

**Specification**

- Length: 1000cm
- Width: 200cm
- Height: 41cm
- Capacity: 4.7m<sup>3</sup>
- Neoprene rubber or polyurethane

## Oil Absorbents



Oil Absorbents

Absorbents offer a quick and easy method for containing and removing small quantities of oil from a spill zone. Manufactured from oleophilic materials, they absorb any oil they come into contact with. This oil is held within the absorbent until they are removed for disposal. We offer a range of kits so please talk to us about your requirements.

**Benefits**

- Simple and easy to use
- Portable
- Contains and recovers

**Specification Types**

- Booms
- Pillows
- Pads
- Particulate
- Socks
- Pom Poms

# Dispersant Systems

## Dispersant System for Helicopters



Suspends under a helicopter. Comprises a dispersant hopper, pump, spray arms, sling assembly, spreader bar and control module. Flying speed up to 85 knots during operation (120 knots in transit). Innovative design with excellent stability during flight.

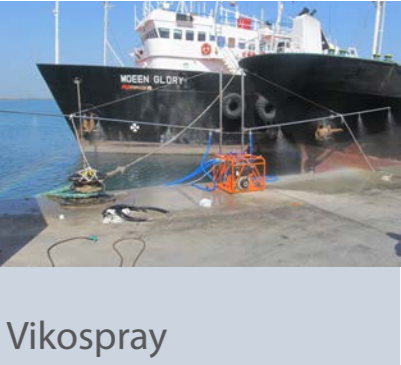
### Benefits

- No modifications to the helicopter
- Operation from within aircraft
- 5 minute set up for rapid response
- Adjustable spray width
- In an emergency, release cargo hook
- Auto shut-off when hopper is empty

### Specification

- Width rigged: 910cm
- Height: 110cm
- Capacity: 910L

## Dispersant Spray System for Vessels



Spray units for use on response vessels and vessels of opportunity. The system comprises a diesel engine, a self-priming main pump and chemical pump, a manifold and either spray arms or individual spray lances. Options for mounting on a frame, ship's rail or hand held.

### Benefits

- For use with concentrated or diluted dispersants
- The arms can easily be detached or swung through 90° for storage
- Easy monitoring of and control of flow rates and dilution of the dispersant

### Specification

- Total width: 12 - 12m
- Hand lance with hose
- Height: 80 - 240cm
- Capacity: 910L
- Output up to 150L/minute

## Portable Backpack Dispersant Spray System



An operator-friendly backpack oil dispersant spray unit for use on beaches and intertidal zones. The sprayer complies with international safety standards with emphasis on operator comfort and safety.

### Benefits

- Portable
- Easy to use
- Non-corroding material
- No opening below the fluid line
- Serviced without the use of tools

### Specifications

- Tank size: 15L or 20L
- Max pressure: 3 Bar
- Hose length: 1.36m
- Lance length: 50cm

## VikoKits



VikoKits have been expertly constructed to meet a wide range of spill applications, giving you a one stop shop for oil spill response consumables. All of our VikoKits have been designed to pack into storage containers which are small enough to be loaded and transported by a 4 x 4 vehicle. Examples of VikoKits available are:

- General Oil Spill Response Health and Safety VikoKit
- Personnel Decontamination VikoKit
- Ports and Harbours Response VikoKit
- Small/Large Shoreline Cleanup VikoKit
- Pipeline Response VikoKit
- Wind Farm Response VikoKit

# Pumps and Powerpacks

## Floating Pumps



A lightweight, compact floating transfer pump unit that has been designed for easy one person transportation. A hydraulic motor driving a robust and easy to maintain flexible impeller pump via a non-slip toothed drive belt. The hydraulic input and return to the motor is fitted with quick release couplings and the pump is fitted with camlock couplings.

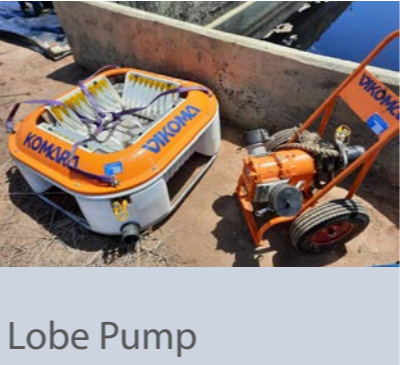
### Benefits

- Lightweight and compact
- Easy to use and transport
- Protective frame to aid handling
- Static or floating

### Specification

- Capacity: to 15m³/hr

## Portable Pumps



A positive displacement, self-priming rotary lobe pump, able to pump normal and high viscosity fluids. The pump is mounted in a two-wheeled hand truck for easy portability.

### Benefits

- Easy to manoeuvre
- Can run dry
- Solid handling up to 25mm
- Easy to service and maintain
- Good suction characteristics

### Specification

- Nitrile rubber lobe- other materials available on request
- Capacity: to 60m³/hr

## Floating Sludge Pump



Designed to pump viscous and aggressive hydrocarbons, liquids and sludge. Applications include waste oil pits, sludge pits and drill cutting pits. The free floating unit can be deployed into an open pit or tank.

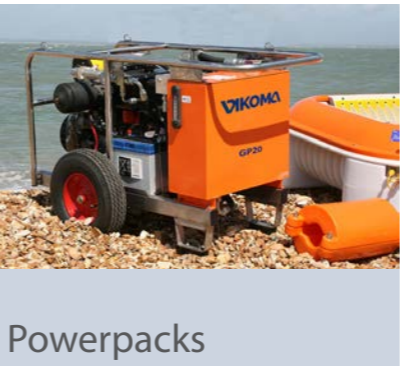
### Benefits

- Steam cage heats the oil/ sludge around pump to reduce viscosity and aid pumping
- Removable floats for easy transportation
- Certified single point lift allowing easy, safe deployment and recovery

### Specification

- Progressive cavity positive displacement pump
- Pumps liquids to 1,000,000 CST
- Capacity: to 12m³/hr
- Hazardous areas classification

## Powerpacks



Vikoma designs and manufactures a wide range of powerpacks for use with its own oil spill response equipment or with other manufacturers equipment. A standard range with bespoke solutions available.

### Benefits

- Auto shut-down option for abnormalities such as high engine temperature and hydraulic oil level and temperature sensor
- Fitted with over speed protection devices and exhaust spark arrestors.

### Specification Type

- Diesel-hydraulic or electro-hydraulic
- Power: 1- 100KW
- Intrinsically safe, zoned and ATEX design options

# Ancillaries

## Portable Beach and Land Cleaning Vacuum System



Mini-Vac System

A market leading operator friendly vacuum recovery system. It is portable, enabling operators to reach isolated and difficult to access areas. Disassembles for easy carrying to location, easy to re-assemble.

### Benefits

- Lightweight construction for two person lift
- Compact design, quick and easy assembly
- Ideal for remote and inaccessible areas
- Easy to store and transport
- Unique modular system

### Specification

- 24m<sup>3</sup>/hr recovery

## Temporary Pipeline Systems



Mini Pipeline

The mini pipeline system is able to transfer oil over distances of up to 1.3km. It consists of a diesel powered transfer pump, open top storage tanks, and lengths of galvanised steel pipe plus interconnecting jumper hoses and valves. Performance is dependant on oil viscosity. System contents can be housed in a 10ft ISO container for storage/transport. Steel pipe is supplied separately in a 20ft ISO container.

### Benefits

- Versatile system to transport over difficult terrain
- Modular system
- Easy to construct

### Specification

- Distance: up to 1.3km
- Tank material: neoprene or polyurethane
- Pumping to 40m<sup>3</sup>/hr

## Containment Boom Reels



Reels

The Vikoma range of reels are for the deployment, recovery and storgae of oil containment booms. They can be driven by an optional integral diesel/hydraulic powerpack, and fitted with fork lift pockets and ISO blocks.

### Benefits

- Marine paint system
- Optional fork lifting pockets or lifting points integrated in the reel base frame
- Lever operated control valve, allowing precise and smooth operation
- Hydraulically operated

### Specification

- Mild steel painted to marine grade specificatio

# IMO Training Courses - Levels 1,2 & 3



Eash level of the course is delivered complete with Course Director's manual, Participant Manual, PowerPoint presentations for each module aligned to the lessons and manuals and MAsTer of the Courses Certificate.

### IMO Courses

- OPRC Level 1 - First Responder
- OPRC Level 2 - Supervisor/On-Scene Commander
- OPRC Level 3 - Administration and Senior Managers

In addition to IMO accredited training we also offer a full range of training for servicing and equipment maintenance, product training for operators and deployments.

# Services and Support

## Commissioning and Operator Training



An experienced team of engineers are available for commissioning oil spill response equipment. Services include:

- Equipment inspection
- Equipment set up and installation
- Pre start checks
- Safety
- Equipment training

Correct commissioning ensures that operators are fully trained in the safe use of equipment and are aware of essential maintenance requirements. Equipment is then ready to respond in the event of an oil spill.

## Client Handover and Maintenance Training



### Client Handover Training

- Pre run checks and equipment preparation
- Safety checks and PPE
- Start up and use of controls
- Emergency shutdown
- Operation deployment and recovery
- Storage and preservation

### Operator Field Training

- Equipment storage review
- Condition of equipment
- Start-up functional testing
- Deployment and recovery exercise
- Evaluate contingency plan
- Operator maintenance

## Spares and Support



Many of our products are supported for 10 years with a full range of comprehensive spares kits available for emergency use as well as regular servicing. Products have unique serial numbers for full traceability. We recommend purchasing appropriate spares when buying equipment for efficiency but you can contact us at any stage of your product life and we will be pleased to help you. With on-going technical support and an extensive stock of spare parts and kits for both preventative and corrective maintenance, spares can be shipped quickly to site, ensuring minimum down time for equipment.

## Repairs and Refurbishment



We offer a full repair and refurbishment service to prolong the life of your product and keep costs down. As well as cost advantages this can be an environmentally friendly solution keeping your carbon footprint down. With a full range of in-house production capabilities, we can service and refurbish booms, skimmers, reels and powerpacks and this can reduce lead times compared to buying a new product on a lead time.

Our customers have been delighted with the service offered and quality of refurbished products.

## Maintenance and Servicing



Regular servicing and maintenance of equipment is key to prolonging it's life and ensuring it works first time, when you need it to. Equipment can be returned to our factory for maintenance and servicing, or we can provide these services at your site. Our experienced team of servicing and commissioning engineers are qualified for offshore, confined spaces and working at height. They can also train your team in maintenance activities.

We will help you to support a move towards a circular economy and keep equipment in use for as long as possible.





Protecting our environment over 50 years



Providing reliable and innovative oil recovery and environmental solutions designed and manufactured by our experienced in-house team for over 50 years

We are proud to have an experienced and qualified team of employees. With a strong and experienced board of directors and a multi-disciplined management team, Vikoma continues to be a world leading company committed to delivering quality, reliability and innovation.

Our in-house team has many years of experience in systems for hazardous areas and offer solutions to meet end user needs with required certification. We are confident that we have the flexibility and experience required to meet the technical specification of any end user.

Full ISO 9001:2015 accreditation for design, manufacture, installation, commissioning and training.

For more information please contact us on +44 (0)1983 200560 or [sales@vikoma.com](mailto:sales@vikoma.com) or see our website.



Containment



Recovery



Storage

Issue 4 040424

We have an ongoing development program and reserve the right to amend the specification of our products without prior notice. All quoted specifications are approximate.



[www.vikoma.com](http://www.vikoma.com)

t: +44 (0)1983 200560

e: [sales@vikoma.com](mailto:sales@vikoma.com)

Vikoma International Ltd, Kingston Road, East Cowes, Isle of Wight, PO32 6JS

Registration No: 3015615