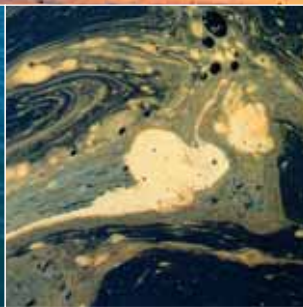
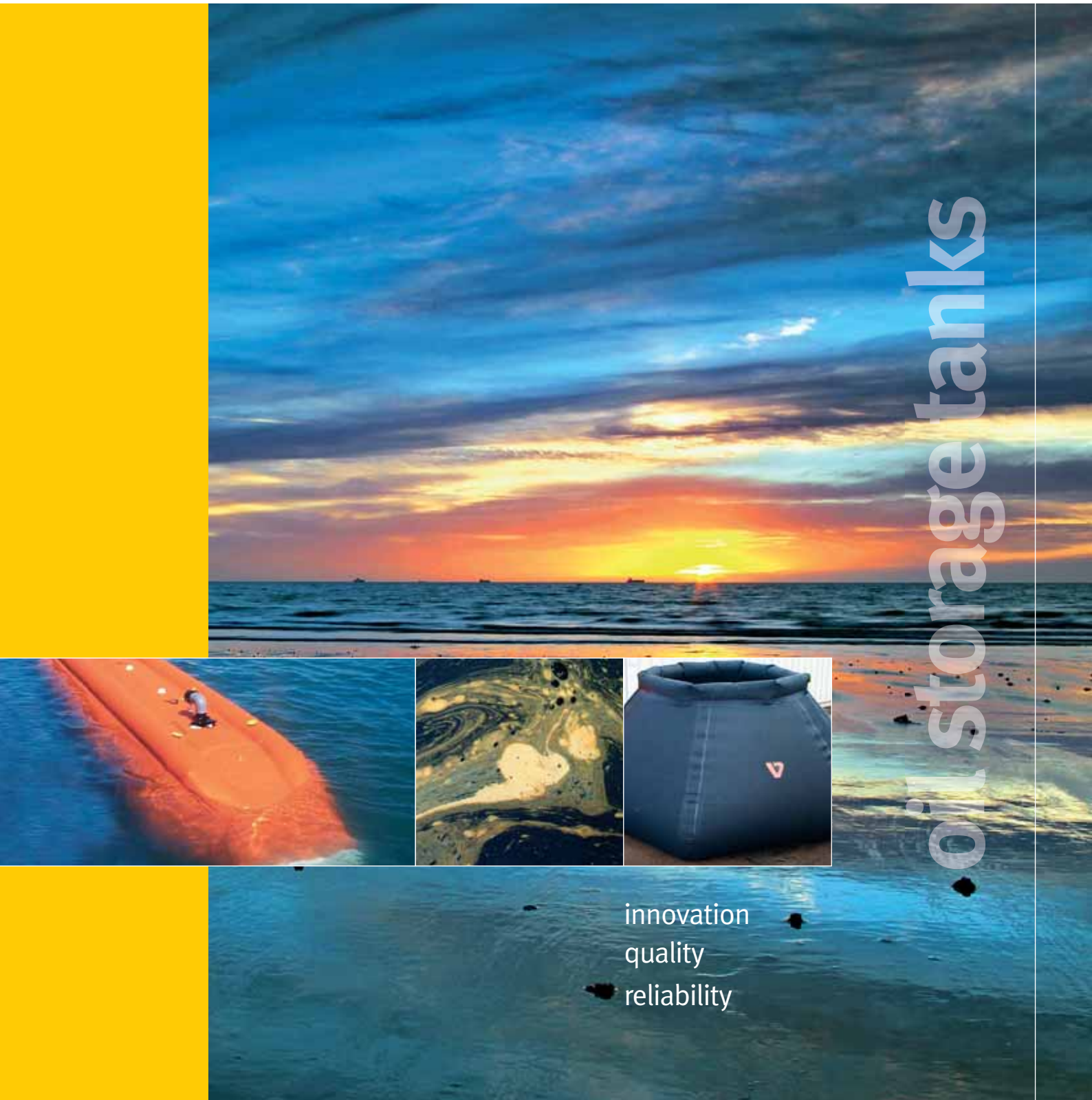




oil storage tanks



innovation
quality
reliability

oil storage tanks

technology for a cleaner environment



Vikoma is the world leader in the design and manufacture of oil spill response equipment which has been helping to protect our environment for over 40 years.

Our ethos is one of

innovation
quality
reliability

Vikoma designs and manufactures some of the best known and best performing oil containment booms, skimmers, tanks, powerpacks and vessels for oil pollution control in marine, inland and industrial situations.

Our equipment has been proven in the most extreme conditions and major spill situations, and is trusted by the biggest names in the industry.

innovation

Vikoma has a long pedigree in the oil response sector. Originally set up by BP in 1967, in response to the infamous Torrey Canyon disaster, we have been innovating ever since.

Our highly knowledgeable and experienced engineering design team have developed products which have set the benchmark for performance around the world. We undertake a continuous programme of product development to improve efficiency and reliability.

Just as importantly, we are continually developing solutions to improve safety. New designs and modifications make equipment easier to deploy with fewer people, to ensure safe deployment of equipment in a spill situation.

quality

We are proud of our reputation for quality and hold ISO 9001 across our entire range of operations including design, manufacture, sales and installation processes.

Our in-house manufacturing facility allows us to maintain exceptional quality, and by having our design engineers in the same place as our production team we are able to create and manufacture bespoke solutions for you.

Stringent production testing processes give you the assurance that our products are built to the highest quality standards.

reliability

Vikoma takes pride in producing equipment which has an exceptional life span. By using top quality durable materials and components, Vikoma's equipment offers excellent value for money and reliable performance for many years.

Vikoma is part of the Energy Environmental Group, based in Aberdeen. The group comprises of companies providing a range of environmental services to the oil industry.



Storage Solutions

The three main elements of oil spill response are:

- containment
- recovery
- storage

During an oil spill clean up operation, it is essential to store large volumes of recovered waste materials.

The effective storage of recovered materials is logistically one of the most difficult elements and can cause major bottlenecks in the recovery process.

Vikoma follows a principle of providing the most effective solution for each element of the process in terms of operation, time and cost.

All of our oil spill response equipment is designed to work together effectively as a system, with each element enhancing the others.

For example, our booms are designed to maximise effectiveness and minimise oil loss, our skimmers are designed to pick up the minimum amount of free water - which in turn reduces the volume of storage required.



Vikoma storage solutions are designed for the best use of space, for fast easy operation and for efficient transportation, to minimise operational delays and maximise storage capacity.



Stable Robust Design and Construction

Vikoma has refined the design and construction of our tanks to ensure they provide stable, secure storage solutions and provide added design features to aid clean up and separation.

For example, the VikoTank has an integral ball valve at the base of the tank which allows any excess water to be drawn off from beneath the collected oil and allows the tank to be easily drained after use. The Star Tank can also be supplied with a ball valve.

Materials & Fabrics

All of Vikoma's tanks are designed to make them durable and easy to clean. They are constructed from high quality fabrics with strong seams, to ensure they can safely store large quantities of recovered oils. Tanks can be constructed in flexible neoprene with our unique vulcanised seams to provide a highly durable storage solution or in our high quality polyurethane (PU) coated fabric with RF welded seams, for reliability and durability.



Recommended Applications

The type of storage will depend on the location of the clean up.

Vikoma can offer a range of floating, inflatable and self supporting storage solutions to meet your needs.

Beach and Inland Spills

Flexible open topped tanks such as the VikoTank and StarTank are ideal during beach or inland spill situations. They are light and easy to transport to the scene, and quick to deploy on site.

Coastal and Offshore Spills

Floating tanks provide secure storage without taking up valuable onboard storage space. The floating tanks can be filled and shuttled back to shore or to a larger storage vessel for emptying and returned to the scene.

Flexible open topped floating tanks, such as the Inflatable Oil Storage Barge and FR50 are ideal for storing all types of oils at sea. They are easy to tow and quick to empty.

Completely enclosed units like Vikoma's Flexible Floating Storage Tank are ideal for storing all types of oil at sea as there is no risk of spillage due to waves rocking the tank.



operating scenario	storage system	capacity
Offshore, coastal	Inflatable Oil Storage Barge	25t - 100t
Offshore, coastal, rivers, harbours and land	Flexible Floating Storage Tank	5t - 25t
Beach, harbour and land	Viko Tank / Star Tank	2.5t - 13t
Rivers and harbours	FR50	5t



Viko Tank

self supporting open top tank

light and compact when empty

no tools or assembly required



The VikoTank range of open top storage tanks are light and low volume when empty. The tanks are very easy to use, no tools are needed and there is no assembly of framework required, making them ideal for emergency use.

VikoTanks are useful for temporary and longer term storage of oils and fluids, as well other applications, including firefighting, water storage and pressure washing. VikoTanks are available in a range of sizes up to 15m³.

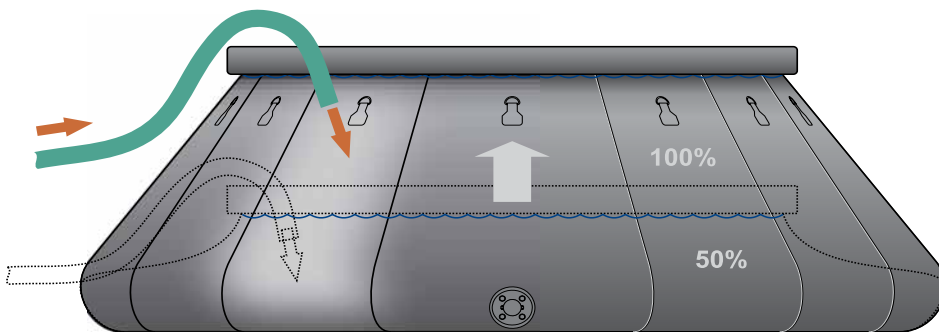
The VikoTank is easy to use. The collar of the tank provides support for the mouth of the tank as it is filled. The neoprene version has an air filled collar which is inflated with a foot pump, while the PU version has a foam filled collar. As the tank is filled the tailored fabric structure self

elevates and assumes a very stable configuration even in high winds.

The wide base provides stability and follows the contours of the ground so is ideal for beaches.

The VikoTank can be supplied in Neoprene or PU. Neoprene tanks perform especially well in extremes of temperature from -40°C up to +90°C. The Neoprene tanks have vulcanised seams which provide exceptionally strong joints, the PU tanks have RF welded seams for strength and integrity.

VikoTanks are supplied with an integral drainage valve and central internal lifting ring, to aid cleaning and stainless steel top cover restraint rings. VikoTanks can also be supplied with a tailored top cover and/or ground sheet/carrier bag.



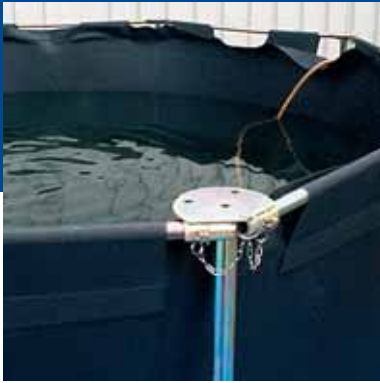
	Capacity	Dry weight / Dimensions when packed
VikoTank 15 (Neoprene)	15 m ³ (15,000 litres)	30kgs / 104 x 62 x 60 cm
VikoTank 13 (PU)	13m ³ (13,000 litres)	30kgs / 104 x 62 x 60 cm
VikoTank 6 (Neoprene or PU)	6m ³ (6,000 litres)	25kgs / 100 x 60 x 60 cm
VikoTank 2.5 (PU)	2.5m ³ (2,500 litres)	14kgs/ 98 x 58 x 58 cm

Star Tank

fast to assemble

stable temporary storage

lightweight and compact when packed



The Star Tank is an open top aluminium framed storage tank. It is fast to assemble and light and compact when stowed, making it ideal for emergency situations as well as other storage applications.

The marine grade aluminium frame is quick and easy to assemble with snaplock fittings, so there is no need for tools. The aluminium frame provides a strong sturdy support for the tank body.

The Star Tank is suitable for a range of applications, including oil spill recovery, oil/water separation, effluent containment, temporary storage, fire fighting, pressure washing and water storage.



The tank can be supplied with a discharge valve assembly for easy draining, and a storage box.

The Star Tank is available in Neoprene or PU coated fabric. The neoprene version can be used in hostile climatic conditions from minus - 40°C to +90°C and is unaffected by prolonged exposure to UV, without cracking or hardening.

The Neoprene tanks have vulcanised seams which provide an exceptionally strong join, the PU tanks have RF welded seams for strength and integrity.

The Star Tank can also be supplied with an integral ball valve for easy drainage.



Capacity

Dry weight / Dimensions when packed

StarTank (Neoprene or PU)

10m³ (10,000 litres)

Neo - 85kg PU - 73kg / 154 x 57.5 x 56 cm

Vikoma Pillow Tank

The Vikoma Pillow Tank is ideal for temporary storage of oils or long term liquid storage. The tank is fitted with two filler / discharge valves, and lashing points at the corners for fixing to the ground.

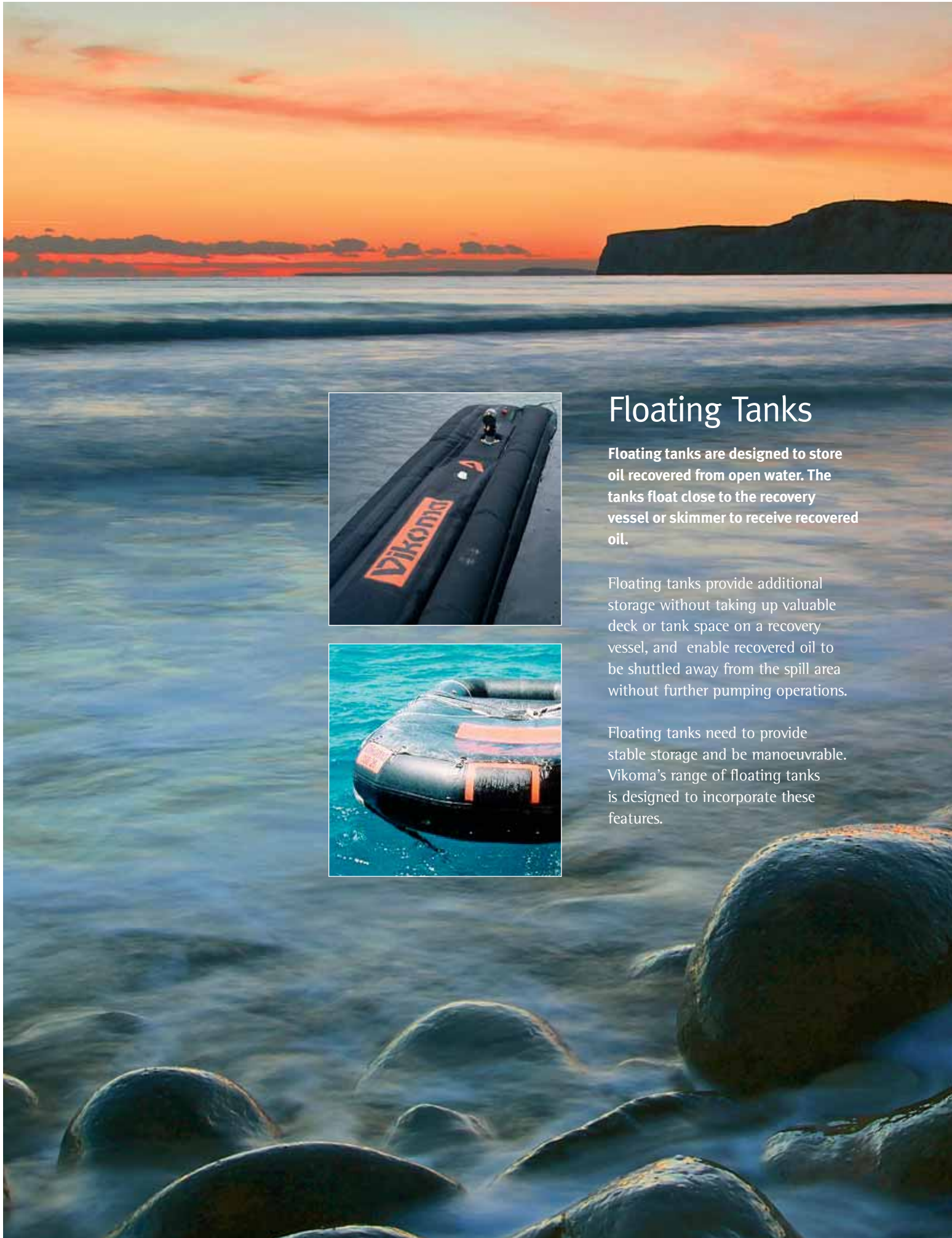
The pillow shaped tank needs no assembly or support structures so is very easy to use. The wide base and low profile also makes it very stable even in high winds.

The tank can be supplied with filler / discharge adaptors and a relief valve as optional extras.



Capacity	Dimensions when flat	Dry weight / Dimensions when packed
1,500 ltr	174cm x 300cm	10.5kg / 100 x 60 x 40cm
2,500 ltr	250cm x 300cm	18kg / 100 x 60 x 60 cm
5,000 ltr	312.5cm x 401cm	28kg / 100 x 110 x 60 cm





Floating Tanks

Floating tanks are designed to store oil recovered from open water. The tanks float close to the recovery vessel or skimmer to receive recovered oil.

Floating tanks provide additional storage without taking up valuable deck or tank space on a recovery vessel, and enable recovered oil to be shuttled away from the spill area without further pumping operations.

Floating tanks need to provide stable storage and be manoeuvrable. Vikoma's range of floating tanks is designed to incorporate these features.

Inflatable Oil Storage Barge

towable floating storage tank

up to 100m³ capacity

ideal for port and marine operations



Inflatable Oil Storage Barges can be used to transport oil products in port and marine operations or for the intermediate storage/transportation of recovered oil. Alternatively, they can also be used for the transportation of all kinds of low-density products.

The high integrity floating storage barge is manufactured from a hypalon/neoprene coated fabric. It has a buoyancy inflation tube around its perimeter, which is split into a number of independent compartments with internal bulkheads for integrity, and transverse sections to provide stability.

Hypalon/neoprene coated fabric offers excellent abrasion resistance and longevity and allows for use in a wide range of operating temperatures (-40°C to 90°C). There is also an additional anti-chaffing band along both sides of the hull.

The Inflatable Oil Storage Barge has a relatively shallow draft and a shaped keel, which gives it good towing characteristics in the marine environment. The tank has longitudinal ballast tubes, which fill with water during towing and aid directional stability when empty, and can be towed at up to 10 knots when empty and up to 4 knots when full. A fitted cover prevents splash-over during towing and to allow easy access for emptying and cleaning.

Inflatable Oil Storage Barges are available in various sizes from 10m³ to 100m³.

The Inflatable Oil Storage Barge is supplied with a custom made aluminium storage container for easy transportation and safe storage.

	Capacity	Dimensions (deployed) Length x width, draught (loaded)	Dry weight / Dimensions (packed)
Inflatable Oil Storage Barge 10 Neoprene	10m ³ (10,000 litres)	750cm x 300cm x 130cm	200kg / 121 x 90 x 90cm
Inflatable Oil Storage Barge 25 Neoprene	25m ³ (25,000 litres)	900cm x 396cm, 170cm	292kg / 161 x 110 x 110cm
Inflatable Oil Storage Barge 50 Neoprene	50m ³ (50,000 litres)	1100cm x 460cm, 200cm	450kg / 188 x 130 x 119cm
Inflatable Oil Storage Barge 100 Neoprene	100m ³ (100,000 litres)	1515cm x 535cm, 280cm	800kg / 210 x 130 x 149cm

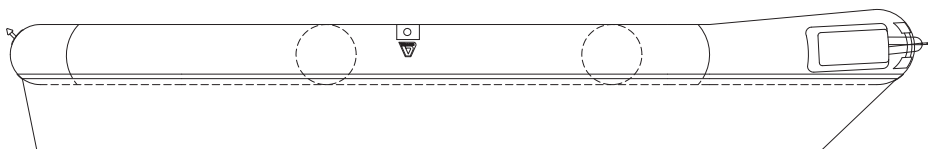
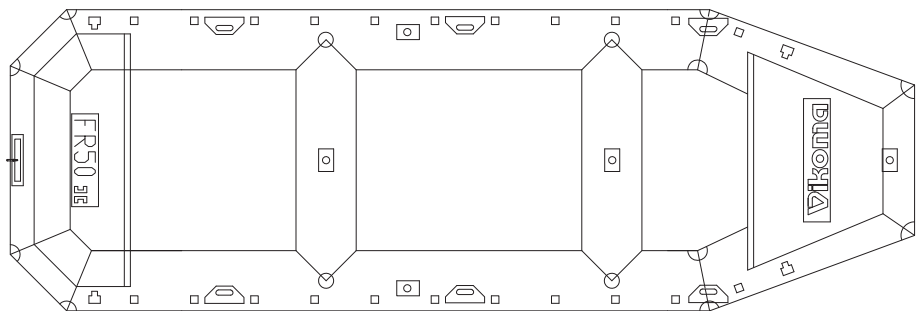
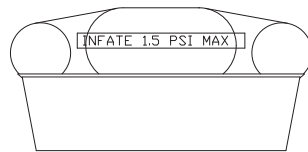


FR50

inflatable floating tank

5m³ (5000 litre) capacity

stable and easy to tow



The FR50 is an inflatable open topped tank ideal for storing viscous oils and all types of low density products.

The tank has a pocket shaped base, which when filled, creates a hull to aid manoeuvrability. The FR50 provides a stable storage solution which is easy to tow at speeds of up to 4 knots when full and 10 knots when empty. For handling the FR50 tank has reinforced handles along with towing and mooring points.

The buoyancy is maintained by four separate internal chambers for integrity, with two transverse sections to maintain the shape and rigidity of the hull. The tank is constructed of high quality neoprene, with vulcanised seams and reinforced bow and stern.

The FR50 tank can be rapidly inflated, by one person, using a low pressure air inflator. The tank has been designed to be lightweight and compact with a storage capacity of 5m³.

The FR50 can be supplied with a fitted cover to prevent splashing.

	Capacity	Dry weight / Dimensions when packed
FR50	5m ³ (5,000 litres)	60kg / 150cm x 50cm x 50cm

Flexible Floating Storage Tank

flexible enclosed tank

towable floating reservoir

for use in water or on land



The Flexible Floating Storage Tank is a light, compact and highly portable tank made from highly resistant vulcanised neoprene or polyurethane fabric with high frequency welded seams.

Primarily used for oil spill response Flexible Floating Storage Tanks can be used for other purposes including storage of fluids on dry land if required.

The tanks are easy to tow at up to 10 knots when empty and up to 4 knots when filled.

The enclosed tank has inflatable buoyancy tubes on either side. A filler valve and drainage valve are fitted for convenience and speed of filling and emptying the tanks.

The ends of the tank are enclosed using Unicon connectors, for quick attachment of towing bridles and also enables access to the inside of the tank for cleaning.



	Capacity in water	Capacity on land	Dimensions (Deployed) Diameter, Length	Dry weight / Dimensions (packed)
Flexible Floating Tank Neoprene	5m ³ (5,000 litres)	2.5m ³ (2,500 litres)	153cm, 575cm	70kg / 130 x 120 x 45cm
Flexible Floating Tank Neoprene	12.5m ³ (12,500 litres)	6.25m ³ (6,250 litres)	153cm, 1025cm	87kg / 130 x 120 x 45cm
Flexible Floating Tank PU	12.5m ³ (12,500 litres)	7m ³ (7,000 litres)	180cm, 750cm	73kg / 130 x 120 x 60cm
Flexible Floating Tank Neoprene	25m ³ (25,000 litres)	12.5m ³ (12,500 litres)	153cm, 1775cm	145kg / 150 x 135 x 60cm
Flexible Floating Tank PU	25m ³ (25,000 litres)	12.5m ³ (12,500 litres)	180cm, 1100cm	133kg / 140 x 140 x 70cm

Roll Over Tanks

compact inflatable tank system

emergency containment for tanker spills

ideal for use as temporary bunded area

Designed for use as an emergency containment system for road tanker incidents, the Roll Over Tank can be quickly inflated close to or even beneath the stricken tanker to contain leaking liquid cargo.

When packed the tank is compact and can be stowed ready for immediate use. It is fast and simple to deploy.

The Roll Over Tank can be inflated from either end for ease of use and has handles for manoeuvrability.

The Roll Over Tank is a versatile tank ideal as a temporary bunded area or for cleaning oiled equipment, such as skimmers and booms.

Available in high quality PU or extremely durable neoprene. The neoprene version has superior abrasion resistance and longevity.



Capacity

Dry weight / Dimensions when packed

Roll Over Tanks

4,500 litres (approx)

50kg / 130 x 100 x 45cm

Decontamination Tanks

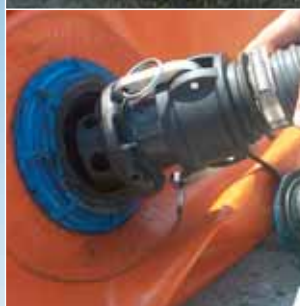
Vikoma manufactures a range of tanks suitable for decontamination on site and post operational cleaning of equipment



Vikoma Boom Cleaning tank provides separate compartments, ideal for cleaning booms, skimmers and other oiled equipment.

Small decontamination tanks are ideal for washing boots and small equipment on site.

Ancillary Equipment



Powerpacks

Vikoma Powerpacks are matched and optimised to provide hydraulic power to drive our extensive range of skimmers, reels and pumps. The larger powerpacks are able to power other equipment simultaneously e.g. boom reels and skimmers with independent controls on the power pack or via a control console. All are fitted with conveniently placed quick release couplings allowing rapid and easy connection of all our equipment. Vikoma diesel driven hydraulic powerpacks are available with additional safety features such as automatic overspeed shutdown valves and exhaust spark arrestors. Powerpacks for use in hazardous areas are also available (ATEX). All larger powerpacks are electric start as standard. Small powerpacks are hand start with additional electric start options available. Hydraulic starting or spring starting versions can be supplied at customers request.

Pumps

Hydraulically driven positive displacement pumps are carefully matched to skimmers to provide optimum pumping capability. The pumps have excellent suction characteristics, can self prime and can run dry. Pump design allows the passage of debris often found in spills, to be passed through the pump without causing damage. Several of Vikoma's skimmer systems have pumps which are designed so they can be used separately from the skimmer for other pumping duties. The floating IMP pumps are ideal for use in star tanks where they can be used to remove oil from the surface.

Hoses

Vikoma supplies high quality durable hoses to transport recovered oil to storage containers. Hoses are resistant to abrasion and give excellent service for many years and remain flexible in the coldest of temperatures. All have very secure heavy duty fittings reducing the potential for leakage.



Vikoma product range

Booms

Skimmers

Tanks & Storage

Vessels

Industrial

Powerpacks & Pumps

Dispersants



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As Vikoma has an ongoing development programme, we reserve the right to amend the information contained in this brochure without prior notice. All quoted dimensions and quantities are nominal. If equipment is required for operation in Zoned areas, please contact Vikoma International Ltd.