

**WE ALSO MANUFACTURE FOLLOWING
PRODUCTS IN FINLAND**



KK-TRAILER

The coil car loads and unloads itself. Trolley coils, pallets for collection containers and other materials used in oil spills can be easily transported with the coil car from the stock to the place of use in the terrain, or over longer distances to the loading area.

The product is protected by Patent No. 20106250

Carrying capacity 5000 kg, bogie, solid rubber tires



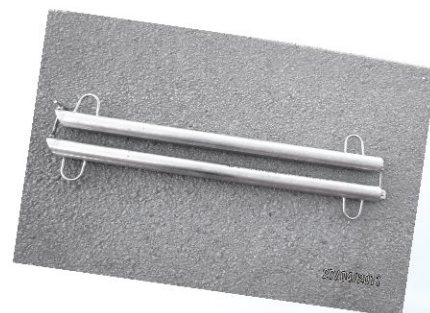
The trailer can be adjusted hydraulically:

- Width adjustment depending on the cargo, for example, the coil width of 2500 - 3100 mm stepless.
- Height adjustment due to the wheels of 0 - 570 mm from forklift tines tip; the hydraulic stabilizer ensures smooth lifting even on an inclined surface.
- Height adjustment due to the drawbar of 0 - 570 mm base forklift tines.

KK-CONNECTOR FOR OIL BOOMS

The oil boom connectors are provided for the anchorage of oil recovery booms.

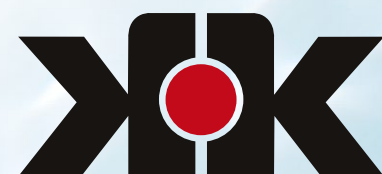
- Connectors are made of stainless steel.
- The connector gap is adjustable depending on the thickness of the oil recovery booms.
- Loops for attaching ropes for anchoring, etc. are included.
- The tubes are manufactured like pontoons which improves the buoyancy.



KK-ANCHOR

We design anchors and equipment depending on the purpose of the customers. Our anchors satisfy our customers. Typical applications are anchors for oil recovery booms, buoys, sea-lane marks, boats, ships. New applications are found constantly.

- Anchor size classes 10-250 kg.
- Smaller anchors (less than 50 kg), we also manufacture of high-strength steel.
- Due to its design our anchor need very little space and therefore require little storage space.
- The products are hot-dip galvanized.



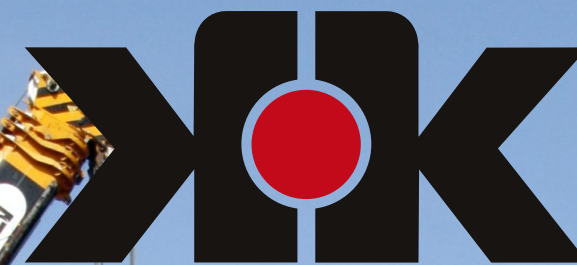
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KK-MODULE

**Oil recovery tanks
Transport wagon
Connector for oil booms
Anchors**





KK oil recovery tanks for use on land, at sea and other waters

Oil recovery tanks are floating and transportable tanks on water which are used for remove oil and other harmful substances from the collection vessel.

Accidents and problem situations in the oil drilling as well as shipping accidents on marine and inland water cause harmful water situations by oil pollution. Oil collection vessels collect oil from the water, but the problem is, if the oil collecting tanks on board are full, the ship must go to a port or another place of discharge in order to get the ship's containers empty. Thus, the oil collector vessel is exposed to suspend their activities for a long time, causing inefficiencies and may even worsen the impact of oil spills.

When using oil recovery tanks to transport the collected oil out of the danger area, the maximum efficiency of the oil collection vessel is ensured all the time, that is to be doubled until quintupled. Otherwise, the full oil collecting vessel itself has to go to the unloading station.



Oil recovery tanks filled with 100 m³

Especially in large oil tanker accidents oil recovery tanks can be anchored for later clearing near the accident site or stranded near the shore.

We developed a new type of transportable oil-collecting tank. The tank system consists of two parts which can be connected in parallel.



The robust design allows it to connect the tank couples also in line with one another. The tank jacket is equipped with a double wall with thermal insulation.

Our proprietary tanks and methods offer in addition to a lifetime of over 50 years several other advantages. These include pulling the tanks, the stability during drawing and the anchoring, the emptying and cleaning, which allows almost unlimited reuse of the tanks, as well as the potential uses for other environmental purposes are better compared to its competitors.

Oil recovery tank Patent No. 20106136



Oil recovery tanks 180 m³

10 highlights of the tank structure

1. The lifetime of the tank structure is more than 50 years, and does not require a building for storage.
2. The dimensions of each tank allow the transport in normal traffic to the accident site. If necessary, the entire country equipment can be transported to the site.
3. Both empty and full it is a floating tank in water; it can be dragged and anchored.
4. The tanks are provided with openings, which guarantee easy emptying, filling and cleaning.
5. The tanks can be re-used almost indefinitely.
6. Via a connecting part the tank parts can be connected in parallel. This provides stability in all conditions in which rescue operations are possible.
7. The tank structure enables a series connection, whereby the necessary tank capacity can be achieved.
8. The tank structure is a double wall one, which is thermally insulated.
9. Detachable hook lift platforms for smaller tanks, for rapid control of oil spill on land.
10. SYKE (the Finnish Environment Institute) has approved the oil recovery tanks and recommends their use.

Transmitted tanks:

- 100m³ tank SYKE Turku
- 176m³ tank SYKE Kalajoki
- 100m³ tank SYKE



In the pictures: Oil recovery tanks 10 + 10m³ on hook lift platform; connected with each other

The use of Oil recovery tanks ashore

- Smaller oil recovery tanks are equipped with separate hook lift platforms for use on land.
- Hook lift platforms facilitate and accelerate the deployment of tanks by oil spill in waters and on land.

Frame materials

- The steel frame structure is made of high-strength steel. (Yield strength is many times higher compared to the base steel).

Tank equipment

- Tank (red) with double wall
- Risers 1-2 pcs / tank with hinged plastic cover, in the cover 2 pcs 110mm flange joints.
- Riser height of 300mm from the back of the tank
- Polyurethane insulation in the jacket
- Collars with side buffer rubbers and tanks unifying mechanisms
- Working platform + railings around the riser pipes
- A ladder on the side wall of the tank
- A baffle plate inside
- Steel tip with rubber buffer
- Draw lines
- Storage box

KK-MODULE

Finnish trendsetter!



Made in Finland