



PROGRESSIVE INNOVATIVE TECHNOLOGIES



TecnoEcoProm

**INTERNATIONAL
INNOVATIVE
CONSORTIUM**

Tank cleaning technology with MKO-1000

Group of Companies «Pure World M» specializes in designing, manufacturing and operation of essentially new generation of machinery and complexes realizing environmentally-friendly resource-saving technology for cleaning from oil sludge, polluted soil and other oil wastes.

The technology of cleaning of storage tanks and vessel tanks with MKO-1000 complex has been introduced by

the Company in 2001. The technical cleaning reagent "Vega" applied in technology is one of the best washing-up liquids for storage tanks & tankers surfaces cleaning. For supersize river & sea tankers cleaning in a port, the washing station is installed in a pier; from 5 to 10 mobile MKO-1000 complexes are used. It allows to effect round-the-clock cleaning of several vessel tanks simultaneously.

MKO-1000 complex models (with the 40-foot container dimensions):

Model of the equipment	Specifications
MKO-1000.01	For the storage tanks cleaning containing dark-oil products
MKO-1000.02	For the storage tanks cleaning containing white-oil products
MKO-1000.03	For the storage tanks cleaning containing aviation fuel
MKO-1000.04	For the storage tanks cleaning containing vegetable oil
MKO-1000.05	For the storage tanks cleaning containing water
MKO-1000.06	For the railway oil cars cleaning
MKO-1000.07	For the oil tankers cleaning



**"Pure World M" Company offers MKO-1000 complexes for sale
along with services in tanks cleaning**

Tank cleaning technology in stages:

1. Oil-product pumping out of the tank
2. Bottom sludge suction and wash-out with water solution
3. Bottom sludge removal with suction pump
4. Tank space degassing during cleaning and washing
5. Tank cleaning process with Vega reagent solution at 60–90 °C
6. Walls and bottom cleaning at pressure and temperature with washing machine in use
7. Final degassing and inspection of the tank
8. Tank is ready for the next stage maintenance works (including welding and fire works)



Advantages of mobile complex MKO-1000:

1. Short mobilization time of the equipment (2-3 hours)
2. Low personnel requirements (3-5 operators only)
3. Oil-product transit pumping by local pumps
4. Multifunctional equipment used for wash-out and suction of the sludge
5. Equipment mobility at tank parks
6. Adopted ability to work in tropical conditions
7. Oil-product separation from water, solids and sludge

Benefits of the closed cycle cleaning process:

1. Low power and water consumption
2. Environmental and fire safety
3. Absence of harmful emissions to the environment
4. No chemical influence on oil-product and structural materials
5. Reusable cleaning reagent
6. Complete oil product extraction and quality preservation



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