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GEROTTO Tank Cleaning Robot (Atex Zone 0)
with 2 x 10" containers





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Description

The **GEROTTO Tank Cleaning Robot (Atex Zone 0) - GTCS** is an innovative solution for cleaning storage tanks in ATEX Zone 0.

De GTCR is designed with following specifications:

- Controlling of the system/unit in a safe area (**Less Men Entry, not 100% No Entry**), safe distance
- Accurate and precise interventions
- Cost reduction
- High quality
- Atex Camera System available





GTCR-ATEX-0 GEROTTO Tank Cleaning Robot with a 2x10ft container

10ft container for ATEX Zone 1

10ft marine container, including the allestment of two compartments:

Storage compartment:

- ATEX Zone 0 tank cleaner robot.
- ATEX Zone 1 hose reel with 50 meter umbilical wrapped hydraulic hoses. Suitable for max. 75 meter umbilical hose
- Hatch made in door
- 3th camera
- Barrel for glass cleaning liquid

Control unit:

- 2 HD 19" screens for controlling the CCTV system
- Desk
- Chair
- Hydraulic manifold with levers and pressure indicator
- ATEX Zone 1 lightning system for the operator cabin
- ATEX Zone 1 lightning system for storage side of the container
- Walls, doors and roof temperature insulated for hot/cold working operation
- Power Safety Box

The outside of the container will be painted in the colour on your request.





GTCR-ATEX-0 GEROTTO Tank Cleaning Robot with a 2x10ft container

10ft container
Non-Atex

10ft marine container without ATEX certification:

To be placed in a safe area.



This container contains:

- Hydraulic Power pack
 - need a power supply of 400v/32A (not included)
 - Variable displacement oil pump
 - Properly dimensioned oil filter and oil tank
 - Electric hydraulic oil level and temperature sensor
 - Properly dimensioned heat exchanger
- lightning
- Hatch made in door
- Hydraulic hose reel with 50 meter umbilical wrapped hydraulic hoses and electrical cable for connection with the ATEX Zone 1 container.
- Storage for ramps

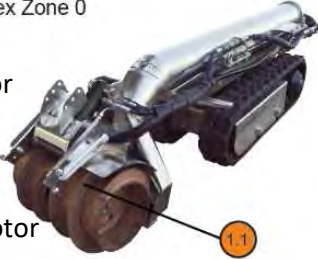



The outside of the container will be painted in the colour on your request.





GTCR-ATEX-0 GEROTTO Tank Cleaning Robot with a 20ft container	
GTCR	<p>Tank Cleaning Robot (ATEX Zone 0)</p> <ul style="list-style-type: none"> - Suction pipe 4" (100mm) with quick couplings. - 4" stainless steel male cam lock coupling on the back of the machine. - 75 meter umbilical with quick couplings connecting the GTCR to the manual control unit. - Manual control unit: manual operated hydraulic valves with safety by-pass lever. 
Counterweight	<p>Chemical resistant counterweight kit</p> <p>2 x counterweights per side configured to be attached on the GTCR with a quick screw connection system. Weight of the counterweights are 30 kg each for a total of 120kg weight.</p> 
RAMPS	<p>No Men Entry ramps</p> <p>Manual hydraulic ramps with anti spark safety. profiles for entering the manhole with the needs of any men-entry operations.</p>
RAMGT	<p>Manhole suction and umbilical guide tool</p> <p>Guide tool, mounted on the frame of the ramps for guiding the suction hose and umbilical. Suitable to be installed after entering the manhole with the GTCR.</p>
CCTV	<p>ATEX Zone 0 certified CCTV system</p> <p>Composed by:</p> <ul style="list-style-type: none"> - 3 x ATEX Zone 0 camera - 2 x ATEX Zone 1 certified monitor 19inch (Possibility to see up to 3 camera views in one screen simultaneously) - DVR device with wireless download on smartphone, tablet pc etc. - 2 x power supply intrinsically safe lightning system to be installed on the container in ATEX Zone 1 - 2 x ATEX Zone 1 certified connectors to be installed on the container in ATEX Zone - 125 meter intrinsically safe cable - Arm mounted on the robot on which 2 cameras are mounted. Movement of this arm through levers in ATEX Zone 1 container
TRAINING	<p>Training in the Netherlands</p> <p>Manual (English language) and training on location in Oud-Beijerland, the Netherlands</p>



Recommended options for GTCR	
AUGER 4	<p>Frontal hydraulic auger</p> <p>Special ATEX Zone 0 construction. Atex Zone 0 Frontal suction configuration with screw made in anti-sparks yellow metal and hydraulic motor for the screw rotation. Equipped with a stainless steel protection for the frontal screw and the connection of the hoses. Extra hydraulic hoses from the auger hydraulic motor with quick connection system. Hydraulic manual control unit suitable for auger configuration controls with manual flow regulator. Teflon made bottom profile for not damaging the coating of the tank's floor.</p> 
KWN	<p>Kit Water nozzle</p> <p>5 x high pressure/ low flow nozzles 1 x high flow / low pressure nozzle Orientable position and distance from the front of the machine</p>
MAGTRA1	<p>Magnetic tracks Type 1</p> <p>Composed by:</p> <ul style="list-style-type: none"> - Stainless steel special sprockets and rollers for the tracks chains. - Roller transmission tracks chains and special shoes for the magnets and the rubber pads. - Material resistant to chemicals 
MAGTRA2	<p>Magnetic tracks Type 2</p> <ul style="list-style-type: none"> - Stainless Steel special sprocket for the tracks traction system - Stainless Steel bend composition for holding the tracks in pace and Special composition of the pads for maximum traction of the magnets - Neodymium magnets with stainless steel covers and nickel treatment 
Squeegee	<p>Squeegee Tool</p> <p>4" squeegee tool in stainless steel Anti-oil rubber profile for avoiding any risk of scratching the surface and spark. Closing and opening control through the hydraulic manual manifold.</p> 



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