



**MODEL  
CAPACITY  
VEHICLE**

Vasca ribaltabile  
from 4 to 8 m<sup>3</sup>  
IVECO, MITSUBISHI, ISUZU  
(in base of the request of a client, also can be built  
on other vehicles where it's possible making it)



**Vasca Ribaltabile** has been designed for the careful and transport of waste in small municipalities and in a difficult access areas, from the support satellite to the large compactors.

The container has a capacity of **4 to 8 m<sup>3</sup>** and it has been designed to allow the transfer of waste in compactors and/ or fixed stations.

Made entirely of **S255J** and **S355J Steel sheet** (or on request in AISI 304, Strenx 700, Hardox 450 or Aluminum stainless Steel). Completely electro welded with **continuous wire**. On the **right side** of the tank there is a **door** equipped with hinges, locking hooks and rubber protections.

The front **wall** of the tank is raised above the side walls in order to protect the vehicle cabin. The lifting of the tank is given by the **multi-wire hydraulic cylinder** which allows the body to **overturn by about 90 °** and the stability of the vehicle on the ground when unloading is guaranteed by two **double-acting** hydraulic cylinders that work as stabilizers.

The **standard version** is equipped with of time bins mod. Barracuda with double rack for 80/120/240/360 bins and DIN 30.700 attachment forks for 660/1100 containers. The device works by **four rotation points** that allow the container to be verticalized up to the end of the stroke of the cylinders where the rotation takes place for emptying the entire contents of the tank without spreading waste outside.

Zero leakage of the conduit, the distributors and the valves used are positioned on all workplaces.

The controls of the equipment are located in the cabin.

**On request it is possible to add:**

a manual or automatic cover with PVC sheet, box turn arms, Bologna connection for containers from It. 1300/1700, container vault arms DIN 1300/1700 connection, hydraulic bag applied to the container vault and/ or fixed basket applied to the container turner, double door, shovel and broom support, tilting covered opener device, rear camera and monitor in cabin, check control, equipment in the cockpit, toolbox, one or two approved operator platforms .



90 ° rise of the tank

**Vasca Ribaltabile** has a **MCTC testing** and is guaranteed for **24 months** from the testing date.

After the warranty period, the *Officine Pilla*, are able to supply spare parts and any other maintenance.

The equipment complies with the **machinery directive** 2006/42 CE and EN1501 and subsequent modifications with relative marking.

Built with **high quality materials** according to production processes subjected to quality controls according to the standards: UNI EN ISO 9001: 2015 and the environmental management system is regulated according to the standards ISO 14001: 2015.

**Officine**  
urban vehicles



## Optional:

**SIMPLE TANK** equipment equipped with functions that make it **"MACHINE INDUSTRY 4.0"**

The equipment is equipped with an **M251 PLC** with double Ethernet port, one of which is connected to the modem router (*located in the right box*) for remote connection and the second to the operator panel (*located in the cabin*). The **PLC** is installed in the control box on the rear right side of the vehicle (*see photo 1*).



This **PLC** is able to provide a multiplicity of information that can be displayed on the latest generation control panel mod. **MAGELIS SCHNEIDER 7.5** "LCD touch screen, (see photo 2)

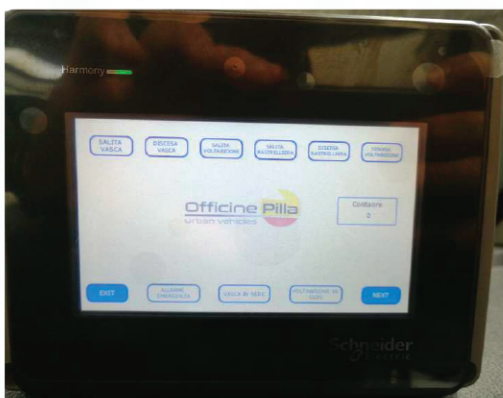
The data that can be displayed are:

- Tub Ascent / Tub Descent,
- Climb AVC,
- Ascent / descent Rack
- AVC descent,
- Basin in place / Basin raised,
- AVC inside / AVC outside;

### ALARMS:

Emergency Stop;

In addition, the working hours of the equipment are counted.



All the data that appear on the operator panel can be extrapolated from the PLC remotely through the Link: IP 10.VPNIN-STANCE: \*\*\*\*\* / (serial number) .HTM

this is possible thanks to a RUT240 4G modem router (photo 4) which with a special dedicated SIM allows both the connection and the display of data and information necessary for both remote assistance and software modification.

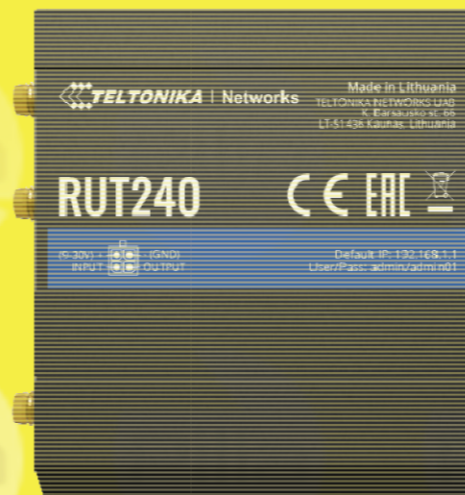
One of the determining **factors for industry 4.0** is definitely bidirectionality. *Officine Pilla* offers a very clear and precise system. If there is a problem related to the oil temperature or an operator presses an emergency button (located in each corner of the equipment), an email will arrive in the office which will have as its subject the vehicle registration number and the alarm found. On the **web page**, remotely, through the **"emergency stop"** command, it is possible to block the power take-off of the vehicle. Once the operator has unlocked using the **"RESET"** button located in the vehicle cabin, a note (via email) will arrive at the office specifying the consent to restart the operations.

(photo 3)



The whole device has been designed and observes the MODBUS tpc-ip protocol on ETHERNET and unique IP address.

The router is equipped with WI-FI technology that can be used within the signal coverage range where from your smartphone and / or



tablet via **IP address**, it is possible to connect and view all data.

It is possible to connect to the wi-fi router through the name **"Pilla \*\*\*"** at the following link: 11.11.148. \*



5.

The latest generation **magnetic GPS Tracker** (*photo5*) allows not only to know where the vehicle is but also to have a track of the route it has traveled with excellent precision.

It is possible to monitor in real time via the website

<https://mytkstar.net> where you can observe the movements of the GPS Tracker through a map, it is possible to enable some exclusive features such as the Geo-fence, an option that will allow you to track a radius in the map within which your tracker will have to remain, leaving the traced radius you will be notified through a text message or notification. It is possible to perform monitoring in real time through the application compatible with iOS and Android. In order to use the application from a smartphone you must enter some data such as the IMEI and the device password. The IMEI is located on an adhesive plate attached to the magnetic part of the GPS while the default password is 123456 which you can change via the APP or the website as soon as you log in.

