



**MODEL  
CAPACITY  
VEHICLE**

**mini Vasca**  
**from 2 to 4 m<sup>3</sup>**  
**Porter maxx Piaggio, Giotti Victoria**  
(in base of the request of a client, also can be built on other vehicles where it's possible making it)

**Officine**  
urban vehicles





The **mini Vasca Ribaltabile**, from *Officine Pilla*, was designed and built for the collection and transport of small-sized shared waste, historic centers in areas of difficult access.

The container bin with a capacity of 2 to 4 m<sup>3</sup> and has been designed to allow the transfer of waste in compactors or fixed stations; made entirely of sheet steel S255 and / or S355 (or on request in stainless steel Aisi304, Hardox 450, Strenx 700 or in Aluminum Peralluman).

The Tank structure is completely electrowelded with continuous wire.

On the right side of the Tank, there is a door equipped with a hinge, locking hooks and rubber doors; the lifting of the tank is given by two double-acting hydraulic jacks which allow the body to overturn by about 90 °, in order to transfer the receipts to the compactors with universal or free dump mouth.

The stability of the vehicle on the ground when unloading is guaranteed by two double-acting hydraulic cylinders which act as stabilizers.

They are activated automatically before the start of the lifting of the tank and return during the descent of the same. In the standard version it is equipped with a vault for new model '19 bins for 80/120/240/360 lt. bins.

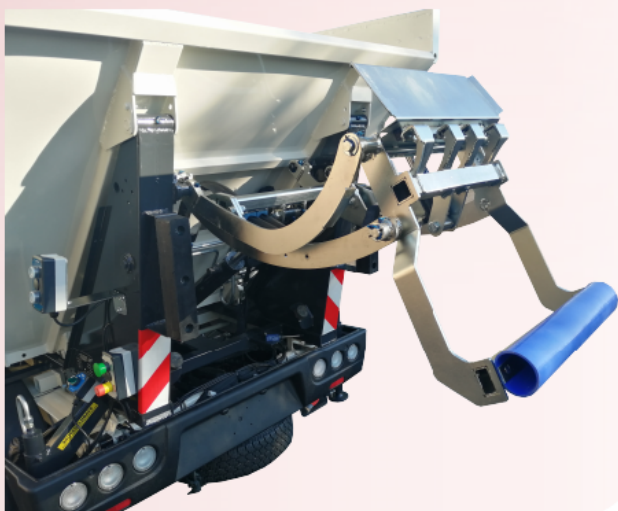
On request it is possible to mount the Barracuda model vault with completely vertical ascent, particularly suitable for emptying wet waste.

The distributors and valves used are positioned on each workstation.

The controls for the equipment are located in the cabin and on the right rear side, push button panel with controls for hooking the bin and raising/ lowering the vault.

The standard equipment is completed by a pair of rear mudguards, a pair of rear mudguards, a series of indelible pictograms relating to the use operations, a use and maintenance manual with coding of the spare parts.

On request, however, it is possible to create a door on the left side, mount a manual or automatic cover with a PVC sheet and a white rear light for night work, shovel and broom support, tool box.



Bin-turner arms of S355



Rise of the tank of 90°



**miniVasca 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**.

### OPTIONAL:

**mini Vasca Ribaltabile** equipment equipped with functions that make it " **INDUSTRIAL MACHINE 4.0**"

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



photo 2

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

The data that can be displayed are:

- Blade opening;
- Trolley return;
- Blade closing and trolley exit;
- Raised/ Lowered tank;
- Vault bins for out of shape;
- Extended stabilizing feet/ re-entering;
- Oil temperature;
- Hour counter.



photo 1

#### ALLARM:

- Emergency Stop;
- High temperature hydraulic circuit oil;
- pressure switches malfunction.

Also, the data relating to the work cycles are stored:

- Number of cycles of shovel and constipation trolley;
- Number of bins turn cycles;
- Number of discharge cycles
- The cycles also store up to 20 times the uses of the Emergency Stop buttons. ( see photo 2)



All the data appearing on the operator panel can be extrapolated from the **PLC** remotely by username and password, this is possible thanks to a modem router **RUT230 3G** which with a special dedicated **SIM** it allows both the connection, the visualization of the data and the necessary information and for the remote assistance that modification of the software.

In addition the router is equipped with **W1-F1** technology that can be used within the range of signal coverage where from your smartphone and / or tablet via **IP** address it is possible to connect and display all data. (photo 3)

photo 3

All the equipment has been designed and observes the **MODBUS tpc-ip** protocol on **ETHERNET** and a unique **IP** address.