

LRB

REAR LOADER BIN WASHER MACHINE

GENERAL DESCRIPTION

- The LRB mobile washing unit for Municipal Solid Waste containers is the result of extensive specific industry experience, offering high versatility and low operating costs for the automated washing of bins.
- It is designed in a rear-loading configuration for mounting on 12 to 26 t chassis and stands out by providing a complete washing system that effectively covers both the internal and external washing of the bin.

TECHNICAL CHARACTERISTIC

- **Hydraulic system:** draws power from pumps installed on the vehicle's power take-off (PTO). It consists of a large-capacity tank, a heat exchanger, and filters, with safety valves throughout the entire circuit.
- **Electrical system:** managed by an electrical control unit with IP56 protection, which regulates the hydraulic movements. In the cab, a touchscreen panel allows the driver to set washing times and parameters, access configuration menus, and view alarms. A second control panel on the machine is dedicated to ground operators to manage the loading/unloading cycle and washing selection (light/heavy)
- **Water system:** the high-pressure system consists of stainless steel tanks, filters, and a high-pressure pump (48 L/min, 160 bar). Internal washing is managed by two robots equipped with self-rotating heads. External washing is available in 4 different variants with increasing washing performance levels.

KEY FEATURES

- The front systems compartment allows for the placement of large components (electrical panel, boilers, water pump, oil tank) in a way that is protected from weathering.
- The chamber is closed by the bin lifter and the upper tailgate. This solution results in a short tailgate with a small overhang, ensuring that operators are not inconvenienced by dripping at the end of the wash cycle.
- Designed to ensure the complete sealing of the washing chamber
- Cleaning is performed by opening the bottom (sludge discharge door), with a door width equal to the internal width of the chamber, facilitating the removal of solid residues.
- The manual washing lance, located at the rear of the washing chamber with a 10-meter hose reel, ensures ease of use and allows for machine cleaning at the end of the shift.

