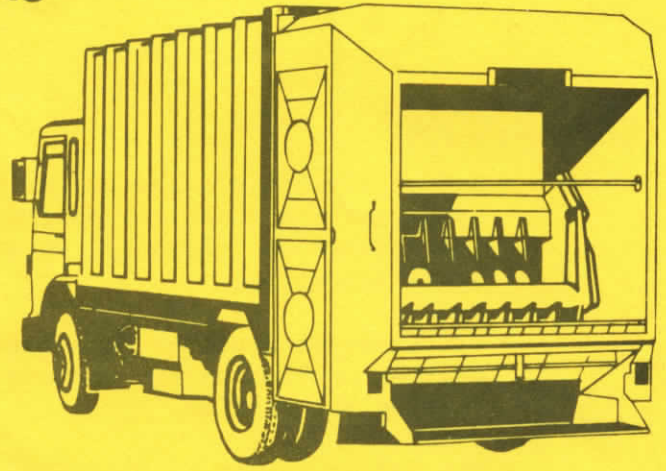


# SEMAT REFUSE COLLECTORS

## BR type (REY SEMAT PATENT)



### PRINCIPLE

- Refuse is thrown into a large hopper located at the rear of the vehicle and low in height. It is pushed into the body by a packing device, actuated with an elliptical movement, operating continuously or discontinuously as required.

### DESCRIPTION

- Non tipping body with steel framing and heavy welded steel body
- Large loading hopper : approx 1500 liters capacity
- Leak-tight gasket between hopper and rear gate
- Full width hopper
- Loading unit made up of 2 combs, one fixed at the input to the hopper, working as a deflector, the other movable, twin hydraulic rams, accurately controlled by a ram ring rotat the moving teeth into the loading hopper.
- A single acting hydraulic ram operates the ejector plate, which also serves as a compression barrier.
- Accessories : shovel and brooms carries, hopper floodlight, rear safety device for immediate stopping of the loading comb, rubber flap protecting the legs of the workers.

### MAIN FEATURES collector's

- Low rear hopper makes dustmen's work easy and fast, full width hopper makes loading easy for bulky items and cartons.
- Ultra rapid absorption. Possibility of loading up to 5m<sup>3</sup> per minute
- Loading as easy at the end of the collection as at the beginning
- Constant compaction from the beginning to the end of the collection
- Compaction ratio over 4, thanks to rapid crushing (4 loads per minute)
- Immediate discharge without tipping
- Minimum of maintenance. All systems are sealed from dirt and servicing is made easy via large side access doors
- Silent working
- Greater payload in relation to gross vehicle weight
- Continuous or discontinuous loading as required.

## OPERATION

- Refuse thrown into the hopper is fed into the body 4 times per minute by successive rotations of the loading comb. The dustmen or collectors do not have to control the compacting since it is automatic.
- Waste can be absorbed at a rate of 4500 liters per minute, which exceeds dustmen loading speed. Workers can work at a steady speed without overloading the machine.
- The refuse loaded is flattened under the fixed comb and compressed against the plate (ejector) inside the hopper. A constant counterpressure at the lever of the ejector by a special valve, maintains the rubbish under pressure similar to between the two jaws of a vice (on one side the ejector and on the other side, the loading mechanism).
- Unloading is a matter of seconds by opening the rear gate, and activating the ejector. Non tipping body makes the chassis work longer.

## ADVANTAGES

- Silent
- Well designed hopper at the rear (low and wide) easy for the workers
- Rapid absorption
- High rate compaction
- Maintenance cost reduced to the minimum because of the simplicity of the mechanism.

## USE

- Open collection
- Bags collections
- Hermetic collection
- Containers collections

## AVAILABLE MODELS

- Superpac BR 0 geometric volume 12 m3 on chassis of 13 tons
- Superpac BR 1 geometric volume 13,5 m3 on chassis of 13 to 14 tons
- Superpac BR 2 geometric volume 14,4 m3 on chassis of 14,5 to 16 tons
- Superpac BR 3 geometric volume 15,8 m3 on chassis of 17 to 18 tons
- Superpac BR 4 geometric volume 17,6 m3 on chassis of 18 to 19 tons
- Superpac BR 5 geometric volume 18,6 m3 on chassis of 19 tons and more.