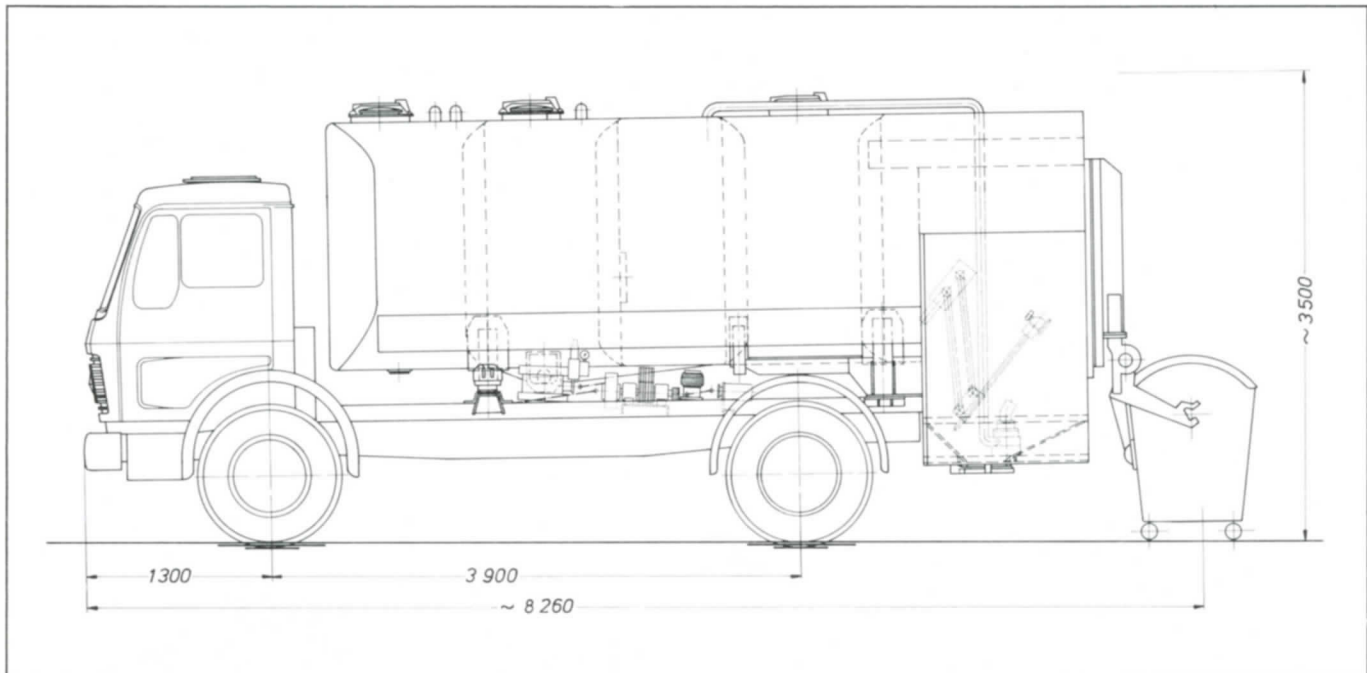




**Refuse container  
cleansing vehicle**

# Refuse container cleansing vehicle



Dirty Refuse Containers are an ideal breeding place for bacteria and various germ carriers, and therefore represent a constant danger to our health. In addition, flies can easily pick up micro-organisms and transfer them to people or food. Food remains in refuse containers, which are not removed by normal emptying, are an ideal breeding ground for flies.

We therefore decided to develop a refuse container cleansing vehicle which would meet all requirements. After all, for a sanitary and clean environment refuse containers must not only be emptied, they must also be clean!

"HALLER" is the only manufacturer who has consistently offered carefully tested reliable equipment specially designed for this purpose. The vehicle can be incorporated in the cycle of the garbage collection trucks, thereby facilitating a cost saving work programme. The expensive transport of refuse containers to a stationary cleansing plant becomes superfluous and unnecessary.

The "HALLER" refuse container cleansing vehicle is built in one standard size, adapted to the capacity of refuse collecting vehicles in common use. It has a capacity of about 7,000 lts. fresh water, about 7,000 lts. used water and about 1,200 lts. solids.

The fresh water container, which is located in two inter-connected compartments, one in front and one in rear of the vehicle, is filled by a hydrant.

According to requirements, various loading mechanisms can be mounted for cleaning of the refuse containers. The high pressure water pump used for the cleaning of the refuse containers is driven from the vehicle's main engine. The rinsing water is fed via a filter to the pump and a suction line from the fresh water container. The rinsing pump is operated by the container lifting devices at the rear of the vehicle. If there is no refuse container to be cleaned, the water delivered by the pump is depressurized and is recirculated to the fresh water container via a by-pass line.

When the lifting system is in operation the container is swung upwards and thereby activates an electromagnetic contact. This automatically swings the special rinsing heads into the container, simultaneously feeding them with water at a pressure of about 70 atm.

Water is sprayed into the refuse container from 4 nozzles with which each head is equipped. The rotation of the heads, which takes place on two levels, ensures a close, circular spraying of the inner surface of the container with sharp water jets. The length of the rinsing operation can be controlled manually through the lifting system as required, i.e. according to the amount of dirt. When the container is swung back and lowered, the water pressure drops and the rinsing head swings back automatically. The dirt loosened from the containers is carried, together with the spent water, into the solid matter tank, mounted rigidly behind the rear fresh water tank. The hydraulically



driven contaminated water pump, operated from the rear of the vehicle, pumps the spent water into the middle compartment. This compartment, as well as the ones for fresh water, is accessible through a manhole. The spent water is discharged from the compartment through a large drain opening at the right-hand side of the vehicle. Larger pieces of dirt are collected and dumped through a pneumatically operated flap, located beneath the solid matter compartment.

Since the cleaning process is controlled by the amount of dirt in the containers, water consumption varies and no exact figures can be stated. On the average one may, however, reckon with approximately 20 litres of water for each garbage can and approximately 60 litres for each large refuse container. The rinsing heads are made of stainless steel and require almost no maintenance. A special lubricating fluid for the rinsing head transmission ensures the correct speed of rotation which can be further regulated by a set screw.

The loading mechanism also controls the movements of the rinsing heads which are pneumatically placed in their "on and off" position.



Double lifting mechanism for refuse bins of 110 litres content.

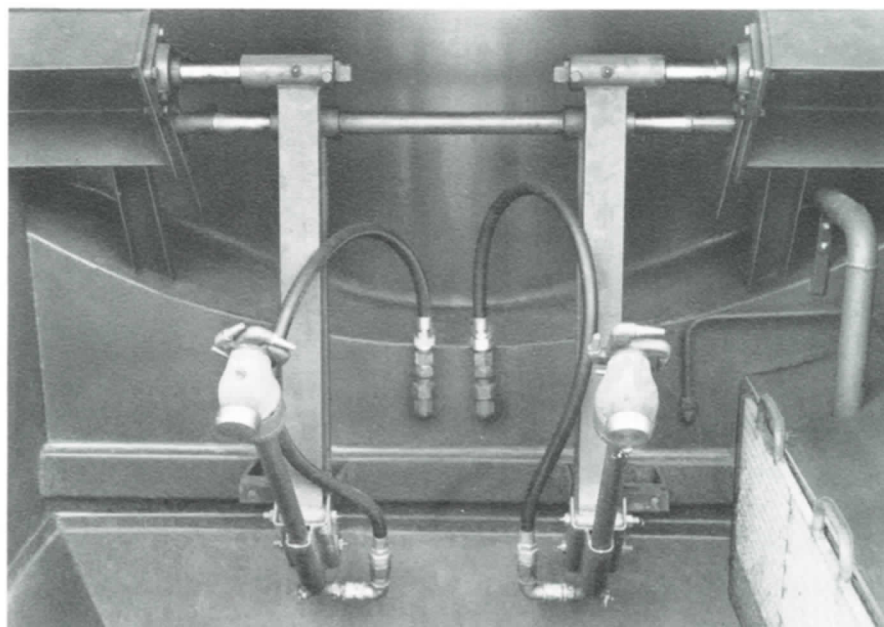


Double lifting mechanism for refuse containers of 220 litres content.



Lifting mechanism for refuse containers of 1.1 m<sup>3</sup> content.

Special washing heads, each with 4 jets. On the right the filter for solids and below the solids collector.



# Our production program

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- Refuse truck for domestic refuse
- Compact refuse truck for domestic refuse, bulky refuse, business refuse, trade and industrial waste
- Compact refuse truck for bulky refuse and for mounting of dump troughs
- Large-volume refuse transporter for reloading stations
- Refuse compactor container, which can be set down by means of set-down or sliding tipper, for stationary operation
- Refuse container cleaning truck for standardized refuse containers
- Suction truck, suction truck trailer and suction truck semitrailer for thick- and thin-flowing sludge and for cleaning of sewers and catch pits
- High pressure flushing truck for rational and hygienic sewer cleaning
- High-pressure flushing and suction truck for sewer cleaning and simultaneous sludge removal
- Street washing truck
- Tunnel washing truck
- Lavatory container, can be set down by means of slide tipper



Fahrzeugbau Haller GmbH

Mauserstraße 20

Postfach 300420

D-7000 Stuttgart 30 (Feuerbach)

Telefon 0711/8991-1, Telex 07252134

An association of companies:

HALLER-Behälterbau oHG  
Industriestraße  
D-8801 Wetztingen Krs. Ansbach  
Telefon 09869/330

NKF Leichtmetallbau  
Rigistraße 1-3  
D-1000 Berlin (West) 48  
Telefon 030/7216071, Telex 0185405