

JPL HIGH PRESSURE WASTE BIN WASHING SYSTEM



← Washing the bin is done automatically at the same time with emptying with no extra work. Washing pistol and reel for 15 meters of hose is easily at hand.

↑ Special hydraulically rotating nozzles guarantee very efficient cleaning quickly, with little water.

↑ The bin wash can be completed with the automatic lid washing program using special nozzle pipes.

AUTOMATIC AND QUICK WASTE BIN CLEANING

With Dynaset's high pressure waste bin washing system the waste collecting truck is used with maximum efficiency - saving environment, time and money at the same time.

The waste collecting truck can be used more effectively and bins can be washed more frequently without significant increase in cost. This enables better and more flexible service for customers for very reasonable price.

Instead of using a separate vehicle for washing, one single truck can both collect the waste and also clean the bin. This allows great savings in time and expenses in salaries, fuel, and vehicles. When low temperatures prevent

bins from being washed, the truck can still be used for basic waste collecting.

Dynaset's high pressure waste bin washing system is incorporated in the waste collecting truck. This enables one car and one driver to complete both the emptying and washing of the bins. The waste bins are washed automatically, simultaneously with emptying.

The capacity of the system exceeds the number of bins one truck can empty in one round. The system is suitable for installation on practically any waste collecting truck.

DYNASET

POWERED BY HYDRAULICS

HIGH PRESSURE WASTE BIN WASHING SYSTEM

The Dynaset waste bin washing system includes two hydraulically rotating high pressure nozzle assemblies, which penetrate the bin during operation. One nozzle is used for a small bin, two nozzles for two small bins or one large bin. The system includes turning nozzle pipes for washing bin lids and a washing pistol for manual washing.

The system also includes a water heating unit for best washing result. The warm water (up to 60°C) intensifies the cleaning greatly. If needed, non-foaming solvent agent can be added into the washing water.

Using the washing system is simple and requires practically no extra work: the bin is emptied normally by tipping it with the elevator system. Then the desired washing program is selected and then completed automatically.

Cleaning the insides of one small bin takes only 4 to 15 seconds (with about 3 to 11 liters of water respectively), depending on the system settings. The lid wash takes about 10 seconds.

Giving a final touch for the cleaning is easy with the included washing pistol. The 15 meter hose and a hose reel with automatic reel-in makes cleaning the truck or the surroundings effortless and effective.

The washing system is based on the patented, reliable and compact Dynaset hydraulic high pressure water pump. As high as 180 bar water pressure combined with powerful nozzles helps keep the water consumption low: one water tank of about 2 m³ can hold the water for washing 220 bins.

The washing water is collected and it can be filtered and reused. This way a single tank lasts for 350-450 bins, which is more than a collecting truck's waste container capacity. It is also greater than the number of bins handled during a work day. The waste water tank volume is more than the water of 400 small bin washes.

The waste bin washing system includes:

- Dynaset HPW180 high pressure water pump
- 2 hydraulically rotating nozzles
- 2 turning nozzle pipes
- 15 m. water hose, hose reel, washing pistol
- Water tank(s), total volume 3500 liters (fresh water tank 2000 l, waste water tank 1500 l)
- Water heater, max temperature 60°C
- Touch screen operated user interface



- ▲ A big bin is washed using both nozzles.
- ▲ The water jets used in bin wash are powerful.
- ▲ The system settings are managed with a touch screen in the truck cabin.
- ➔ The outside of the bin as well as the collecting truck, surroundings, etc. can be washed manually using the handy and powerful washing pistol.