

RAVO: High Pressure Cleaner option

An introduction to high pressure cleaning of grease and oil stains
concrete and asphalt surfaces.

RAVO High Pressure Cleaner

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History of the High Pressure Cleaner



- **2010**

- Prototype of the High Pressure Cleaner (HPC) build on request of the Dutch Highway Authority (DHA) to keep the shoulders of the Dutch highways clean since the road is made of very porous asphalt which can only be cleaned with high pressure.

- **2011**

- After a successful testing period of one year the DHA approves of the method and issues a tender for road cleaning. Verhuco (Dutch contractor) orders 2 RAVO's with the Road Surface Cleaning attachment.
- On operating of the units it is found that they are excellent for removing oil stains hence Verhuco decides to operate them in the port of Rotterdam at Aluchemie and Shell as well as doing emergency work for Rotterdam Airport

- **2012**

- RAVO officially launches the HPC option to be sold worldwide after two years of testing
- The option will be officially launched at the IFAT show in Munich

RAVO HPC technical pictures

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Principles of the HPC

- **Based on the following principles:**

- The HPC option is mounted at the rear of the container of a RAVO 5-series sweeper and can be operated when the unit is not sweeping. First the unit sweeps the dirt and afterwards the HPC cleans the surface and removes all oil and grease stains

- **With the following characteristics:**

- 14 nozzles close to the road surface spraying water between 90 and 120 bar to loosen the dirt and oil
- 2 flexible suction tubes with a diameter of 150 mm equipped with automatic shutter valves mounted to a suction mouth with a dimension of 1,800 x 50 mm to suck the dirt in the hopper
- Extra water tank of 1,250 Litre has been mounted inside the hopper to enlarge the action radius
- The jetting unit and suction mouth are equipped with 6 castor wheels and are hydraulically liftable
- Side movement to both side of 300 mm
- High pressure water pump with a capacity of 90 litre at 180 bar
- Protected water tank in order to use the right chemicals to remove the oil

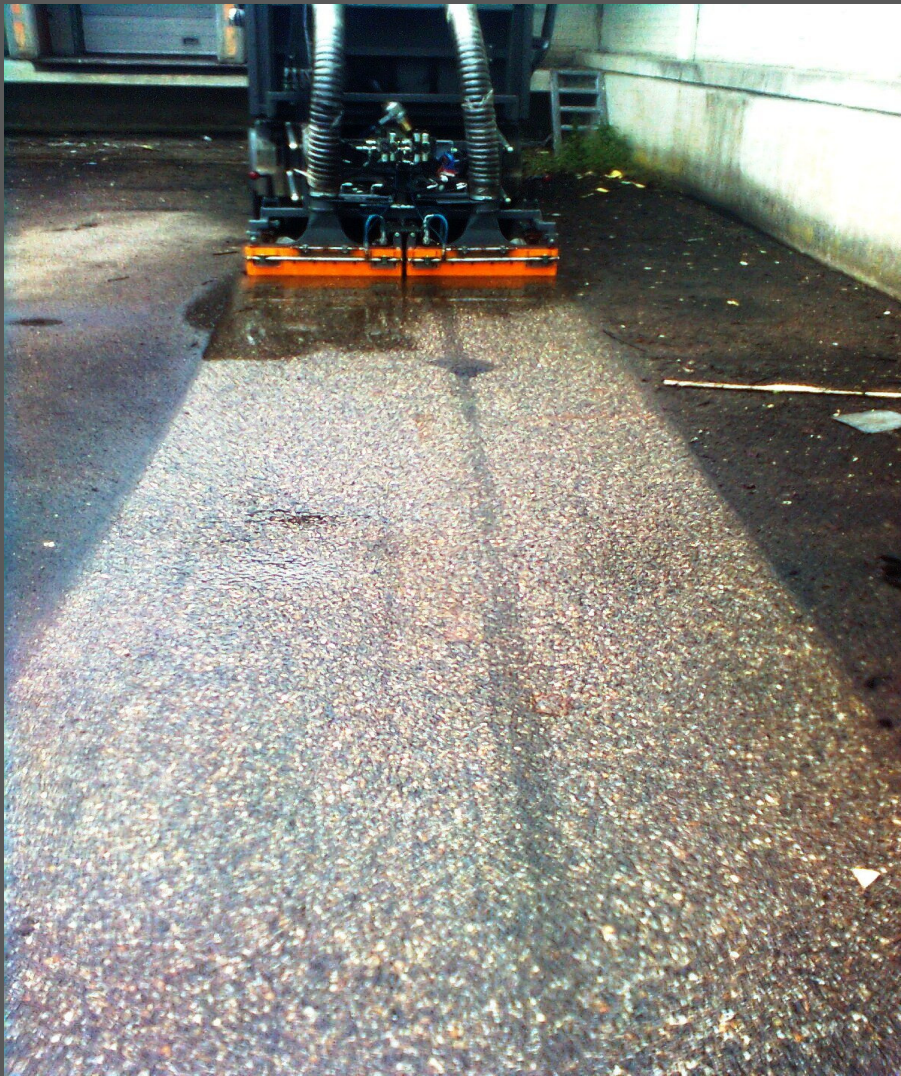
RAVO HPC close up picture

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RAVO HPC Cleaning grease



RAVO HPC Cleaning oil

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RAVO HPC: More information

- A movie of the RAVO HPC Option can be found here (copy the link):
 - http://www.youtube.com/watch?v=lfbtH_uAzzQ&feature=plcp&context=C3b3809eUDOEgsToPDskJIELkraY1efJ2pWo6Af0le
- For references:
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