

Mobile Washing Container Information Guide



Various mobile cleaning possibilities.

Flexible, Mobile and Reliable

History of Mobile Washing Containers

For many years Gröninger Cleaning Systems BV from Holland have been installing high pressure pumps in containers. Since 2007 a 100% mobile washing container for various cleaning activities has been developed.

Aim of this development was to design a standard solution for general cleaning activities for companies who could use a mobile solution. In this way clients could avoid building fixed washing halls.

Further more the Mobile Washing Containers needed to be very easy to installed based on a plug & play principle. In order to avoid pollution all waste water needed to be collected into a waste water collection tank.



(Foto: Mr. G. Baxter from ABB receives his 40 FT Mobile

Wash

Mobile Washing Containers have been installed at different sites worldwide

This brochures informs you about the possibilities of Mobile Washing Containers and how they can be used in your organisation.

General Description of the Mobile Washing Container

Depending on local desires and demands the Mobile Washing Container can be delivered in a purpose build 20 ft our 40 ft High Cube Container.

The washing container will be delivered as a plug & play washing container to minimize installation time at your site.

The container is divided into two sections:
1) a technical section for all equipment and a
2) cleaning section to carry out all cleaning activities.



Staff who are using the washing container can operate all equipment via a operating panel installed in the cleaning section.

Cleaning activities within the container

Different cleaning activities can be carried out within the container:

1) High Pressure Cleaning of turbo chargers

High pressure water up to 155 Bar can be produced from 10°C to 140°C (steam) via a Kärcher High Pressure Steam Cleaner. Different detergents can be chosen to obtain the best possible cleaning result.



2) Cleaning by Wet Sand Blasting

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In combination with the High Pressure Steam Cleaner heavier polluted turbo charger parts can be cleaned by using the wet blasting system.

You have got the option to use various wet sand blasting material to clean the different materials used in turbo charger parts in order to avoid any damage on the parts. Used wet sand material can be re-used if needed.



Equipment list to be build in to the technical section of the container

1) High Pressure Steam Cleaner

A high pressure steam cleaner enables you staff to clean turbo charges with 10°C to 140°C high pressure water/steam up to 155 Bar.



2) Waste Water Collection Tank

The 7000 Litre Waste Water Collection Tank can be build into the technical compartment to collect all waste water. This stainless steel tank is automatically filled via a waste water pump if the containers is used by ABB staff.

A build in safety measure has been installed to prevent overflowing of the tank.

Emptying the container can be taken care of via a external truck or via the internal waste water pump.



3) Waste Water Pump

The waste water pump will automatically pump all waste water used in the cleaning compartment into the waste water collection tank.



4) Main electrical cabinet

The main electrical cabinet empowers all electrical equipment installed inside the container. Via a plug & play connection the electrical supply is quickly connected to the container.



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5) Anti frost heater

Mobile Washing Container which are located at ABB sites with lower outside temperatures will be equipped with a anti-frost heater to prevent other equipment to freeze.



6) Compressed Air

A compressor like the Atlas Copco GA18+ or Ingersoll Rand Typ UP20 can be installed in the technical compartment in order to produce compressed air at your site.



Equipment list to be build in to the cleaning section of the container

1) Washing bay

Basis of the container cleaning section is the washing bay with grid floor on which waste water is collected. No waste water will be spilled in the direct environment of the container in this way.



The automatic level switch in the washing bay detects the level of the waste water and will activate the waste water pump.



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2) Damp extraction cabinet

All damp which is developed during steam cleaning will be taken out via the damp extraction cabinet and it's high capacity roof ventilator.



3) Operating cabinet

The operating cabinet (stainless steel / water tight) enables your staff to operate all equipment needed to carry out high pressure steam cleaning.



4) High Pressure Pistol

A high pressure pistol with hose reel is installed in the washing compartment to allow easy cleaning in every part of the container.



5) Internal transport of heavy parts

All heavier parts can be lifted and transported inside the container via the heavy duty hoist. (500 – 1.000 kilo lifting capacity)



6) Wet Sand Blasting System

Heavy polluted turbo chargers can be cleaned with the wet sand blasting system.



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General Advantages of a Mobile Washing Container are:

- 1) Different options in equipment...
- 2) Different sizes in containers...
- 3) Flexibility in extra excess doors...
- 4) Easy to install and ready to use on arrival at your site...
- 5) None polluting...
- 6) Save investment...



Should you like to learn more about Mobile Washing Containers please contact:

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