



## If you are washing lots of cars why not consider a vehicle wash boom

In order to reduce the time it takes to wash a vehicle, such as a car or van, it may be worth considering the installation of an overhead wash boom. There are two main designs available dependent upon the type of mounting required. The most efficient car wash areas will be designed so that vehicles are driven straight through the washing area so if a wash boom is to be used it is better for it to be attached to an overhead gantry constructed especially for the purpose. If a gantry is not used it is possible to fit a wash boom to a wall or cladding.

Wash booms are often called car wash booms because for any vehicle above the size of a small van the concept becomes unpractical because most booms are 2 metres radius or less.



It is important when installing a wash boom to ensure it is protected against frost damage. This is best done by at least providing a means of draining the pipes or by trace heating. Trace heating is fitted by tying an insulated heated wire to the high pressure tube to the rotary coupling. The electricity supply to the trace heating wire is switched on when a frostat measures temperatures below 5 Deg C. The trace heated wire is covered by pipe insulation to prevent the heat generated by the trace wire from escaping.

It is important to ensure that precautions are taken to prevent the vehicle driving off with the trigger assembly attached. This can be done easily by always being aware and holding the trigger assembly, or hanging the trigger assembly up on a purpose made bracket each time.



## Why not upgrade your mobile hot or cold pressure washer by trading it in for a Static machine from B & G

### HOT WATER PRESSURE WASHER



The Hot water machine illustrated is from a range which includes a 240 volt machine and 415 volt machine that can be used by two operators simultaneously.

- Reduces set up time.
- Prevents fuel contamination.
- More suitable for multiple operators.
- Reduces fuel cost by using bulk storage Improved security.

### COLD WATER PRESSURE WASHER



The pump illustrated can be supplied with Cold or Hot water up to 85 Deg C. This is particularly useful for internal cleaning such as is required by the food industry.

## **B & G introduces new low pressure wash-down system by System Cleaners DK**

We have manufactured our own range of medium and high pressure wash systems for many years and we are introducing new low pressure wash equipment due to customer demand and to complete our product range. The Systems Cleaner product range is very well respected in Europe, and is renowned for its performance and quality.

System Cleaners are pleased to be able to offer their products to UK customers because they already know that B & G is committed to excellent after sales backup and service.

We see that the new range will enhance our services to the food industry where wash gun pressures range from 5 bar to 100 bar. We see where Low pressure washing when used with higher water volume can reduce wash time significantly. We can demonstrate this to customers that are interested in the concept.

**If you feel that lower pressure with more water volume may be able to reduce your wash time, contact us and we will demonstrate the concept using a mobile machine with foaming facility built in. The mobile machine that we use for demonstrations is available as a product within the Systems Cleaner range but it also allows us to quote for a fixed system knowing that the process fulfils your requirements prior to installation**

- Pressures from 5 to 25 Bar
- Flows from 20 to 200+ litres
- Foaming systems with controlled dilutions
- Fixed and mobile systems
- B & G now offer wash-down systems from 5 – 200Bar pressure.



## **B & G Chemical Mixing System Demonstrated to the US Army**

The equipment described below was supplied by our company to the UK Defence Laboratories at Porton Down. It reflects the ethics of our Company Directors and staff that this equipment is for non-aggressive purposes and it is designed to save lives.

In June a delegation from B & G went to an international conference at the US Army base, Fort St Leonard Wood, Missouri where we were invited to demonstrate the trailer mounted decontamination chemical spraying system that we had built for the Defence Laboratories at Porton Down. The system was built in 2005 and has been used for extensive trials in the UK.

The system together with a new chemical formulation developed by the Laboratories has received acclaim due to its effectiveness in thoroughly decontaminating a number of chemical warfare substances.

The trailer and associated powder and liquid mixing systems is totally independent for remote use due to the Stephill electrical generator on board.

The trailer was exhibited at an open day at Porton Down in 2007 and due to technological advancements using specialist systems and computer control there was widespread interest in its capability. Subsequent to this and the close co-operation between the British & American military the US Army invited B & G to exhibit the trailer at the international conference in Missouri.

Two B & G Directors went to Missouri for a week, together with a delegation from the UK Defence Laboratories.

During the two days of the conference the height of the visit was when a U.S. General was shown the trailer and its ability to mix any powdered and liquid chemical. It is hoped that the interest shown will lead to further development of the system to utilise the flexibility of the design and enhanced control system to incorporate chemical substance detection. This would enable the system to mix the optimum decontamination formula.

This project may seem far removed from some of B & G's more customary products but over the years we have built many mixing systems for cleaning vehicles, food premises and engineering components. Cleaning and decontamination do have some similarities.

We hope to be able to continue with this project in coming months if development funds are made available.



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