

MASK WASHING BY MACHINE

It is approved by mask manufacturers and in use in the UK and Germany.

Warewashing specialist Meiko has invented a way of washing BA equipment in a warewashing machine that complies with all health and safety requirements.

This new way of washing BA equipment saves labour, chemicals, guarantees hygiene, but most importantly ensures consistent results and eliminates the risk of human error.

It also saves considerable energy and is more sustainable for the planet.

To find out more, please visit:
<https://www.meiko-uk.co.uk/en/products/cleaning-personal-protective-equipment-ppe/ba-mask-cleaning/>

Meiko is a German engineering company that specialises in manufacturing warewashing and associated food waste handling equipment.

It is the first, we believe, to introduce mask cleaning and disinfection washing machines. The automated washing technology for respirators and face masks provides Log 5 protection.



The common method

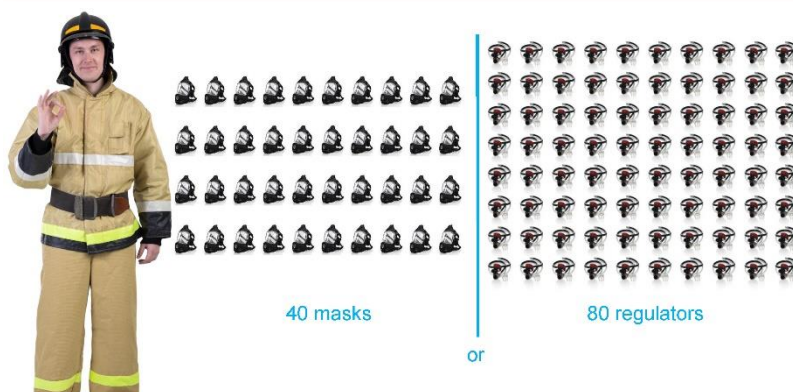


Washing in a machine, rather than hand washing, protects staff from aerosols and ensures maximum hygiene and inactivation of Covid 19.

- Automatic and failsafe disinfection
- No aerosols, fully sealed washing system
- Establishes clear separation between clean and dirty
- No direct contact with chemicals and hand washing
- No residues on the PPE

Washing in a machine saves time, labour and ensures consistent results.

Speed, what is possible in one Hour...



Babcock's Rosyth site is the first UK user of Meiko's automated respirator washing technology, which provides Log 5 protection.

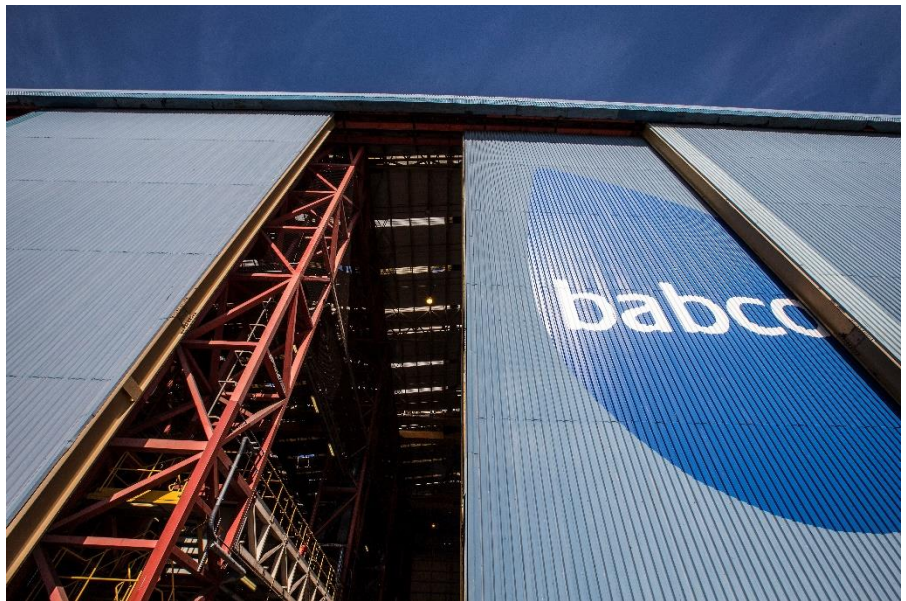
babcock™

"Along with being able to evidence compliance with regulations, we know that our people are supplied with fully maintained kit, to the highest levels of cleanliness," says Colin Chrystal, Health, Safety & Environmental Manager at Babcock's Rosyth site.

"We anticipate being able to fully inspect, disinfect and maintain 60 units per day, comfortably. Babcock's Rosyth site is currently washing 10 masks per day using the Meiko TopClean M Cleaning and Disinfection system (3M 6000 full face respirators and 3M 7500 half mask respirators).

"We are also investigating the possibility of cleaning our powered Respiratory Protective Equipment (RPE) head tops using the same system (3M M-200 series Versaflo and Speedglas head tops)."

Babcock's Rosyth site is home to one of the largest waterside manufacturing and repair facilities in the UK and is embarking on a new era of digitising its facilities and systems to bring advancements and efficiencies into its manufacturing, build and assembly processes.



It has retained a Five Star safety award for 18 consecutive years and has been awarded the Sword of Honour on 12 occasions from the British Safety Council. The site's Safety Management System has been audited by Lloyd's Register to the OHSAS 18001 standard, from which it will transition to ISO 45001 in August.

Continues Colin Chrystal, "The previous process was to issue RPE to the individual, who was responsible for undertaking the cleaning and inspection of the RPE. However, we then took the decision to have all cleaning, maintenance, inspection, and record keeping undertaken by trained warehouse operatives.

"Our previous care and maintenance process relied on the person cleaning, inspecting, and maintaining their RPE, and then recording it on a form that was passed to their Supervisor. We identified that a central pool with trained maintainers would improve this and our ability to demonstrate compliance with the requirements of the PPE Regulations and HSG 53.

"To achieve this, we had to move our provision of RPE from a one person, one mask system, to a pool system. We identified the Meiko TopClean M as key to ensuring support from our people. Being able to demonstrate the log 5* reduction in germ contamination was key to winning the hearts and minds of the individuals using it."

The legal background  






The new system should prove more 'sustainable' in terms of water/chemicals/energy savings.

"An additional benefit is that, because we have moved to a pool system, the cost of supplying new RPE to individuals has reduced. The maintenance process is now environmentally efficient; our trained warehouse employees assess and inspect the RPE and replace parts, as required. We are now in a position where future projects will benefit from this process in term of costs and our people receiving the best kit.

"Along with being able to evidence compliance with regulations, etc, we know that individuals are supplied with fully maintained kit, to the highest levels of cleanliness."

Introducing the new cleaning and disinfection process required on-site support and training from Meiko UK. Colin Chrystal rates the support from Meiko: "Good – all of our queries have been answered almost immediately!"

Economic efficiency

-  Only 4.4l fresh water / cycle
-  Only 44ml of detergents per cycle (300ml are required for a 30l sink)
-  less chemicals have to be discharged into the sewage system



The sustainable credentials of the Meiko system, compared with manual hand washing, speak for themselves.

For example, exactly 44ml of detergent is required per cycle to wash 4 masks and 4 respirators in the Meiko machine, compared with some 300ml for a 30L sink.

Whether the masks are heavily contaminated or lightly soiled, Meiko ensures consistent, hygienic results, safely, and with consideration for the environment.

Flexibility because of different racks

We have one basic basket which can be equipped with different racks



RACK FOR MASKS

4 masks can be cleaned and disinfected per cycle.



RACK FOR REGULATORS

8 regulators can be cleaned and disinfected per cycle.



COMBINATION RACK

4 masks and 4 regulators can be cleaned and disinfected per cycle.



RACK FOR A HARNESS

1 harness can be cleaned and disinfected per cycle.



RACK FOR A BOTTLE

1 oxygen bottle can be cleaned and disinfected per cycle.

To find out more, please visit: <https://www.meiko-uk.co.uk/en/products/cleaning-personal-protective-equipment-ppe/ba-mask-cleaning/>

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