

04/2008

---

Chemical-free Work for Maintenance Cleaning

## Premiere at the Interclean “Hako Aqua Force” System – Cleaning with demineralised water

The use of cleaning chemicals in maintenance cleaning by machine causes high costs and, as a result of the unfortunately frequent over dosage, this contributes to a not inconsiderable burden on our environment.

Hako-Werke have taken this thought into account and permanently work on the optimisation of their range of cleaning machines and on the problems and responsibilities associated with this; in the spirit of cleaning concepts, which are suitable for the user, which protect resources and which are sustainable.

### **Chemical-free cleaning with demineralised water**

Cleaning with demineralised water has already been carried out successfully in other areas for a long time (glass and façade cleaning, railway cleaning, ship cleaning, car washes etc.).

Hako has now introduced this technology to floor cleaning for the first time. Extensive tests have shown that, as far as floor cleaning with machines is concerned, **excellent results can be achieved in maintenance cleaning** by the use of demineralised water.

The Hako computer-supported economy calculations, especially developed by Hako for this purpose, highlight the cost advantages for each particular application, which arise as a result of saving chemicals.

### **The way it works**

Demineralised water is particularly soft and, as a result, can wash around the dirt particles on the floor, dissolving these better and “packing” them up. The water dries up completely, without leaving any residue, stripes or lime scale edges behind. The cleaning effect can be increased even further by using special scrubbing tools (special brushes / micro-fibre pads / diamond pad system).

As a result the surface is prevented from getting dirty again quite as quickly; the dirt particles are not given the opportunity of attaching themselves to the residues from tensides, soaps, detergents or lime.

04/2008

---

If there is stubborn dirt around then the remedy is at hand by means of spot spray cleaning. However, if there should be a request at any time to use an additional cleaning agent, then this too poses no problem. There could even be the advantage that one could work with a considerably reduced dosage.

### **System solutions for various cleaning requirements**

For maintenance cleaning with demineralised water Hako recommends three systems with various different working tools:

System 1 Universal = with brushes made of a synthetic material mixture K 901; suitable for all types of floor, in particular for sealed, easy-care floor surfaces – robust, low maintenance, long brush lifetime.

System 2 High Performance = with micro-fibre pads grey-white – particularly for micro-porous floors – ensures an extremely high cleaning performance.

System 3 High Gloss = with diamond pads – this system is particularly suitable for terrazzo, marble, granite and everywhere, where a shine is desired without chemicals – cleaning and shine in one operation.

### **An uncomplicated stationary system**

The stationary system, which is offered, is simple and durable. It consists of a unit for ion exchange with cartridge (30 or 50 kg ion exchange resin).

The unit is placed at the filling station. When filling the machine via the water hose, the tap water is processed in the ion exchanger online. The filling time does not increase as a result. In conjunction with the automatic filling system (the machine side) the operator can carry out other extra jobs whilst the machine is being filled.

In a fixed cycle (depending upon water consumption and the hardness of the water in the application) the cartridge can be changed by Hako Service or a logistics service provider. The ion exchange resin is processed in an environmentally-friendly way at a central point and can then be re-used.

The whole process is completely environmentally-friendly – Hako sets an example for a cleaner environment!

Hako-Werke GmbH / Press Office