

## Instructions for cleaning and disinfecting face masks of MSA AUER GmbH, Berlin, in the washing machine

### 1. Devices and face masks:

The full face masks of MSA AUER GmbH, Berlin, listed in table 1 can be cleaned and disinfected in a washing machine type PW 6131 EL of the manufacturer Miele, using cleaning agent and disinfectant Sekumantic®FDR (liquid) of the producer ECOLAB®.

Table 1: Facepieces of MSA AUER GmbH, Berlin suitable for washing in the washing machine named above according to the certificate of the test house DEKRA EXAM GmbH:

Full face masks from series	Full face mask, model	Full face masks for mask/helmet combinations from series
<ul style="list-style-type: none"> <li>• 3S</li> <li>• 3S PF</li> <li>• 3S PS</li> <li>• 3S PS MaXX</li> <li>• 3S PF ESA</li> <li>• Ultra Elite PF</li> <li>• Ultra Elite PS</li> <li>• Ultra Elite PS MaXX</li> <li>• Ultra Elite PF ESA</li> <li>• Advantage 3100</li> </ul>	<ul style="list-style-type: none"> <li>• 3S Basis</li> <li>• 3S Basis with speech diaphragm</li> <li>• 3S Basis Plus</li> </ul>	<ul style="list-style-type: none"> <li>• MSA-H/F1 negative pressure</li> <li>• MSA-H/F1 positive pressure</li> <li>• MSA-H/HPS negative pressure</li> <li>• MSA-H/HPS positive pressure</li> <li>• MSA-H/Supra negative pressure</li> <li>• MSA-H/Supra positive pressure</li> <li>• MSA 3S-H/Heros xtreme negative pressure</li> <li>• MSA 3S-H/Heros xtreme positive pressure</li> <li>• MSA Ultra Elite-H/Heros xtreme negative pressure</li> <li>• MSA Ultra Elite-H/Heros xtreme positive pressure</li> <li>• MSA-H/F1 2008 negative pressure</li> <li>• MSA-H/F1 2008 positive pressure</li> </ul>

## 2. Important information for cleaning and disinfecting in the washing machine

<b>1. Insertion</b>	Place the mask in the designated protective bag for this purpose and close the protective bag. Place masks loosely in the washing drum, do not press (max. 12 masks per wash).
<b>2. Concentration/ duration</b>	<p><b>1% solution with Sekumatic®FDR =&gt; application time 5 minutes at 60°C</b> =&gt; 805 ml Sekumatic®FDR per wash with washing machine Type PW 6131 EL</p> <p>Sekumatic®FDR will be automatically dosed as a liquid through a dosing station (optional accessory) into the machine in exactly the required amount.</p>
<b>3. Washing program</b>	<ol style="list-style-type: none"> <li>1. Pre-cleaning at 50°C for 5 minutes <b>without</b> addition of detergent</li> <li>2. Pre-cleaning cold for 3 minutes <b>without</b> addition of detergent</li> <li>3. Cleaning and disinfection at 60°C for 5 minutes <b>with</b> 1% addition of detergent</li> <li>4. Purging cold for 1 minute</li> <li>5. Purging cold for 1 minute</li> <li>6. Purging cold for 1 minute</li> <li>7. Purging cold for 1 minute</li> </ol>
<b>4. Drying</b>	Dry masks at max. 60°C.
<b>5. Post-treatment</b>	If applicable remove detergent residues.
<b>6. Notes</b>	<ul style="list-style-type: none"> <li>• Follow the instructions in the operating manual and safety data sheet for the cleaning and disinfection detergent: - Sekumatic® FDR</li> <li>• Follow the correct adjustment of the dosage systems according to the chemistry manufacturer.</li> <li>• Follow the instructions in the Miele washing machine operating manual.</li> <li>• Follow the instructions in the operating manual of the full face mask.</li> <li>• Perform a functional check, visual check and leak test.</li> <li>• Check the valves and valve seats for detergent residue and if necessary rework affected parts.</li> <li>• After each cleaning and disinfection the full face mask and its components must be checked for material changes. If necessary affected parts have to be replaced.</li> </ul>