

## Cleaning guide for Varimixer AR80 and AR100.

A risk assessment must always be used for all cleaning processes involved in food production.

Based on current legislation, Varimixer A/S<sup>1</sup> has compiled the table below as an aid to devising customer-specific cleaning plans. The importance of cleaning in individual zones of the mixer is illustrated using colours. \*

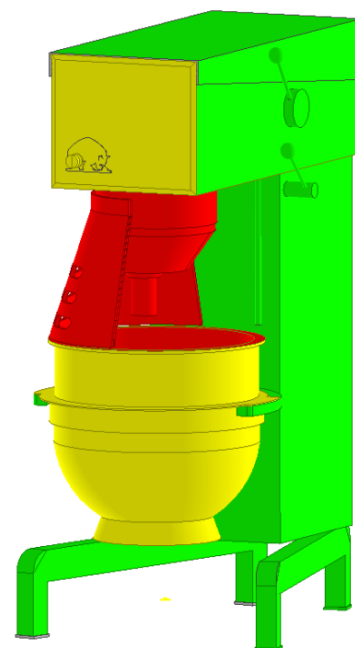
The mixer's parts mainly consist of stainless steel EN1.4301 (AISI 304). To avoid the steel corroding, the following guidelines must be followed:

- Chloride (Cl<sup>-</sup>) content under 50 ppm at temperatures up to 80°C.
- Never use hard steel wool/sponges or other hard objects that can scratch the steel surface.
- After using chemicals, the mixer must always be washed off with clean water of drinking-water quality.

The bowl ring and certain tools are made of aluminium:

- When washing aluminium, pH value must be kept between 5.0 and 8.0.

Remove all safety guards and tools before starting cleaning.



- \*  **Non- food contact zone.**  
= Low risk.  **Splash zone.**  
= Moderate risk.  **Direct food contact zone.**  
= High risk.

### Cleaning step-by-step

<b>Bowl.</b>	Empty the bowl and rinse with water. Put bowl in the dishwasher, or wash by hand with a soft sponge or brush. <b>NB: The bowl ring is aluminium.</b>
<b>Tools.</b>	Remove any food residue from tools, and rinse with water. <b>NB: Never tap the whip against the bowl lip or other objects.</b> Wash tools by hand or in a dishwasher. Always remove the stainless steel part of the scraper blade before cleaning. <b>NB: Some tools can be aluminium.</b>
<b>Safety guards.</b>	Wash safety guards by hand or in a dishwasher.
<b>Bayonet housing.</b>	Always check the bayonet where tools are attached for food residues. A damp cloth or sponge can be inserted into the bayonet to loosen food residues.
<b>Front panel.</b>	Wipe off the front panel with a lightly-wrung cloth. Remember the emergency stop.
<b>Mixer/stand.</b>	Always wash the mixer with the bowl clamping system in open and closed position.

<sup>1</sup> DS/EN 454: 2014, DS/EN 1672-2:2020, etc.

<b>Bowl clamping system.</b>	<p>The mixer is classified to IP32. It must therefore only be wiped using a well-wrung damp cloth.</p> <p><b>NB: Never spray water on the machine.</b></p> <p>Machines with the upgraded version IP-44 can be washed using foam. Rinsing-off must be restricted to thin streams of water, equivalent to normal rain. The water must be clean water of drinking-water quality.</p>
<b>Lift arm and speed control.</b>	<p>Always wash the bowl clamping system in open and closed position. Wash the bowl clamping system using a well-wrung damp cloth as for washing the stand.</p> <p>Dry the rollers for the bowl catch to remove water and cleaning chemicals.</p>
<b>Storage.</b>	<p>The bowl can be fitted on the mixer after cleaning. If the bowl is stored on the mixer, we recommend covering it.</p> <p><b>NB: To avoid steel corrosion, never store foods with high concentrations of acid or salt in the bowl.</b></p>

## Disinfection

Disinfection requires strong chemicals. Always perform an assessment of whether disinfecting the mixer will make any difference to food safety for the end product.

**NB: Always obtain the recommendations from the supplier/manufacturer of cleaning/disinfection products before use.**

If water is left from cleaning and disinfection to evaporate on the mixer surface, the concentration of chlorides and other chemicals will be higher than during the cleaning process. Always rinse and wipe off the mixer with clean water of drinking-water quality after using chemicals.

All oxidising chemical disinfectants require rinsing off with clean water of drinking-water quality. Without access to clean water of drinking-water quality, disinfection using hot water, steam and disinfecting using IPA ethanol and ethanol can be used.

**NB: Always obtain a written declaration from the supplier/manufacturer of the disinfectant that it is safe and can be used without rinsing off using clean water of drinking-water quality.**

Incorrect use of disinfectants can damage the mixer.

## Acid-proof stainless steel

When producing strongly acidic and/or products with a high salt content, and when cleaning using strong chemicals, we recommend buying the mixer bowl and tools in acid-proof stainless steel EN 1.4401 (AISI 316).

Acid-proof stainless steel is more corrosion-resistant, and by way of comparison tolerates chloride (Cl<sup>-</sup>) concentrations below 50 ppm at temperatures up to 100°C.

For more details on cleaning Varimixer A/S mixers, refer to our website: <https://varimixer.com/>