Important Hygiene Information:

In the event of bacterial contamination of the ice:
- first carry out the cleaning procedure as described below, both for ice machine and ice storage
- then check bacterial contamination of the incoming water before the ice machine.

In cases where contamination has been found within ZIEGRA Chip Ice, it has always been found that contamination did not occur in the ice making process but only when the incoming water was already contaminated.

Frequency of cleaning:

At least every 6 month or in accordance with site conditions.

Cleaning agents to be used:

To de-scale the parts in contact with water, especially the freezing unit, first use the ZIEGRA cleaning agent part# 950908113. This agent removes lime scale from hoses and freezing units (see cleaning instructions for freezing units in the operating manual).

If deposits other than lime scale are found in the freezing unit, the freezing unit should be dismantled, the deposits removed manually with an abrasive pad and then the unit should be reassembled in accordance with ZIEGRA instructions. This operation must be carried out by a ZIEGRA certified service agent.

Once de-scaled, Ziegra Sanitiser is available for general purpose use; part # ZUK9700044. This works in most cases, however if this fails after several attempts, guidance should be sought from the Environmental Agency as to which solution should be used to deal with a specific contamination issue.

In order not to damage parts please note that:
- pH value must range between 5 and 8
- solutions outside pH value must not remain longer than 15 minutes in the system
- do not clean the system with water hotter than 40 °C
- ZIEGRA cannot give recommendations other than our own approved sanitiser as to which antibacterial agents are used, since we can not guarantee the antibacterial effect on the specific bacteria.

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Cleaning procedure:

1) Switch off machine and disconnect water and electrical supply.
2) Remove panels.
3) Machine compartment:

- Use a soft brush to clean the condenser fins.
- Use a dry or moist cloth to wipe off dust and dirt from base plate and all components in the machine compartment. If necessary use gentle de-greasing product to remove any grease, oil or other foreign matter. Do not use aggressive products or excessive water.

4) Water circuit:
- Flush water supply hose with Ziegra sanitiser.

Internal water filter:
- ZBE 30 - 1.200: Remove inline strainer mesh at connection of water supply hose to machine. Clean strainer mesh with Ziegra sanitiser and put back into place.
- UBE 1.500 upwards: open water filter inside the machine; rinse filter with clean water then clean filter and body with Ziegra sanitiser.
- Open water chamber, clean chamber and body of float valve carefully with a soft cloth and Ziegra sanitiser.
- Disconnect ice tube / hose and water separator at the ice outlet; clean all parts with mild detergent, then with Ziegra sanitiser.
- Disconnect hoses from water chamber to freezing unit; flush with detergent. In case of lime scale use ZIEGRA cleaning agent, fill hoses for about 15 minutes and drain off cleaning solution. In case of strong layers of lime scale, it can be broken and removed by bending the hoses and flushing them. Once clean, soak the hoses in sanitiser for10 minutes.
- Alternatively water chamber and / or hoses can be replaced with new parts available from ZIEGRA if cleaning proves too difficult.
- Clean freezing unit according to operating manual. If mechanical cleaning of the freezing unit should prove to be necessary, call ZIEGRA to arrange for an engineers visit.

5) Storage bin:
Clean storage bin with warm soapy water, rinse then wipe with a soft cloth and Ziegra sanitiser. Ensure the water drain is cleaned by flushing with warm soapy water then wipe thoroughly with sanitiser.
6) Put all parts back in place. Connect machine to water and electricity. Switch on machine, discard all ice produced for 15 minutes after restart then re-test ice.

Repeat procedure if necessary.