

## Ice Maker Checklist- 53 point check



Below is a list of minimum checks that a Henderson Biomedical engineer will perform during a service visit. This list is intended as a guide and is not exhaustive. Indeed, there may be other checks that the engineer carries out. Please note that some of the checks listed below cannot be performed on every type of ice maker.

Checks should be completed in order, initially with the power and water off, panels removed and ice bin empty.

### Visual inspection of the instrument and accessories

General inspection of the instrument

*Check for signs of damage to the casing and abnormal noises*

### Initial checks

- Check machine and bin is level
- Check drain pipes are secure, with sufficient fall and leak free
- Check drain is trapped and vented to prevent backflow
- Remove and clean water valve filter strainer. Refit
- Clean condenser and air filters
- Tighten/check compressor and fan mountings
- Clean compressor area and fan blades
- Check condenser fan rotates freely
- Check interior water pipes for signs of leaks, repair as necessary
- Check bin control arm is secure or bulb is secure
- Check all nylon thumbscrews are in place on machine and bin
- Check machine for signs of corrosion

### Electrical

- Visually check internal wiring, tidy where necessary with ties
- Check no visible damage to plug or external power flex
- Check socket face shows no signs of damage or discolouration
- Check plug for correct wiring (only if not a sealed plug)
- Check plug fuse for correct amperage
- Check/tighten any loose connections in the control box

### Water Filters

- Replace filter cartridges as required (every 12 months)
- Open water supply and activate cartridges via flush valve
- Check Flush valve fully closed and not leaking to drain
- Date cartridges with NEXT CHANGE DATE (12 months after date of fitting) with permanent marker

### Cleaning

- Replace as necessary any internal pipes
- Thoroughly clean the water circuit with Ice Machine Cleaner
- Drop bin baffle to ensure all areas are de-scaled
- Check pump out valve seat and spring in good condition
- Rinse/flush with fresh water
- Sanitise the water circuit and rinse

Sanitise the bin, rinse, flush the drains

Refit the bin baffle

### **Run Check**

Run machine in ice making mode and check operation of all components

Check water distribution tubes or spray plate are free from floating debris

Ensure water reservoir overflows on defrost cycle

Check bin control operates to stop machine

Discard first batch of ice

### **General housekeeping**

Ensure moving parts are cleaned and lubricated

Ensure all nuts and bolts are properly secured

Clean instrument

Remove all expired and unnecessary labels. Remove adhesive deposits using label remover

Ensure that Henderson Biomedical Service and Support sticker is placed somewhere visible on the instrument

Complete service/calibration label sticker with date, serial number and engineer's initials

Leave instrument with original programmed settings set by the user (if applicable)

Inform the user of any remedial work and/or potential future problems (if any)

Offer advice and/or tips on prolonging the life of the instrument

### **Final Checks**

Ensure all components running free of vibration

Refrigerant access caps (Schrader valves) should be tight and leak free

Ensure plumbing is leak free

Check any fitted drain pumps operational

Make sure all air filters are clean and re-fitted

Confirm all panels clean and fitted correctly

Verify bin door is working and gasket fitted

Advise user to regularly clean the bin