

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