

R S L

Refreshment Systems Ltd.

Cleaning Guide

Bag & Overstrom B3 (Elite)



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This cleaning guide is for **advice only**

Please refer to the operative manual for complete safety information and instruction when considering any maintenance on the machine.

Sanitisation Guide

Direct Chill Water Coolers

Turn off incoming mains water, briefly press dispense button(s) to release internal water pressure from the machine and remove filter. If possible temporarily shut off inlet to any hot tank as sanitisation of a hot tank in continuous use is unnecessary.

Add 100 ml of a proprietary sanitisation fluid to a clean and empty service filter cartridge/dosing device and connect into machine. Always ensure to use a reputable branded sanitisation fluid for effective action.

Please note: We recommend using a 3% Hydrogen Peroxide concentration base sanitising fluid of reputable manufacture to the appropriate dilution ratios as supplied with the product or typically 1:30 max. (Stronger concentrations will require larger dilution rates).

Please remember that most sanitisation fluids (including ozone) contain an active caustic/alkaline agent. Always use responsibly and with care remembering that due to its alkaline nature unnecessary concentrated/prolonged contact with any materials, including metals, can cause damage. Always rinse all contact surfaces after use with clean water.

Turn on incoming water, allow service cartridge/doser to fill and then draw off at least 1 litre of water for the machine to ingest the solution. Leave solution for 10 minutes inside machine for sanitisation to take effect. During this time thoroughly clean the machine externally. For this we recommend the use of proprietary disposable sanitisation wipes. Pay particular attention to the dispense faucet and the push button controls. Remember to include the drip tray. If a Waste Overflow System is fitted, this may benefit from flushing through with a small amount of dilute sanitisation fluid. Optionally you may replace the dispense faucet and/or descale it.

After a satisfactory period of time, flush the machine with at least 10 litres of clean water to clear any trace of the sanitisation fluid. Optionally use test strips to check.

Turn off water and remove the service filter/doser and fit a new filter of reputable quality and suited to the site conditions. We recommend pre-flushing the new filter to reduce any risk of any loose media in the filter entering the solenoid valves and possibly causing a malfunction. Retain the service cartridge/doser for reuse.

Turn on incoming water supply and carefully ensure the thorough sanitising of the outside of the machine is completed. Reconnect power and reset any service/filter life monitors accordingly. Ensure any hot tank inlet is reconnected and the tank is purged of air before switching heater on again.

ALWAYS ENSURE ANY RESIDUAL AIR HAS BEEN PURGED FROM BOTH COLD AND HOT SYSTEMS AND ALL IS OPERATIONAL BEFORE LEAVING.

Sanitisation Guide

Reservoir Water Coolers

Please make sure that the machine has both been switched off and disconnected from the electrical supply and that the water is turned off, use the dispense valves (and drain point if fitted) to drain off all the water, before any cleaning commences.

The lid of both the machine and the tank should be removed exposing the inside of the water tank. Remove the baffle plate found in the centre of the tank. Any lime scale or mineral deposits should first be removed by manual scrubbing with a non-metallic sponge-scouring pad. For stubborn deposits, most domestic brand stainless steel cleaners can also be used.

Please insert a small stopper into the feed for the hot tank to prevent any sanitisation fluid entering the hot tank.

If using a service dosing cartridge, please now go straight to no 4. At this stage it is possible to see whether any water has been left in the base of the tank, 100ml of sanitising fluid can now be tipped into the reservoir. (We recommend a hydrogen peroxide base sanitising fluid of reputable manufacture using the dilution ratios as supplied with the product.)

Remove the existing filter and install a filter head to suit the service cartridge if necessary. Empty 100ml of sanitisation fluid into the service cartridge and connect the cartridge to the filter head.

The water can be turned on again briefly to half fill the reservoir, forming a sanitising solution. The upper half of the reservoir should be cleaned with sanitisation wipes. Leave for 10 minutes to effect sanitisation, whilst the sanitisation solution is having its effect, please fully clean the external casing with sanitisation wipes, ensuring particular attention is paid to the faucets. Once the sanitisation fluid has been left for a satisfactory period of time please flush the water cooler through at least once with clean water.

When this has been completed, the machine can be reassembled and your sanitisation is complete. Always remember to replace the filter(s) with the appropriate type(s). (Retain service/dosing cartridges for reuse.) Please now switch the power back on.

Ozonation is another alternative, but not a recommended method, as we believe the opportunity should always be taken to inspect the machine internally, remove any scale or mineral build-ups and take interventive action where appropriate.

ALWAYS PURGE AIR FROM THE COLD AND HOT SYSTEM BEFORE SWITCHING POWER ON AGAIN.

Descaling Guide

Reservoir Model

Scale deposits will occur whenever water is heated. Higher deposits will occur with harder water and higher temperatures. Although scale deposits can be reduced through using softened water this is not necessarily desirable due to the adverse effect on taste. Therefore, it is important that descaling is carried out regularly to maintain the high efficiency of operation of your appliance.

The frequency of descaling depends on the hardness of the water and the intensity of usage in each case. At least every 12 months is highly recommended. Although it is primarily the Hot Tank (Water Heater) that requires descaling, it is also necessary to sometimes carry out some in the cold tank.

Please note: Descaling is to remove the inevitable build up of limescale and should not be confused with sanitisation, which is a different procedure for maintaining the necessary hygiene standards for drinking water.

1. Switch off the power and water supply. Drain off water, including Hot Tank. It may be beneficial at this stage to flush through the hot tank with clean water to remove as much loose scale as possible if the tank appears particularly scaled up.
2. Carefully fill a suitable pouring jug with approx 2 ½ litres of hot water and add the correct amount of descaler relevant to the enclosed instructions for safe and effective use.
3. Remove the Top Cover from the appliance (and the lid covering the cold tank on later models). Carefully remove the Float Valve and Baffle Plate from the Cold Tank.
4. Slowly pour the descaling solution into the Cold Tank. This will drain directly into the Hot Tank. Continue to add the solution until it also just begins to fill the Cold Tank too. Leave the solution to react with the limescale as directed.
5. Should limescale be present in Cold Tank, carefully treat the areas concerned using the same solution. Also, treat any removed parts such as the Float Valve, after checking the directions for use for compatibility. Similarly, if the outlet dispense valves need treatment, dispense a little solution to draw it into the dispense valves. Examine the small black rubber water stop seal on the Float Valve for any damage or wear and replace if necessary. **DO NOT ROTATE THE SEAL IF IT IS NOT BEING REPLACED AS THIS COULD AFFECT ITS WATER SEAL SEATING AND ALLOW SEEPAGE.**
6. After an appropriate time, carefully scrub any surface scale to remove it taking care not to damage the part. If scrubbing of the inside of the dispense valves is required, remove the Front Panel of the appliance and carefully dismantle the dispense valves by unscrewing the ring under the lever and then drawing the lever mechanism upwards out of the body. **N.B. Before removing the dispense valves, drain off any remaining solution in the cold tank.**
7. Reassemble any removed parts as necessary and flush appliance through thoroughly with mains water as directed (Carry out sanitisation procedure at this point if desired).
8. Finally, allow appliance to refill, check for any leaks and switch on power supply.