



No: SIB0657R-2 (RE-commissioning)

Date: 27/05/2020

## Eschmann Decontamination Equipment. RE-commissioning of Equipment

Where a practice RE-commissions a piece of Eschmann Decontamination Equipment, that was previously decommissioned to SIB0657D, please follow the guidance below before processing instruments for use on patients;

*Note; we would recommend that recommissioning of the majority of this equipment is conducted a day or more before you aim to re-open your Practice, the RO System about 2 weeks before you re-open, this ensures that everything is then working correctly prior to you official re-opening.*

### **RO Systems**

We advise for the RO system that this re-commissioning is conducted 2-weeks before you aim to re-open your practice. There will be time taken for the system to fill, flush the water through the system, and fill the Tank/s, and then we advise the use of a DIP Slide (takes 7-days for results) to prove that there is no contamination within the system. *Note; this DIP Slide (part no. ROS878056) is available from us on a free of charge basis, just call or email and we will post it with detailed instructions.*

- a) As the system may have been dormant for some time, we advise that you wear the appropriate PPE, such as disposable gloves, face mask & eye protection when you conduct this flushing process and when taking the DIP Slide Test.
- b) Turn ON the water tap connection to the machine.
- c) Turn ON the mains electrical supply, also the UV Lamp if fitted.
- d) The machine will start to fill the Tank and pressurise the system.
- e) Check immediately for any leaks, as the machine has been dormant for some time.
- f) Each system can take different times to completely fill, due to many factors, such as mains water pressure, size or numbers of tanks, so it is difficult to say a particular filling time.
- g) However, times could range between 1.5 to 6 hours to completely fill the system twice, and during this time it is worth periodically checking for any Leaks.
- h) Once the system & tanks are fully filled, you know this as when filling if you touch the Tank it is gently vibrating, when full it is not vibrating, then drain down the Tank/s completely using both the Pistol Trigger and Swan Neck taps, if you have both and dispose of all the water, this helps to fully flush the system and taps.
- i) Allow the Tank/s re-fill again completely.
- j) During this re-filling stage, clean the nozzles of the Pistol Trigger and Swan Neck taps (if you have both), using a fresh Cleaning & Disinfection wipe.
- k) Once the system & tanks are fully filled, you know this as when filling if you touch the Tank it is gently vibrating, when full it is not vibrating, then drain off 1 litre of water from the delivery tap, and immediately dispose of this.
- l) Then take your normal PPM readings as per the Eschmann Weekly Test Report.
- m) Also conduct the DIP Slide Test that you received from us, Instructions will be enclosed, then store it in a draw for 7 days, then review the results as per the instructions. If you require any interpretation of the results, then please email us with an in-focus photograph of the DIP Slide.
- n) **Important:** If the DIP Slide fails, do not use your RO System, call us and we will arrange to attend site and conduct a sanitization of your system.
- o) Where a RO System cannot be used, as it has failed the DIP slide test, then we would advise that you purchase some Deionised Water (battery top-up water) for the time being, we would recommend Halfords water as this is knowingly acceptable. This quality of water is acceptable until we can visit and sanitize your RO System.

Where you have any issues with the RO System, please call for telephone support in the first instance, so we can help you try and get up and running as soon as possible.

### **Printers/Loggers.**

Re-connect to the mains electrical supply, and turn the power & device ON.

### **Autoclaves**

- a) Check your RO System first, as this requires testing to prove that it is acceptable for use, please refer to the section above before continuing.
- b) Plug the machine back into the mains electrical supply, and turn ON the machine.
- c) Remove the Reservoir Lid and fill the Reservoir with water quality with a conductivity of under 15 $\mu$ /S (7ppm).
- d) Refit the Reservoir Lid, and drain off approx. 100ml to flush out the drain tube (dispose of drained water).
- e) Using a Cleaning & Disinfection Wipe, clean the Door Seal & mating chamber face.
- f) **Non-vacuum machines only (N type):**
  - i. Place the Eschmann TST Indicator (Test Device, part no. 8793547) onto a tray in the centre of the Chamber.

- ii. Run the normal 134°C cycle.
  - iii. Once cycle complete, remove the TST strip and check that it has changed to the appropriate colour.
  - iv. Conduct your other normal Daily & Weekly checks.
  - v. If all of the above is working normally without any issues, then you can proceed to use normally.
- g) Vacuum machines only (B type):
- i. With the machine cold/cool, run the T1 Leak Test (*if the machine is hot this test is likely to fail*).
  - ii. Then immediately run a T2 Air Detector Test.
  - iii. Then Place the Eschmann Helix Device (part no. 8793436) onto a tray in the centre of the Chamber (otherwise to be empty), and then run the T3 cycle.
  - iv. Once cycle complete, remove the Helix strip and check that it has changed to the appropriate colour.
  - v. Conduct your other normal Daily & Weekly checks.
  - vi. If all of the above is working normally without any issues, then you can proceed to use normally.
- h) SHS800 only (S type):
- i. The Waste Reservoir is separate for the main machine, check that this is empty and connected correctly via the tube to the back of the machine. If not fitted correctly, or removed, then exhaust steam/water will not be captured by the Waste Reservoir.
  - ii. The water quality for this machine has to be a maximum of 10 µS (5ppm).
  - iii. Place the Eschmann SHS800 Test Device (part no. 8710824) onto the basket in the Chamber (otherwise to be empty).
  - iv. Run the normal 134°C handpiece cycle.
  - v. Once cycle complete, remove the TST strip and check that it has changed to the appropriate colour.
  - vi. Conduct your other normal Daily & Weekly checks.
  - vii. If all of the above is working normally without any issues, then you can proceed to use normally.

Where you have any issues with any of the Autoclaves, please call for telephone support in the first instance, so we can help you try and get up and running as soon as possible.

### Washer Disinfectors (WDs)

#### IWD51 only:

- a) Connect a new ICPS Detergent solution bottle to the WD.
- b) Turn ON the power at the mains electrical supply, and at the machine.
- c) Turn ON all site water connections to the machine.
- d) The machine will show that it is ready to work, however remember, when de-commissioned, water was used to flush out the detergent system. Therefore, you now need to run some cycles to allow the detergent to vent through the system, otherwise instruments cannot be cleaned.
- e) Run two P3 cycles without a load, this will expel any water from the internal tubing, and replace it with the detergent, that is essential for cleaning. This ensures that detergent dispensing is occurring correctly.
- f) If you see a Salt Warning message, then conduct a normal refill of the Salt Container.
- g) Run a third P3 cycle without a load, but this time with the Eschmann Wash Clean strip (part no. 8793193) inside the Eschmann Wash clean basket (part no. 8793228), and locate this onto the rack in the usual position.
- h) Once the cycle has been completed, then check the strip visually to ensure that it is clean, and then swab using the Eschmann Protein Pen (part no. 3371), to ensure that proteins are also removed.
- i) Conduct your other normal Weekly checks.
- j) If all of the above is working normally without any issues, then you can proceed to use normally.

#### C61WDs only:

- a) Connect a new **HIP Ultra** Detergent solution pouch to the WD.
- b) Turn ON the power at the mains electrical supply, and at the machine.
- c) Turn ON all site water connections to the machine.
- d) The machine should automatically pump in the detergent, once the power was restored.
- e) Run a P3 cycle without a load, this will ensure that the remaining internal tubing is filled with detergent. This ensures that detergent dispensing is occurring correctly.
- f) If you see a Salt Warning message, then conduct a normal refill of the Salt Container.
- g) Run a second P3 cycle without a load, but this time with the Eschmann Wash Clean strip (part no. 8793193) inside the Eschmann Wash clean basket (part no. 8793228), and locate this onto the rack in the usual position.
- h) Once the cycle has been completed, then check the strip visually to ensure that it is clean, and then swab using the Eschmann Protein Pen (part no. 3371), to ensure that proteins are also removed.
- i) Conduct your other normal Weekly checks.
- j) If all of the above is working normally without any issues, then you can proceed to use normally.

#### Miele WDs only:

- a) Connect a new 5 litre bottle of MediClean Dental Detergent (marked **BLUE**) to the **BLUE** identified Float Switch (called DOS1).

- b) Connect a new 5 litre bottle of either Neutralizer (marked RED), or Rinse Aid (marked BLACK/YELLOW), to the RED identified Float Switch (Called DOS3). *Note; this depends upon which solution you use, the Neutralizer (marked RED) is called 'Neodisher Z Dental', and the Rinse Aid (marked BLACK/YELLOW) is called 'Neodisher MediKlar Special'.*
- c) Turn ON the power at the mains electrical supply, and at the machine.
- d) Turn ON all site water connections to the machine, some machines could have up to 3 connections (COLD, HOT, RO supply).
- e) Run the DOS Venting process in turn for both DOS1 & DOS3 dosing systems, to expel any water from the internal tubing, and fill the system's tubing with the correct solution. This will need to be conducted twice for each dosing system.
- f) Run a DRAIN Cycle, open the door remove the lower carrier, and wipe away as much chemical solution as possible.
- g) Then run at least 2x RINSE Cycles, if there is still foam within the cabinet then continue to run RINSE cycles.
- h) Then run a Cycle 'A' on the IWD7881 or IWD7891 WDs, or the 'Eschmann Dental' cycle on the PG8581 or PG8591 WDs, without any load. This ensures that detergent dispensing is occurring correctly.
- i) If you see a Salt Warning message, then conduct a normal refill of the Salt Container.
- j) Run a second Cycle 'A' on the IWD7881 or IWD7891 WDs, or the 'Eschmann Dental' cycle on the PG8581 or PG8591 WDs, without a load, but this time with the Eschmann Wash Clean strip (part no. 8793193) inside the Eschmann Wash clean basket (part no. 8793228), and locate this onto the rack in the usual position.
- k) Once the cycle has been completed, then check the strip visually to ensure that it is clean, and then swab using the Eschmann Protein Pen (part no. 3371), to ensure that proteins are also removed.
- l) Conduct your other normal Weekly checks.
- m) If all of the above is working normally without any issues, then you can proceed to use normally.

Where you have any issues with any of the Washer Disinfectors, please call for telephone support in the first instance, so we can help you try and get up and running as soon as possible.

#### **Ultrasonics**

- a) Re-connect to the mains electrical supply.
- b) As normal use, fill the tank with water, and detergent at the correct dilution.
- c) Fit the Basket into the Tank.
- d) Run the machine for 10 minutes, to degas the water, before running the Test Cycle below.
- e) Place the Eschmann Cleaning Test strip (part no. 090.004.0073) into its Holder (part no. 090.004.0072) and then into the empty basket, and run a Test Cycle.
- f) Once the cycle is complete, remove the Cleaning Strip and ensure that indicator area shows a PASS.

#### **Handpiece Care Systems (HCS300)**

- a) Turn ON power at the mains electrical supply and on the machine.
- b) Turn ON site air connection to the machine.
- c) Check that the machine's pressure gauge is set at approx. 4.5barg, if not readjust.
- d) HCS300 Clean Plus only (white coloured machine), place your Test Adapter onto either the first or second position, and run a cycle. After the cycle, check that the solutions have collected at the bottom of the Test Adapter and are above the mark. Then check the Chuck Oiler position with a handpiece.
- e) HCS300 (stainless steel unit), attach your Handpieces to the machine, and run a cycle. Remove Handpieces and then check that the Chuck Oiler position is also functioning.
- f) If this is all working correctly, then you can continue to process Handpieces for patients.

Where you have any issues on any of the products, please call for telephone support in the first instance, so we can help you try and get up and running as soon as possible.

We aim to help & support you through the re-commissioning of your equipment, however if the machine/s were not correctly decommissioned, as we set-out in our de-commissioning document SIB0657D, then it is possible that your equipment may not immediately be operational. For example, this may be caused by encrusted detergent & neutralizing solutions with a WD, or contamination within a RO System. Please call us to discuss how we can help.

If you require any clarification about this bulletin, please contact our Technical Support helpline on 01903 765040 (service@eschmann.co.uk), and all of our advice is published on our Website. www.eschmann.co.uk