
	DOC No: AEU00498	TITLE: CLEAN ROOM - PURITE SYSTEM WATER CHANGE			<b>Advanex Europe Ltd</b> Head Office: Southwell Site Mill Park Way, Southwell Nottinghamshire, UK, NG25 0ET ☎: 00 44 (0) 1636 815555 ☎: 00 44 (0) 1636 817725 Bilborough Site ☎: 00 44 (0) 115 9293931 ☎: 00 44 (0) 115 9295773 Video Conference IP: 80.176.189.113 www.advanexeurope.co.uk general@advanexeurope.co.uk
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## DOCUMENT APPROVAL

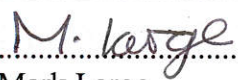
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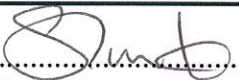
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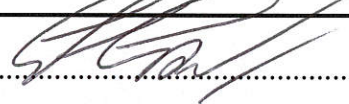
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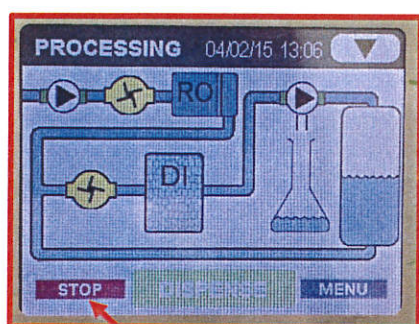
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Red "STOP" Button

Top Up Water Drain Tap,  
see Figure 4: for use



Top up adjuster, see Figure  
5: for more details

Figure 1: Purite System for CR1.

- 6.2.1. **Switch Off Filter Unit.** Switch off the filtration unit at the control panel by pressing the red "STOP" button, as identified in Figure 1:
- 6.2.2. **Source A Bucket.** Source a clean bucket from its storage location.

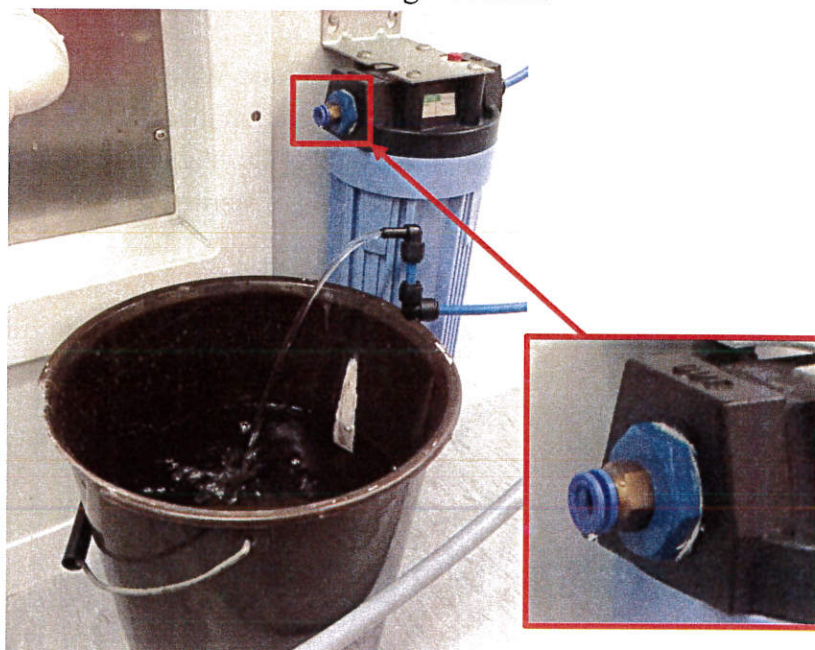



Figure 2: Draining the Ultrasonic Tank, with a zoomed in view of the push fit connector.

- 6.2.3. **Drain Water From Ultrasonic Tank.** With the bucket in place, push the inner collar of the push fit connector to release the hose from the outlet of the 25µm filter, this will start the water draining from the Ultrasonic tank. When the bucket is nearing a full state, the push fit connector is to be replaced into the outlet of the 25µm filter to stop the water flow.



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6.2.9. **Drain the Top Up Water System.** Place the bucket under the drain tap of the water top up system, then lift the tap to start draining. Repeat step 6.2.4 to empty the bucket as required ensuring that the tap is closed whilst the bucket is being emptied.

6.2.10. **Prime the Ultrasonic Wash Tank.** Using approved bottled sterile water to cover the bottom of the Ultrasonic cleaner tank.

6.2.11. **Re-Start Pump.** Switch on the filtration unit at the control panel by pressing the green button that replaces the red “Stop” button, as identified in Figure 1:



Figure 5: Top up adjuster shown a fully open condition, see Figure 1: For location.


6.2.12. **Re-Fill the Ultrasonic Wash Tank.** Once the pump has restarted, fully open the top adjuster as shown in Figure 5: to re-fill the Ultrasonic tank to a level that covers the components that are to be cleaned in the tank.

**Note: The Top Up Water Tank Will Fill It's Self Up Once The Filter System Is Running, The Top Up Water Will Fill Up More Quickly Once The Top Up Adjuster Is Set To The Partially Closed Position.**

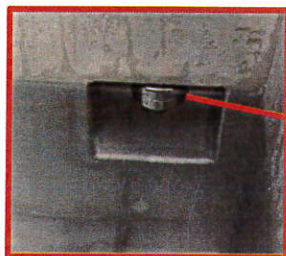
6.2.13. **Adjust Top Up Adjuster.** Once the water level in the Ultrasonic tank has reached the required level, adjust the top up adjust to the partially closed position so that the level in the Ultrasonic tank remains at the required level.

6.2.14. **Continue Task.** Continue the procedure by following the instructions from step 6.4.

### 6.3. Purite System Water Change For CR2.

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- 6.3.3. **Connect Drain Hose.** Connect the drain hose from the drain tap, as shown in Figure 8: and once the cover has been removed from the drain, run the hose to the drain as shown in Figure 7:
- 6.3.4. **Divert Water Flow.** Adjust the tap identified in Figure 8: so that the tap is closed, this is indicated by the tap head being across the pipe.
- 6.3.5. **Switch On Filter Unit.** Switch on the filtration unit at the control panel by pressing the green button, as identified in Figure 6:
- 6.3.6. **Drain the Water.** Using the tap shown in Figure 8: control the flow rate of the water to ensure that the drain does not overflow. Drain the water system until the water flow stops.
- 6.3.7. **Switch Off Filter Unit.** Switch off the filtration unit at the control panel by pressing the red button, as identified in Figure 6:
- 6.3.8. **Clean Ultrasonic Wash Tank.** With the water drained out, using lint free wipes and the approved surface cleaning solution that is currently being used for cleaning the clean room, to ensure that the wash tank is clean and free from any potential biological growths.
- 6.3.9. **Rinse Tank.** Using the water guns for the tank, thoroughly rinse away any remaining cleaning chemicals, and re-dry the tank.
- 6.3.10. **Stop the Water Draining.** Once the Ultrasonic tank has been cleaned close the drain tap and open the divert tap so that the tap head is in line with the pipe work, as shown in Figure 8: remove the drain hose and return it to storage location.



Fill water to at least the level shown

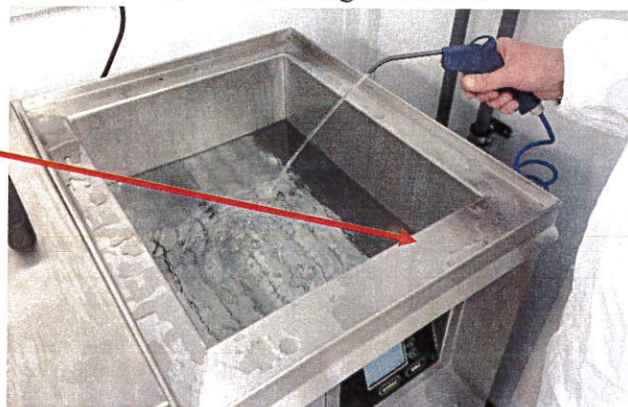


Figure 9: Re-filling the Ultrasonic wash tank with fresh water.

- 6.3.11. **Re-Fill the Ultrasonic Wash Tank.** Replaced the drained water with fresh deionised water using the top up guns through the Ultrasonic baths until the water sensor is covered as shown in Figure 9:
- 6.3.12. **Re-Start Pump.** Switch on the filtration unit at the control panel by pressing the green button, as identified in Figure 6: Once the pump has restarted continue the procedure by following instructions from step 6.4.
- 6.4. **Task Completion.**
- 6.4.1. **Check Water Levels.** Once the pump has re-started check the water levels in the Ultrasonic wash baths and top up as required.
- 6.4.2. **Record Activity.** Record on Cleanroom Activity Log (Document Number AEU00496).