

# CRITICOOL® MINI WATER CIRCUIT DISINFECTION INSTRUCTIONS





1. REQUIRED TOOLS FOR DISINFECTION		2. DISINFECTION FREQUENCY	
A.	CritiCool® MINI Disinfection Kit (P/N 405-00021) includes:		Prior to First Use
	2-Connector Bypass Tube	P/N 200-00181	At Least Once Every 3 Months
	Temperature Simulator	P/N 017-00245	
B.	PPE (Personal Protective Equipment) per the NaDCC tablet manufacturer's instructions.		Before Long-Term Storage (>3 Months)
C.			Sodium Dichloroisocyanurate (NaDCC) tablets in the recommended concentration (As indicated in Table 1)
			
D.	Hospital-grade disinfecting wipes		<p><b>NOTE:</b> Disinfection can be performed more frequently if the hospital protocol dictates.</p> <p><b>NOTE:</b> If a patient, clinician, or biomatter comes in contact with the water circuit disinfect immediately after.</p>
E.	Sterile water / 0.22µm filtered water (approximately 2 Liters total) <b>NOTE:</b> Do not use de-ionized water or water created through reverse osmosis as it may promote corrosion of the metal components of the system.		

Table 1		
Tablets needed to achieve at least a 5382 ppm concentration of NaDCC		
PurTabs® (3.3g)	Klorsept® 17 (3.4g)	Aquatabs® (1.67g)
6 Tablets per 1 L of water	6 Tablets per 1 L of water	6 Tablets per 1 L of water

3. DEVICE PREPARATION AND DISINFECTION	
A.	 <p>Ensure the device is powered OFF. Check the water tank level. Add room temperature sterile or 0.22µm filtered water until the water level is approximately 1.5 cm from the top of the fill indicator to ensure the machine has 1 L.</p> <p><b>NOTE:</b> Alternatively, you can prepare this disinfection solution in a separate container per the NaDCC tablet manufacturer's instructions.</p>
B.	<p><b>PPE Required</b></p> <p>Use the appropriate PPE per the NaDCC tablet manufacturer's instructions for use.</p>


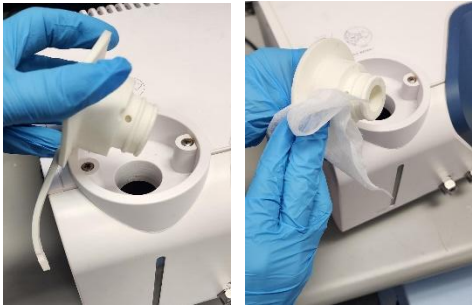




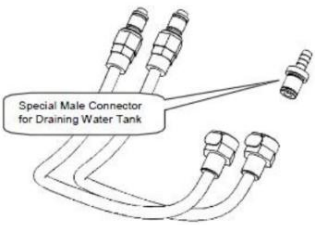
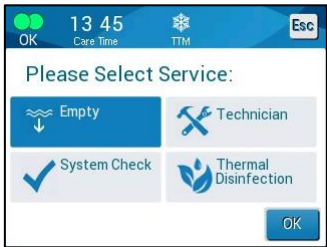

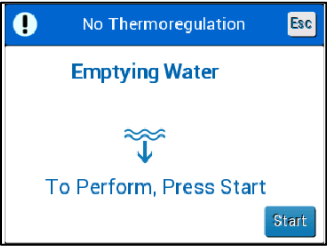
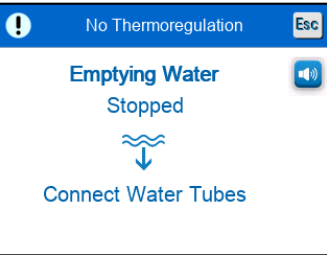

	Add NaDCC	Remove the cap from the device's water tank. Procure the appropriate NaDCC tablets and add 6 tablets to the device's water tank per <i>Table 1</i> .  <b>NOTE:</b> Do not disinfect the water circuit near the area of care.
		Allow the tablets to dissolve for 15 minutes. While tablets are dissolving, perform the remaining steps in Step C.  <b>NOTE:</b> Do not leave the dissolved tablet solution stagnant in the device's water tank for more than 20 minutes.
C.	2-Connector Bypass	 <p>Wipe clean the cap with hospital-grade disinfecting wipes, then reattach the cap.</p>
	 P/N 200-00181	
D.	Plug in the device, power it ON, and allow the Self-Test to complete.	
E.		Select and operate the device in Normothermia mode. Set the patient setpoint to 37°C.
F.		Plug the temperature simulator (P/N 017-00245) into the Core temperature socket on the front of the device and set it to 36.0°C ±0.3 by turning the dial and watching the display.
G.		Allow the solution to circulate for 5 minutes (minimum) to 6 minutes (maximum) to disinfect the device's water circuit.  Place the device into Stand-by mode once completed.
H.	Remove the bypass tube assembly from the connected blue hose set. Drain the solution from the device's water tank following the instructions in <i>Table 2</i> . Dispose of the cleaning solution per hospital protocol.	
I.	Flush Cycle	Proceed to Section 4 "Flush Cycle" to complete the disinfection and cleaning procedure.





Table 2

EMPTYING THE WATER TANK

A.	<p>IF A WRAP IS CONNECTED: In an area away from patient care, with the system powered off, tightly clamp and then disconnect the wrap from the connecting water tubes. Dispose of the wrap.</p>	
B.	 <p>Special Male Connector for Draining Water Tank</p>	<p>Connect a male draining connector to the "water out" side of the connecting water tubes and direct the tube into a bucket or sink for water collection. (see image in step E in Table 2)</p> <p><b>Note:</b> Dispose of the cleaning solution per hospital protocol.</p> <p>Power ON the system.</p>
C.		<p>Choose Empty on the main screen or navigate to Empty by touching the Menu icon , then selecting Services, then Empty.</p>
D.		<p>Press OK. The following screen appears.</p> <p>When you are ready for the process to begin, press Start.</p>
E.		<p>If the "Connect Water Tubes" error message appears, it indicates that the male draining connector is connected to Water In, not Water Out.</p> <div data-bbox="597 1255 943 1507">  </div> <p>The Water Out socket is indicated by the blue indicator with an arrow pointed down.</p>
<p>To resolve the error, press Esc on the screen. Disconnect each connecting water tube at the machine end, then reconnect in the reverse way. Now the male draining connector should be connected to the tube inserted into Water Out. When done, follow the prior steps once more to continue emptying.</p> <p>When the water has been emptied completely, a message appears stating that the device is now empty.</p>		

## 4. FLUSH CYCLE

**NOTE:** Device **MUST** be flushed. If the device is not flushed, damage to the device's internal components may occur.

A.		<p>Refill the device with 1 L of sterile or 0.22µm filtered water (no NaDCC).</p>	
B.		<p>Reconnect the bypass tube assembly to the blue hoses still connected to the device.</p>	
C.			<p>Place the device back into Normothermia mode with the temperature simulator still set to 36.0°C ±0.3. Allow the water to circulate for at least 5 minutes before placing the device in Stand-by mode.</p>
D.	<p>Remove the bypass tube assembly from the connected blue hose set. Drain the solution from the device's water tank following the instructions per <i>Table 2</i>.</p> <p>Refill the device with 1.2 L of room temperature sterile or 0.22µm filtered water if returning to use or leave tank empty if moving to storage.</p>		
E.	<p>Power OFF the device, unplug it and disconnect the blue hoses. Disconnect and store the temperature simulator (P/N 017-00245).</p>		

**DEVICE IS NOW READY FOR STORAGE OR NEXT PATIENT**

**NOTE:** This document does not replace the requirement to read the entire device user manual. For complete operations, maintenance and cleaning instructions, please refer to the device user manual.



TECHNICAL SUPPORT  
 USA: 855.397.4547  
 WORLDWIDE: +1.978.663.0212  
 TECHSUPPORT@BELMONTMEDTECH.COM  
 WWW.BELMONTMEDTECH.COM