


CRITICOOL® WATER CIRCUIT DISINFECTION INSTRUCTIONS


1. REQUIRED TOOLS FOR DISINFECTION	
A.	Temperature Management Disinfection Kit (P/N 405-00015) includes:
	2-Connector Bypass Tube P/N 200-00181
	3-Connector Bypass Tube P/N 200-00098
	Temperature Simulator P/N 017-00245
B.	PPE (Personal Protective Equipment) per the NaDCC tablet manufacturer's instructions.
C.	 <p>Sodium Dichloroisocyanurate (NaDCC) tablets in the recommended concentration (As indicated in Table 1)</p>
D.	Hospital-grade disinfecting wipes
E.	<p>Sterile water / 0.22µm filtered water (approximately 12 Liters total)</p> <p>NOTE: Do not use de-ionized water or water created through reverse osmosis as it may promote corrosion of the metal components of the system.</p>

2. DISINFECTION FREQUENCY
Prior to First Use
At Least Once Every 3 Months
Before Long-Term Storage (>3 Months)
Before Use Following Long Term Storage of >3 Months

NOTE: Disinfection can be performed more frequently if the hospital protocol dictates.

NOTE: If a patient, clinician, or biomatter comes in contact with the water circuit disinfect immediately after.

Table 1		
Tablets needed to achieve at least a 5382 ppm concentration of NaDCC		
PurTabs® (13.1g)	Klorsept® 87 (17.4g)	Aquatabs® (8.68g)
8 Tablets per 6 L of water	7 Tablets per 6 L of water	7 Tablets per 6 L of water

3. DEVICE PREPARATION AND DISINFECTION	
A.	 <p>Ensure the device is powered OFF. Check the water tank level. If the water level is below the lower red line, add room temperature sterile or 0.22µm filtered water until the water level is between the 2 red arrows to ensure the machine has 6 L.</p> <p>NOTE: Alternatively, you can prepare this disinfection solution in a separate container per the NaDCC tablet manufacturer's instructions.</p>
B.	<p>PPE Required</p> <p>Use the appropriate PPE per the NaDCC tablet manufacturer's instructions for use.</p>
	<p>Add NaDCC</p> <p>Remove the cap, chain, and anchor ring from the device's water tank.</p> <p>Procure the appropriate NaDCC tablets and add the correct number to the device's water tank per Table 1</p> <p>NOTE: Do not disinfect water circuit near the area of care.</p>









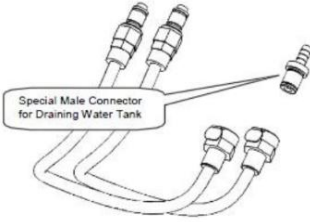
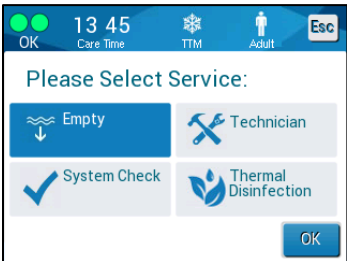

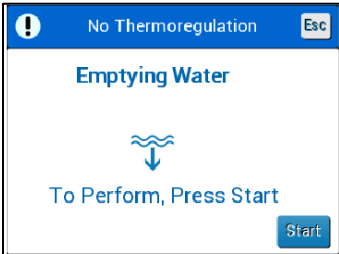
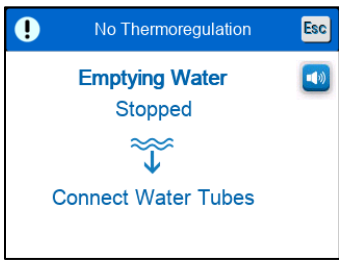

C.				<p>Allow the tablets to dissolve for 15 minutes.</p> <p>While tablets are dissolving, perform the remaining steps in Step C.</p> <p>NOTE: Do not leave the dissolved tablet solution stagnant in the device's water tank for more than 20 minutes.</p>
		<p>Wipe clean the cap, chain, and anchor ring with hospital-grade disinfecting wipes, then reattach the cap, chain, and anchor ring.</p>		
	<p>2-Connector P/N 200-00181</p> 	<p>3-Connector P/N 200-00098</p> 	<p>Connect the blue hoses (P/N 200-00109) to the 2-connector bypass tube assembly (P/N 200-00181). Connect the other ends of the blue hoses to the device.</p> <p>NOTE: If you have blue hoses with 3 connectors on one end (P/N 200-00147), use the 3-connector bypass tube assembly (P/N 200-00098).</p>	
D.	<p>Plug in the device, power it ON, and allow the Self-Test to complete.</p>			
E.		<p>Select and operate the device in Normothermia mode. Set the patient setpoint to 37°C.</p>		
F.		<p>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.</p>		
G.		<p>Allow the solution to circulate for 5 minutes (minimum) to 6 minutes (maximum) to disinfect the device's water circuit.</p> <p>Place the device into Stand-by mode once completed.</p>		
H.	<p>If you have a second set of blue hoses, disconnect the current set and attach the second set using the appropriate bypass tube assembly. Repeat Steps E – G.</p>			
I.	<p>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.</p>			
J.	<p>Flush Cycle</p>	<p>Proceed to Section 4 "Flush Cycle" to complete the disinfection and cleaning procedure.</p>		


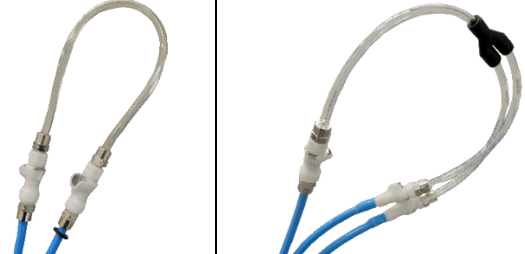


Table 2

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>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. <i>(see image in step E in Table 2)</i></p> <p>Note: 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>
		<p>The Water Out socket is indicated by the gray indicator with an arrow pointed down.</p>
<p>To resolve, 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 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.		Refill the device with 6 L of sterile or 0.22µm filtered water (no NaDCC).
B.		Reconnect the appropriate bypass tube assembly to the blue hoses still connected to the device.
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.	If you have a second set of blue hoses, disconnect the current set and attach the second set and appropriate bypass tube assembly. Repeat Step C.	
E.	<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 6 L of room temperature sterile or 0.22µm filtered water if returning to use or leave tank empty if moving to storage.</p>	
F.	Power OFF the device, unplug it and disconnect the blue hoses. Disconnect and store the temperature simulator (P/N 017-00245).	

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.



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