



NEGATIVE PRESSURE WOUND THERAPY TRAINING

PRODUCT TRAINING: Level 300



Goals for Training

- Knowledge Assessment
- Review of the Nisus
- Pressurization of the Wound
- Block Alarm
- Leak Alarm
- Canister Full Alarm
- Battery Alarm
- Hydrophobic Membrane
- Dam Design
- Factory Admin Menu
- Dressing Kits
- Questions



Review of the Nisus

- Powerful
- Portable
- Continuum of Care



Pressurization of the Wound

- The pump has an internal pressure sensor to monitor the system's pressure
- Factory default setting for pressure tolerance is 10 mm/hg
- The pump will pressurize the system, once the pressure sensor detects 10 mm/hg drop from set point
- The pump will pressurize the system back to 2-3 mm/hg of set point
- If the pump over shoots target pressure, an internal bleed off valve opens and bleeds systems back to 2-3 mm/hg of set point
- Ex: If the pump is set at 125 mm/hg, when the pressure of the system falls below 115 mm/hg, the pump pressurizes the system back to 125 mm/hg (+/-3 mm/hg)



Block Alarm

- The factory default is set at 5 minutes
- This alarm can be muted and turned off
- The pump detects a block alarm, when the pump does not pressurize the wound for the determined amount of time
- Ex: The pump does not pressurize the wound for 5 minutes, this means the pump does not kick on, a blockage alarm will occur
- This means that the system did not bleed down 10 mm/hg, remember the pump pressurization the system when the pressure falls 10 mm/hg of set point
- On most cases all dressings will bleed 10 mm/hg through the semi-permeable drape
- Discuss later, but we thought of this and have an amazing feature to adjust any unforeseen scenarios!!!



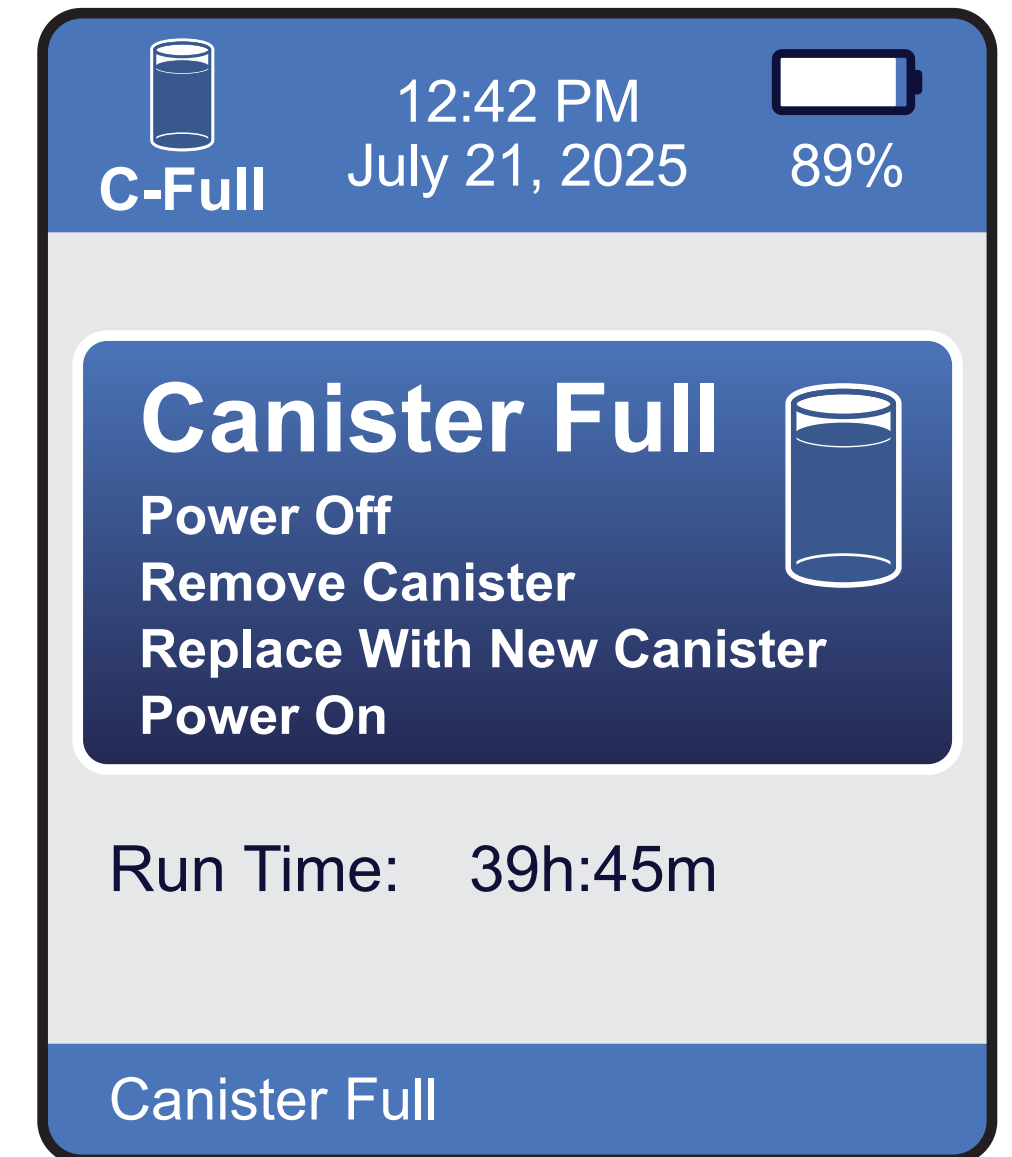
Leak Alarm

- The factory default is 20
- This alarm can be muted and turned off
- This alarm occurs when the pressure does not reach within 20 mm/hg of set point within 1 minute
- Ex. If pressure setting is set at 125 mm/hg and within one minute, the pump does not achieve a pressure of least 105, the leak alarm will occur



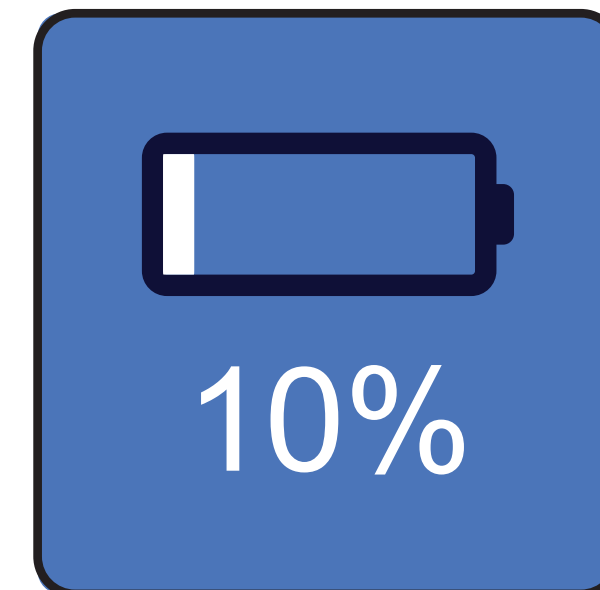
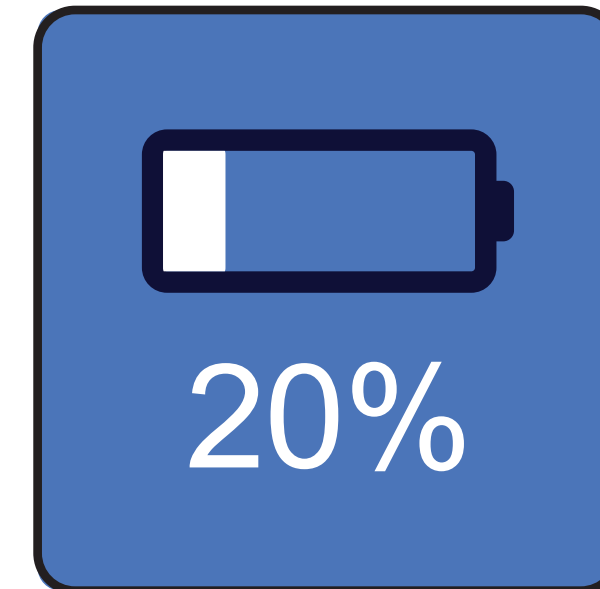
Canister Full

- This alarm can't be silenced nor muted
- The canister full alarm is detected by a pressure spike
- The only way to rectify a canister full alarm is to power off pump, remove old canister, place new canister, and power back on
- Our pump turns off the pump (not the screen) when a canister full is detected
- Our pump goes one step further by bleeding the pressure off of the system



Battery Alarm

- Two battery alarms
- Neither one can be turned off
- Between 11%-20% battery life, it will alarm low battery and beep every 5 minutes, like a smoke detector
- When the battery life drops below 11%, the pump alarms continuously and must be plugged into AC power at this time



Hydrophobic Membrane

- Hydrophobic membrane prevents fluid from egressing into the pump
- Most hydrophobic membranes cause a significant flow restriction
- The Nisus' hydrophobic membrane is revolutionary design that only causes a slight flow restriction, this allows the pump to deliver a volume of flow.



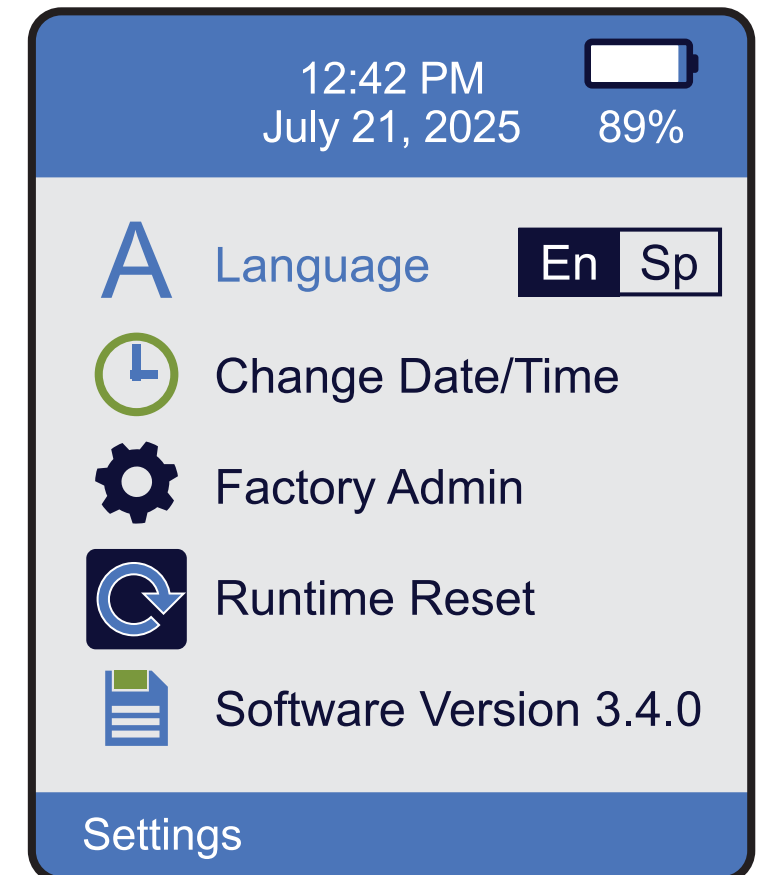
Dam Design

- Patent pending design
- Helps prevent false canister full alarms
- Protects the hydrophobic membrane
- Mouse maze design under the dam, goes one step further of protecting the membrane from false fluid egress




Factory Administration

- Allows the clinician the ability to customize settings to fit any unique situations
- The factory admin menu is under the settings icon
- The code to access the menu is pressing the following buttons in sequence:
 - **Up** Arrow, **Down** Arrow, **Left** Arrow, **Right** Arrow, **Up** Arrow, and **Down** Arrow
- Press menu/select after passcode is entered



Factory Administration

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July 21, 2025 89%

USB	<input checked="" type="checkbox"/> On <input type="checkbox"/> Off
Current mmHg	<input checked="" type="checkbox"/> On <input type="checkbox"/> Off
Log Write	<input checked="" type="checkbox"/> On <input type="checkbox"/> Off
Pressure Tol	10
Leak Tol	20
Block Delay	7
Intensity	75
Log Reset	

Admin Set



Factory Administration

- USB should always be off unless loading new software
- Current mm/hg can be turned off. This real time reading will not show in the therapy menu
- Log write can be turned off
- Pressure tolerance, this means the at what point will the pump turn back on to pressurize the system
- Leak tolerance, at what point will the system recognize a leak alarm
- Block delay, at what point will the system recognize a blockage alarm
- Intensity, this can increase or decrease the power of the pump
- Log reset, this resets the alarm log





Questions & Discussion