

Patient Safety Alert

Date: March 26, 2024

To: All Clinical Care Staff, Anesthesiologists

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Health Services Integration and Quality

Re: **B Braun Infusomat Pumps and SpaceStations Alarm Volume Settings**

This alert is to share the importance of checking the alarm volume setting on the B Braun Infusomat pumps and the SpaceCover when SpaceStations are in use.

Situation

Patient safety events have occurred due to pump or SpaceStation alarm volume settings being low and inaudible.

Background

- The last alarm volume setting used on a pump or a SpaceStation is saved when the device is shut off; **it does not return to the default setting when turned back on**. For example, if alarm sound is lowered to 1 and the pump or SpaceStation is shut off, the next time it is powered on the alarm sound is still programmed at level 1.
- SpaceStations act as a central station and the SpaceCover is the communication display for visual and audible alarms when pumps are inserted correctly in the station.
- When individual pumps are placed in the SpaceStation the volume settings of ALL pumps are controlled by the SpaceCover volume setting. For example, if the pump alarm volume is at highest setting but the SpaceStation is set on volume setting 1, alarm volume is heard at level 1.
- Pumps not correctly inserted into the SpaceStation will alarm separately and therefore attention to alarm volumes is required to mitigate risk of not hearing the alarm.

Assessment

Infusomat Pumps and SpaceStation alarm volume settings are being set at levels less than 5 for various clinical settings/scenarios. Care providers/clinicians at transition of care or upon new initiation of IV therapy with pumps may not be reviewing alarm volume settings. This is a patient safety risk if clinicians are not aware of low alarm volume settings.

Recommendations in Collaboration with Provincial Clinical Practice Leadership includes:

- Review pump or SpaceStation alarm settings at the beginning of your shift, at points of transition of care or at the initiation of IV therapy.

To review the pump alarm setting:

Go to the Home Screen, scroll to and select options.

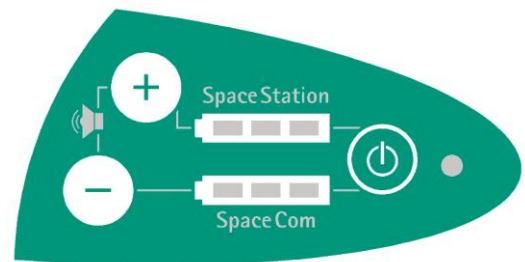
Alarm **VOL** is the 3rd selection from the top.



To review alarm setting on the SpaceStation you need to follow the directions to adjust the volume below.



SpaceStations can only be used with SpaceCover in place. Control buttons including volume control is found on side of the cover.



Press “+” or “-“buttons to adjust 4 steps of volume settings, every press is followed by high beep signal with new loudness tone. If the max or min setting is reached, you’ll hear a deep beep.

- Alarm volume settings are required to be at highest level acceptable for your clinical environment. A reference point is the default setting for Manitoba pumps is level 5 for alarm volume
- Communicate alarm volume settings at point of care transitions.
- Visually confirm the rotary knobs of individual pumps are in a horizontal position, this indicates pumps are inserted correctly into the SpaceStation.

Installing a pump into station – ensure rotary knob is in vertical position, engage guide grooves of the pump to guide rails and gently push pump into station. Pump automatically locks into station and side rotary knob should be in horizontal position.



Reminder- Submitting patient safety events/occurrences and Product Complaint forms are making a difference. Without these types of communication, assumptions are made that issues involving B Braun pumps have resolved

Thank you for your attention to this safety matter and please reach out to your clinical practice leads (for example, nurse educator) if you have any questions or suggestions.