

For Small Battery Drive II (SBDII) Li-ion battery (532.103)

# STERRAD<sup>®</sup> and V-PRO<sup>®</sup> Systems Sterilization Guide



## 1. Preparation Prior to Reprocessing

- Before cleaning, remove all instruments and attachments from the power tool. Remove the battery casing from the handpiece and then remove the battery from the battery casing.
- Inspect battery for cracks or damage.

**Note:** Take care not to spray the contacts or touch both contacts at the same time with the damp cloth due to danger of short circuiting. Do not immerse batteries into water or clean them in a washer/disinfector.

## 2. Cleaning and Disinfecting

- A. To clean the battery, wipe it off with a clean, soft, and lint-free cloth dampened with deionized water and dry prior to processing.
- B. To disinfect the battery, wipe it off with a clean, soft and lint-free cloth dampened with a minimum of 70% alcohol-based disinfectant for thirty (30) seconds. A disinfectant that is VAH listed, EPA registered or locally recognized is recommended. This step has to be repeated two (2) additional times using a new, clean, soft and lint-free cloth dampened with a minimum 70% alcohol-based disinfectant each time. Follow the instructions provided by the manufacturer of the disinfectant.

## 3. Charging<sup>1</sup>

- Place the battery into the Universal Battery Charger II<sup>2</sup> (05.001.204).
- Charge the battery. When the green LED illuminates, the battery is fully charged.
- Upon completion of charging the battery, wipe the battery with a minimum 70% alcohol-based disinfectant prior to wrapping and labeling.

## 4. Wrapping and Labeling

The batteries can either be wrapped or peel pouched. Follow the instructions for wrapping and labeling with the STERRAD Systems provided by Advanced Sterilization Products or with the V-PRO Systems provided by STERIS.

## 5. Sterilization

- Process the battery in the STERRAD or V-PRO Systems following the instructions provided by the legal manufacturer Advanced Sterilization Products or STERIS.
- The Small Battery Drive II Li-Ion battery (532.103) has been validated with the following:

### STERRAD and V-PRO Systems and Cycles

**STERRAD<sup>®</sup> 50**

**STERRAD<sup>®</sup> 200** Short cycle

**STERRAD<sup>®</sup> 100S** Short cycle

**STERRAD<sup>®</sup> NX<sup>®</sup>** Standard cycle

**STERRAD<sup>®</sup> 100NX<sup>®</sup>** Standard cycle

**V-PRO<sup>®</sup> 1** Lumen Cycle

**V-PRO<sup>®</sup> 1** Plus Lumen Cycle, Non Lumen Cycle

**V-PRO<sup>®</sup> maX** Lumen Cycle, Non Lumen Cycle, Flexible Cycle

**V-PRO<sup>®</sup> 60** Lumen Cycle, Non Lumen Cycle

**Note:** No other sterilization methods are allowed.

## 6. Storage and Use<sup>3</sup>

- Battery can be used immediately or stored in accordance with hospital's procedures.
- Rotate stock and recharge unused batteries, as necessary.
- Compared to nickel based batteries the self-discharge rate of the Small Battery Drive II Li-Ion battery is less than half during storage<sup>4</sup>.

### Warning:

- **Never expose batteries to temperature over 60°C/140°F. The maximum exposure time at 60°C/140°F is 72 hours.**
- **Do not dismantle, open, or shred batteries.**
- **Do not leave the battery empty of charge as this will reduce its lifetime or damage the battery.**
- **Only sterilize batteries (532.103) with a lot number of 140318 or higher in STERRAD or V-PRO Systems.**

## 7. STERRAD or V-PRO Sterilized Battery Insertion

- The scrubbed person performs all of the steps according to Figure 1–8.
- If the sterile battery casing is not opened, press the central button to unlock (Fig. 1), turn lid sideways (90°) as indicated by the arrow (Fig. 2) and pull to open (Fig. 3). Leave the locking mechanism swung outward.
- Insert the sterile battery into the battery casing (Fig. 4) and press it completely into the battery casing to ensure a correct seat (Fig. 5).
- Close the battery casing (Fig. 6), turn the lid sideways (90°) until it clicks (Fig. 7).
- Insert the battery pack into the Small Battery Drive II handpiece (Fig. 8).

After usage, remove the battery casing from the handpiece and open the lid. The circulating person then removes the battery. Ensure that the battery does not touch the exterior of the battery casing to avoid contaminating the battery. Put the battery immediately in the charger.

### Notes:

- Ensure that the STERRAD or V-PRO sterilized battery does not come into contact with any liquids or other substances whilst being inserted.
- For detailed information please refer to the User Manual for the Small Battery Drive II.
- Following the introduction of the STERRAD or V-PRO sterilization methods, the markings on Small Battery Drive II Li-Ion batteries (532.103) have been changed, including replacing “DO NOT STERILIZE” with “DO NOT AUTOCLAVE MAX. 60°C / 140°F”. However, all Small Battery Drive II Li-Ion batteries (532.103) with a lot number of 140318 (indicated on the top of the battery) or higher can be STERRAD or V-PRO sterilized regardless of their markings.

Note: For additional information, please refer to the package insert or [www.e-ifu.com](http://www.e-ifu.com).

For detailed cleaning and sterilization instructions, please refer to [www.depuySynthes.com/hcp/cleaning-sterilization](http://www.depuySynthes.com/hcp/cleaning-sterilization) or sterilization instructions, if provided in the instructions for use.



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4528 Zuchwil, Switzerland

To order (USA): 800-523-0322  
To order (Canada): 844-243-4321

Note: For recognized manufacturer, refer to the product label.

[www.depuySynthes.com](http://www.depuySynthes.com)

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Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8

Some devices listed in this technique guide may not have been licensed in accordance with Canadian law and may not be for sale in Canada. Please contact your sales consultant for items approved for sale in Canada.

STERRAD® is a registered trademark of Advanced Sterilization Products (ASP).

V-PRO® is a registered trademark of STERIS Corporation.

For full user instructions and precautions please consult the product User Manual. Please contact your DePuy Synthes sales representative for more information.

All surgical techniques are available as PDF files at [www.e-ifu.com](http://www.e-ifu.com)

1. Universal Battery Charger II with firmware version 11.0 or higher is required to charge Small Battery Drive II Li-ion batteries.
2. For detailed information on the Universal Battery Charger II, please refer to the Instructions for Use for the Universal Battery Charger II.
3. For detailed information regarding Storage and Use, please refer to the User Manual for Small Battery Drive II.
4. DePuy Synthes. Internal Design Report 2017 Ref. 000267178.