

# UL-Approved Autoclavable Battery Enclosure



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MATERIAL **AvaSpire® PAEK**

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MANUFACTURER **ConMed Linvatec**

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LOCATION Largo, Florida, USA

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APPLICATION Hall® Lithium Battery System for  
Powered Surgical Tools

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STATUS Commercial

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**SPECIALTY  
POLYMERS**

## Application Highlights

- Industry's first UL-approved autoclavable battery
- Powers surgical tools for reconstructive orthopedic procedures
- Provides nearly twice the power of standard batteries\* for uninterrupted use
- Can be immediately autoclaved with other instruments in a single tray
- 25 % lighter than standard batteries\*
- Uses acceptable materials for recyclability

\*Compared to Linvatec's Standard Large Nicad Battery PRO3011

## Why AvaSpire® PAEK?

- Withstands repeated autoclave cycles (134 °C/275 °F)
- Compatible with aggressive hospital cleaners and disinfectants
- High strength, ductility and impact resistance
- UL 94 V0 flammability rating at 0.8 mm

“AvaSpire® PAEK provides excellent performance in this innovative new battery system and its unique combination of properties sets it apart from competitive materials.”

— Mike DeCesare, R&D Engineer,  
ConMed Linvatec

**Spire**<sup>®</sup>  
ULTRA POLYMERS

## About ConMed Linvatec

ConMed Linvatec, based in Largo, Fla., is a developer and manufacturer of medical devices and disposable products. A global market share leader in arthroscopy and orthopedic-powered instruments, over the years ConMed Linvatec has expanded its product lines to include ENT and Neuro-Powered instruments as well as multi-specialty endoscopy systems.

Orthopedic surgeons use ConMed Linvatec arthroscopic instrumentation, implants, fixation and tissue repair systems with brand names that include Linvatec and Shutt<sup>®</sup>, for diagnostic purposes, minor surgeries, and complex reconstructions of knees, shoulders, and small joints such as the wrist and ankle. The famous Hall<sup>®</sup> Surgical line of powered surgical instrumentation featuring the PowerPro<sup>®</sup> system and a comprehensive line of accessories all remain the standard of care in oral/maxillofacial, otolaryngology, podiatry, thoracic, hand and neurosurgery.

For more information, visit [www.conmed.com](http://www.conmed.com).

## About Solvay Specialty Polymers

Solvay Specialty Polymers is a leading global supplier of high-performance thermoplastics for implantable and non-implantable medical devices. Solvay is building on its 25-year history as a reliable material supplier to the healthcare industry, devoting considerable new resources to help customers be more efficient, reduce costs and grow globally.

Metal-to-plastic replacement remains a key focus for manufacturers, but increased cost pressures pose a new challenge as the global market continues to grow at a double-digit pace. Solvay also continues to devote considerable research and development activities to polymer technology and commercialization of new and unique material options for medical device manufacturers and processors.

Learn more at [solvayspecialtypolymers.com](http://solvayspecialtypolymers.com).

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

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