

TECHNICAL DATA SHEET

CONCEPT AIR BATTERY PACK



DESCRIPTION

The ConceptAir R23BLI battery pack has been designed for use with the ConceptAir powered respirator. The battery is extremely durable, rugged and robust to operate in the most aggressive industrial environment and applications.

The battery case is moulded with tough ABS/Polycarbonate material which is ultrasonically welded to ensure the integrity of the battery pack and offers extreme durability. It is attached to the ConceptAir power unit via a simple double clip mechanism which ensures a solid mechanical and electrical contact. The battery pack has a built in short circuit protection system to ensure maximum safety.

The R23BLI battery pack will typically power the ConceptAir powered respirators for 8-9 hours*. The battery pack can be charged using the ConceptAir Intelligent battery charger (R23BCLI) via a socket at the rear.

* Duration of battery is dependent on a number of factors such as temperature, charge, age, physical condition of PAPR, type and condition of filter and type of headpiece used.



SPECIFICATION

Product Code	R23BLI
Nominal output voltage	7.4V
Weight	380g
Dimensions	H = 70mm x L = 163mm x D = 75mm
Battery Duration	8-9 hours (dependent on condition of filter and PAPR)
For use with	ConceptAir Power Unit


MATERIALS

Battery cells	Lithium-Ion (Li-Ion)
Battery Casing	ABS/Polycarbonate
Battery Clips	ABS/Polycarbonate

EUROPEAN STANDARDS

Product Code	Certified to EN 12941	Certified to RoHS
R23BLI	✓	✓

STORAGE AND MAINTENANCE

Storage	<p>The battery pack should be stored in a clean dry atmosphere within the temperature range +5 °C to +55 °C at R.H. < 90% in its original packaging. It should be protected from direct sunlight and any material known to damage plastics, e.g. petrol and solvent vapours. Equipment should be transported in the original packaging. If stored in correct conditions the product has a 5-year shelf life.</p>
Lifetime	<p>The battery is rated for 500 discharge / recharge cycles</p>
Cleaning	<p>Clean using warm soapy water and a soft cloth. Do not allow any liquids to enter the electrical contacts. Do not immerse the battery. Disinfection: The products may be cleaned using a $\geq 1\%$ to $< 2.5\%$ Sodium Hypochlorite (NaOCl) and/or Sodium Hydroxide (NaOH) solution in order to disinfect and prevent cross contamination. Prolonged exposure to bleaches is not recommended. The products are not suitable for cleaning by Autoclave process. Compatible branded cleaning/disinfection agents includes Distel (manufactured by Tristel Solutions Ltd) at a dilution of 1:10 in accordance with manufacturer's recommendations. Take care to ensure electrical contacts are dry before use.</p>
Disposal	<p>Consult a transportation specialist for any requirements or limitations prior to transporting lithium ion battery packs. Dispose of lithium ion battery packs according to local environmental regulations. Do not crush, disassemble, dispose of in standard waste bins, in a fire or send for incineration. Failure to properly dispose of battery packs may lead to environmental contamination, fire or explosion.</p> <p> WEEE: THESE PRODUCTS SHOULD NOT BE DISPOSED OF IN GENERAL MUNICIPAL WASTE</p> <ol style="list-style-type: none">1. The crossed-out wheeled bin symbol, with the solid bar, shown on this product, its packaging or instructions indicates that the product has been manufactured after 13/8/05 and is subject to European Community directive 2002/96/EC, issued 27/1/03, on correct handling of Waste Electronic and Electrical Equipment (WEEE).2. WEEE cannot be disposed of as municipal waste and must be collected and disposed of separately. Appropriate public or private waste collection systems defined by national and local regulations should be used.3. The product may contain substances which could harm the environment or human health if disposed of incorrectly.