



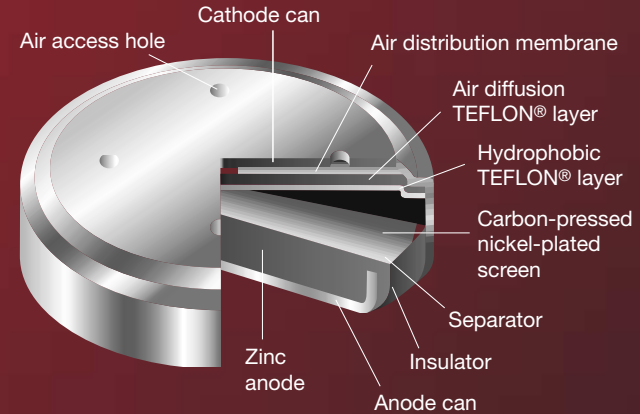
The Activair guide to zinc air battery performance.

Activair®

Zinc air batteries are similar to the more common cylindrical alkaline battery in that they both use similar components in zinc and potassium hydroxide.

Where a zinc air battery differs is that it utilises the oxygen in the earth's atmosphere as the active cathode material, which is the positive terminal of the battery.

This unique design allows for a miniature, high energy density battery which delivers constant power while in use. These three characteristics are what makes this technology so suitable to the hearing instrument industry.



A typical Activair® zinc air cell is shown with the major components labelled for reference.

Activair® products are designed to power a broad range of hearing instrument types, including high power, low power, digital and analogue products. Activair by Duracell® builds on the zinc air technology benefits through innovative packaging and colour coding to simplify product selection and use. Duracell has been manufacturing and distributing zinc air batteries to the hearing instrument industry and consumers for more than 20 years, offering easier consumer usage, long life and premium quality.

The purpose of this guide

With this guide, Activair by Duracell clearly outlines the different zinc air battery features, the tests used to measure these features, and also interprets their effect on hearing instrument performance.

The results cover the different types of hearing instruments available, whose varying levels of power, frequency response and size govern the type of battery required:

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