

The Green Report

Harmful biocides eliminated

Lab Armor has worked hard to eliminate the need for many of the germicides that are a common part of water bath maintenance. Take, for example, liquid disinfectants used in water baths. Most contain antibiotic, algaecide, and fungicide compounds. These environmentally harmful germicides can accumulate in the water table from disposal during regular maintenance. Bead Baths are dry and periodic decontamination with a biodegradable, earth-friendly disinfectant, such as 70% EtOH is usually all that is required to keep most unwanted microbes away.

Highly recyclable

Beads are formed from ultrapure solid, recyclable metal. The material is very desirable to recyclers, which means the raw material used in Bath Armor™ Beads can be reused in other products.

More energy efficient

Beads can transform a water bath into a smarter instrument that uses less electricity. For instance, water constantly evaporates during water bath operation. As water evaporates it cools. Due to this evaporative-cooling effect, the bath must heat more frequently, which increases energy consumption. A water bath uses over 4X less energy when set to 65 °C and over 2X less energy at 37 °C. Plus, a bead bath provides more constant temperature and fewer temperature fluxuations during operation than a water bath.