



Nutrient Delivery System

Natick, Massachusetts

Problem: Soldiers on-the-go have a difficult time eating enough. Warm water and/or residual chlorine impart bad taste to water, causing poor hydration. Soldiers like to consume sports beverages but adding them to a Personal Hydration System (PHS) can cause it to grow mold and bacteria quickly. The PHS can be difficult to clean, and has a high replacement cost.

Nutrient Delivery System, is a simple add-on to the PHS that provides nutrition on-the-move. Soldiers have on-demand access to a beverage mixed to their current personal taste. This system eliminates cumbersome mixing.



Good-tasting fluids can be consumed versus bad-tasting water and plain water is always available.

NDS is easy to clean and sanitize and reduces contamination of water line or reservoir (reduced replacement costs).

Entire system is lightweight (~25g) and efficient. A 100 ml beverage concentrate bag will make about 1 liter of sports drink (smaller logistical footprint).

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