

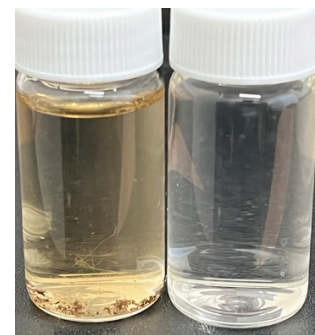
Heating/Hydrating Combat Ration (HHYCOR)

U.S. Patent Nos. 7,846,332, 8,062,528 & 8,603,337

Mainstream's Heating/Hydrating Combat Ration (HHYCOR) heats and purifies water for the reconstitution of freeze-dried meals such as the **Meal, Cold Weather (MCW)** or for the preparation of **hot drinks/beverages**.

Key Features

- ▶ Eliminates the need for a portable stove
- ▶ Contains no flammables
- ▶ Prepare hot meals "on-the-go"
- ▶ Removes viruses, bacteria and cysts
- ▶ Single-use & multi-use disposable variants



Retention
Pond

HHYCOR
Purified

Multi-use Unit

Single-use Unit



HHYCOR Value-Added Features

Lightens the Load

Eliminates the need to carry a stove, fuel, or water purifier. The HHYCOR device is lightweight and packable with flexible packaging that weighs just ounces.

Mobility and Stealth

Prepares hot meals while on the move without an open flame that might betray position.

Robust Water Purification

Synergistic combination of heat, disinfection and membrane filtration.

No Iodine Taste

Iodine, as a chemical disinfectant, is initially added to the HHYCOR device and is subsequently removed from the resulting purified water.

Ease of Use

No pumping required — heater reaction inflates the pouch to push water through the filter!

Single-use HHYCOR Specifications

Number of uses	1
Volume of water per use	16 oz
Preparation time	30 min
Meal temperature	>140°F (60°C) for ambient temp >20°F (-7°C)
Low temperature	Tested to -15°F (-26°C)
Physical dimensions	10.5 x 7.5 x 1 in (26.7 x 19.1 x 2.5 cm)
Weight	2.4 oz (67.2 g)
Log reductions	6 log (bacteria), 4 log (viruses), 3 log (cysts)

Multi-use HHYCOR Specifications

Number of uses	30+
Volume of water per use	96 oz
Preparation time	<30 min
Meal temperature	>140°F (60°C) for ambient temp >20°F (-7°C)
Low temperature	Designed for -15°F (-26°C)
Physical dimensions	10.5 x 26 x 1 in (26.67 x 66.04 x 2.54 cm)
Weight	25 oz (710 g)
Weight/use (30 uses)	6.4 oz (180 g)
Log reductions	6 log (bacteria), 4 log (viruses), 3 log (cysts)