



Quick Overview

DRD - DISASTER RELIEF DEVICE



Clean Water Renewable Power Sustainability

What is the Hydronamis Disaster Relief Device (DRD)?

The Hydronamis Disaster Relief Device (DRD) is a compact, portable utility station designed to provide critical life-sustaining resources: clean drinking water and renewable power. Built as a fully integrated, all-in-one waterproof system, the DRD combines advanced water purification, solar-generated electricity, and essential support capabilities into a single field-ready platform. Even at the maximum daily water output, the DRD only uses one-third of its solar generated power, leaving the majority of available power for critical devices, communications, and field operations even in harsh environmental conditions.

Engineered for speed and mobility, the DRD is purpose-built for rapid response situations. Its smaller, lightweight design enables rapid air transit, quick deployment, and delivering timely resources to survivors where larger systems struggle to reach. The DRD's are intended to be distributed throughout a vast disaster zone acting as support nodes in remote areas, sustaining large groups or basecamps.

Within seconds of arrival, the DRD is fully operational, ensuring immediate access to vital resources when time is critical. Engineered with a survivor-first mindset, the DRD prioritizes simplicity and accessibility, making it easy to operate by almost anyone, even under high-stress conditions. It is well-suited for humanitarian aid operations supporting underserved communities facing life-long water challenges, while remaining equally effective for disaster response and off-grid living situations.

Key Advantages

Clean Water - Advanced water filtration system transforms contaminated surface water sources including ponds, lakes, oceans, rivers, ditches, floodwater - into clean, potable drinking water. Each unit produces enough daily water output to sustain families, response teams, communities, and large groups. We believe in water purity over quantity, providing medical grade potable water.

Renewable Power - Complete integrated solar generator system provides dependable electricity to run critical equipment, refrigeration, and communication systems, keeping essential operations running when the power grid is compromised.

Rapid Response - A compact, portable platform built for speed and mobility. The DRD is easy to transport and can be quickly deployed in hard-to-reach areas where traditional containerized/trailer systems are unable to access. It supports communities, disaster victims, and first responders during the critical early "golden hours" of a crisis, bringing life-sustaining resources exactly where they're needed.

Sustainability - Engineered for harsh environments and long-term use, this rugged, waterproof system is built for global deployment. The DRD eliminates reliance on fuel, water deliveries, and ongoing supply chain dependencies, making it a viable solution for extended operations where infrastructure is limited, compromised, or nonexistent.

Where the DRD Makes an Impact

The Hydronamis DRD is designed for organizations and environments where access to clean water and reliable power is critical, including:

- Disaster Relief & Emergency Response Teams
- Humanitarian Aid & Clean Water Initiatives
- Hurricane & Natural Disaster Preparedness
- Off-Grid Living & Remote Infrastructure
- Coastal & Island Communities
- Construction & Remote Job Sites
- Camping & Glamping
- Desalination & Water Security Applications
- Military & Defense Operations
- Government & Municipal Emergency Management

Quick Specs

- Purifies Nearby Contaminated Surface Water Sources
- 150 - 450+ Gallons Per Day Output – Brackish Water Model
- 150+ Gallons Per Day Output - Desalination Model
- 9-Stage RO Purification System with UV Sterilizer
- Reusable/Washable Filter Cartridges
- (2) Integrated Clean/Dirty Water Storage Tanks
- All-In-One Turnkey System, Ready in Seconds
- 4 – 6 kWh Solar Generated Power Per Day with External Solar Panel
- 5.4 kWh LiFePO4 Battery Storage
- 9.2 kW of Discharge Potential with External Solar Panel
- 120V or 220-240V Power Options
- (2) Dual 20-Amp In-Use GFCI Receptacles
- IP-66 Rated Waterproof Assembly
- Non-Ferrous Materials (Aluminum, Stainless Steel, Powder Coated)
- Speed & Mobility - Compact, Portable, Lightweight
- 10+ Compatible Support Gear & Accessories
- Transport - Air / Helicopter / Pick-Up Truck / Jon Boat / Drone / Hand Maneuver
- Maintenance Friendly & Easy to Use System
- Two Year Unconditional Warranty
- Made in the USA