

Caripur H2O™ is a Point of Entry, fully self-contained, pressure driven, all membrane water purification unit, capable of removing organic and inorganic micro-pollutants in water. This includes high-molecular-weight substances, colloidal materials, bacteria, cryptosporidium, cysts, viruses, fungi, heavy metals, and pesticides without requiring frequent filter replacement. In addition, the Caripur H2O provides built-in spectral analysis of outgoing water providing UV, visual, near-infrared, and infrared range analysis of water quality with the ability to upload and share the spectral data.

System Includes:

- input, output, purge in, purge out connection points
- multispectral water quality SONDE
- Battery Backup supplying up to 3 hrs. of use
- multiple power sources - A/C, DC, solar
- Automated or app activated backwash capability
- Sheetmetal encasement with bolt down points
- membrane failure detection
- Digital Water Quality SONDE
- External filters

Operational Concepts:

- Point of entry water purification - residential/business
- Auto or semi-automated operation
- multiple flush capabilities
- Can be used as emergency water purifier or permanent water purifier

Options:

- External bladder tank

Certifications:

- All internal membranes are made in the USA in ISO 9001:2008 certified facilities certified.
- UF membranes are NSF 16 certified
- When used nanofiltration membranes are NSF16 certified

SONDE analytic Technique (measurements)

- Total Organic Carbon (TOC)
- Chemical Oxygen Demand (COD)
- Spectral Absorption Coefficient (UV254)



Microbial removal capabilities:

Exceeds 2-log removal of Cryptosporidium oocysts

Exceeds 3-log removal or inactivation of Giardia cysts

Exceeds 4-log removal or inactivation of viruses (Membrane Dependent)

