

BahaCan

AUTHORIZED DISTRIBUTOR

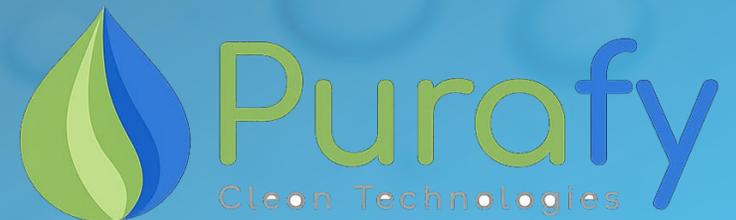
Portable Water Filtration for the Caribbean

Purafy Portage - Advanced Graphene Filtration Technology

Quality, Innovation & Service



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Comprehensive guide to Purafy Portage water filtration solutions

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About

BahaCan

Your Trusted Supply Chain Partner

BahaCan is a **Bahamian-Canadian supply chain solutions company** specializing in electrical, lumber, and water treatment systems for the Caribbean market. We represent a select group of high -quality manufacturers from Canada.

Our partners are chosen not only for the performance of their products, but for the way they operate. They follow best -practice manufacturing standards, operate ethically, and maintain a strong focus on environmental responsibility and carbon footprint reduction.

As the authorized distributor for Purafy in the Caribbean

we bring cutting -edge water filtration technology to your communities and projects.

Our Values

- ✓ **Quality**
Premium products that exceed expectations
- ✓ **Innovation**
Cutting -edge technology and solutions
- ✓ **Service**
Dedicated support and expertise
- ✓ **Sustainability**
Environmental responsibility focus

Contact Information

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Clean Technology Innovators

Pioneering graphene -based water filtration solutions for a sustainable future

28

Patents Held

2022

Year Launched

1st

Graphene Certified

NSF

Certified

Revolutionary Water Filtration Technology

Purafy Clean Technologies is a clean technology company dedicated to addressing global water challenges through innovative and advanced water filtration solutions.

Launched in **January 2022 in Kingston, Ontario, Canada** , Purafy is at the forefront of utilizing cutting -edge materials, specifically graphene, to develop high -efficiency filtration systems.

Purafy is the **first company to commercialize and use certified graphene -based materials** for drinking water applications.



NSF International Certification

Graphene oxide -based materials certified for drinking water



Proprietary Technology

Removes heavy metals, chemicals, and pesticides while maintaining essential minerals



The Global Water Challenge



50%

of world's population will live in water -stressed areas by 2025

Source: World Health Organization



5X

Increase in weather disasters over 50 years



29%

Increase in drought conditions globally

“

“The world is at a crossroads” in drought management - United Nations

Critical Water Issues

- 1 Natural & Humanitarian Disasters**
Interrupting fragile supply of safe drinking water worldwide
- 2 Wildfire Impact**
Severe water quality issues from soil erosion, flooding, and debris
- 3 Boil-Water Advisories**
Continue to plague regions across Canada and worldwide
- 4 Caribbean Vulnerability**
Hurricanes, storms, and infrastructure disruptions cutting off clean water access



The Solution: Portable, reliable water filtration systems like Portage provide immediate access to clean drinking water when and where it's needed most.



Introducing Portage



FILTRATION PLANT IN A SUITCASE

One-of-a-Kind Portable Water Filtration & Desalination

The **Portage** is a powerful and compact filtration system that combines **graphene, advanced ultrafiltration (AUF) membranes, conventional water filters, and a built-in pump** to create clean, high-quality drinking water.

This proprietary combination of materials allows the machine to have **greater output flow, use less power, and is significantly more economical** than comparable water purification systems.


300+
 L/hour Flow Rate


225W
 Energy Usage


120kg
 Total Weight

Key Capabilities

-  **Easily Transportable**
Two-box format for rapid deployment
-  **Quick Setup**
9 minutes from drop to drink
-  **Dual Source**
Freshwater and seawater desalination
-  **High Volume Output**
16,200 LPD freshwater production



Ideal Applications

-  Disaster Relief
-  Military Deployments
-  Remote Communities
-  Marine Operations



Portage Specifications

Freshwater Production

16,200

LPD (Liters/Day)

3.0

GPM (Gallons/Min)

Seawater Production

2,200

LPD (Liters/Day)

0.4

GPM (Gallons/Min)

Energy Usage

Freshwater:	225W
Seawater:	500W

Dry Weight

Total:	120 kg
Box 1:	68 kg
Box 2:	52 kg

System Details

- Dimensions**
30" x 26" x 15" (2 boxes) - 23,400 in³ total
- Input Voltage**
AC: 100V-260V, DC: 24V-28V
- Pre-filtration**
Automatic flushing system
- Drop to Drink**
9 minutes first - time use



Certifications

- NSF/ANSI 42**
Aesthetic Effects
- NSF/ANSI/CAN 61**
Drinking Water System Components

Made in Canada with engineering partnership from Modern Niagara



Key Features & Benefits



Graphene-Enhanced Technology

Proprietary graphene oxide biocomposite delivers superior filtration performance, removing heavy metals, chemicals, and pesticides while maintaining essential minerals.

- ✓ First certified graphene technology



Advanced Ultrafiltration (AUF)

Eliminates 99.999999% of viruses and bacteria at 0.01 micron level, providing pharmaceutical -grade water purification.

- ✓ 7-log pathogen reduction



High Flow Rate

Greater output flow than comparable systems at 300+ L/hour, delivering 16,200 liters per day of clean drinking water.

- ✓ 3.0 GPM freshwater output



Energy Efficient

Uses less power than competing systems - runs all day on solar/battery backup with only 225W for freshwater operation.

- ✓ Most efficient in class



Dual Source Capability

Processes both freshwater and seawater (desalination), making it ideal for coastal communities and marine applications.

- ✓ 2,200 LPD seawater output



Portable Design

Rugged 2-box format - a complete filtration plant in a suitcase. Easily transportable and deployable anywhere.

- ✓ 120 kg total weight



Easy to Operate

9-minute "drop to drink" with simple digital interface and fail-safe controls. No specialized training required.

- ✓ User-friendly controls



Automatic Flushing

Proprietary control systems protect the device and optimize performance in real time with automatic back-flushing.

- ✓ Self-maintaining system



Multiple Power Options

AC (100V-260V) or DC (24V -28V) input provides flexibility for various deployment scenarios worldwide.

- ✓ Universal compatibility



How Portage Works



1 Pre-filtration

Automatic flushing system removes larger particles, sediment, and debris from the source water, protecting downstream components.

2 Conventional Filters

Additional particle removal and initial contaminant reduction through certified conventional filtration media.

3 Graphene Oxide

Proprietary technology removes heavy metals, chemicals, pesticides while maintaining essential minerals in the water.

4 Advanced Ultrafiltration (AUF)

The AUF membrane eliminates **99.999999% of viruses and bacteria** at 0.01 micron level, providing pharmaceutical -grade purification.

0.01µm

Filtration Level

7-Log

Pathogen Reduction

Built-in Pump

Integrated pumping system ensures reliable water flow through all filtration stages.

Smart Controls

Digital interface with fail-safe controls and real-time performance optimization.



The Result

Clean, safe drinking water from virtually any source - **freshwater, brackish water, or seawater** - meeting NSF/ANSI standards for drinking water quality.



Applications & Use Cases



Disaster Relief

Immediate water filtration following hurricanes, floods, earthquakes, and other natural disasters.

- ✓ Rapid deployment



Remote Communities

Clean drinking water for communities on boil-water advisories or without reliable infrastructure.

- ✓ Long-term solution



Military Deployments

Tactical water purification for defense and peacekeeping operations in remote locations.

- ✓ Field-ready



Humanitarian Aid

Water security for refugee camps and crisis zones worldwide.

- ✓ Life-saving impact



Emergency Response

Backup water supply for hospitals, shelters, and emergency services.

- ✓ Critical infrastructure



Construction Sites

Safe drinking water for remote construction and infrastructure projects.

- ✓ Worker safety



Marine Applications

Desalination capability for boats, islands, and coastal facilities.

- ✓ Seawater ready



Outdoor Adventures

Clean water for camping, expeditions, and outdoor recreational activities.

- ✓ Portable solution



Agricultural

Water treatment for irrigation and livestock in remote agricultural areas.

- ✓ Farm operations



Industrial

Process water for remote industrial operations and mining sites.

- ✓ Process water



Versatile Solution

The Portage adapts to virtually any scenario requiring clean, safe drinking water - from disaster zones to remote communities, military operations to marine applications.



Portage vs. The Competition



Flow Rate Comparison (GPM)

3.0

Freshwater

0.42

Freshwater

1.39

Freshwater

0.208

Freshwater

0.4

Seawater

0.42

Seawater

1.04

Seawater

0.208

Seawater

Portage

Parker H2O-Pro

Aspenwater 2000DM

Spectra Aquifer 360

Dry Weight (kg)

Portage 120 kg

Parker 118 kg

Aspenwater 190.5 kg

Spectra 95 kg*

*Much lower output

Energy Usage (W)

Portage Freshwater: 225W

Seawater: 500W

Parker: 400 - 700W

Aspenwater: 900 - 1200W

Spectra: 220W*

*10x lower output

Portage Advantage

- ✓ Highest flow rate in class
- ✓ Most energy efficient operation
- ✓ Lightweight & portable design
- ✓ Graphene technology advantage
- ✓ Lower total cost of ownership

★ Superior user experience at lower total cost of ownership - Portage delivers unmatched performance and value



Caribbean Market Solutions



Caribbean Water Challenges

- Hurricane season disruptions to infrastructure
- Remote island communities with limited access
- Tourism infrastructure water security needs
- Agricultural water requirements
- Coastal desalination needs

BahaCan

Caribbean Support

Local Stock

Inventory maintained in the Caribbean for quick deployment

Technical Support

Local expertise in system operation and maintenance

Project Consulting

Assistance with sizing, placement, and integration

Logistics Management

Efficient shipping and customs clearance

Training Programs

Operation and maintenance training for local teams

After -Sales Support

Warranty service and technical assistance



Emergency Response

Rapid deployment capability for disaster situations when clean water is critical



Why Partner with BahaCan

Benefits of Partnering with BahaCan

- 1 Authorized Distributor**
Direct relationship with Purafy Clean Technologies
- 2 Local Presence**
Caribbean-based support and inventory
- 3 Technical Expertise**
Knowledgeable team for system selection and deployment
- 4 Competitive Pricing**
Volume discounts and favorable terms



Reliable Delivery

Efficient logistics and supply chain management

Complete Service Offering



Training & Support

Comprehensive operation and maintenance training



Emergency Response

Rapid deployment capability when it matters most



Full Service

From quotation to after-sales support



Water Security Expertise

Understanding of Caribbean water challenges

Contact Us Today

Discuss your water filtration requirements and discover how BahaCan and Purafy can provide water security for your communities and projects.



info@bahacandirect.com



Let's Solve Water Together

BahaCan

is your authorized distributor for Purafy Portage in the Caribbean

Contact us to learn more about the Portage system, request a quote, or discuss your specific water filtration requirements



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