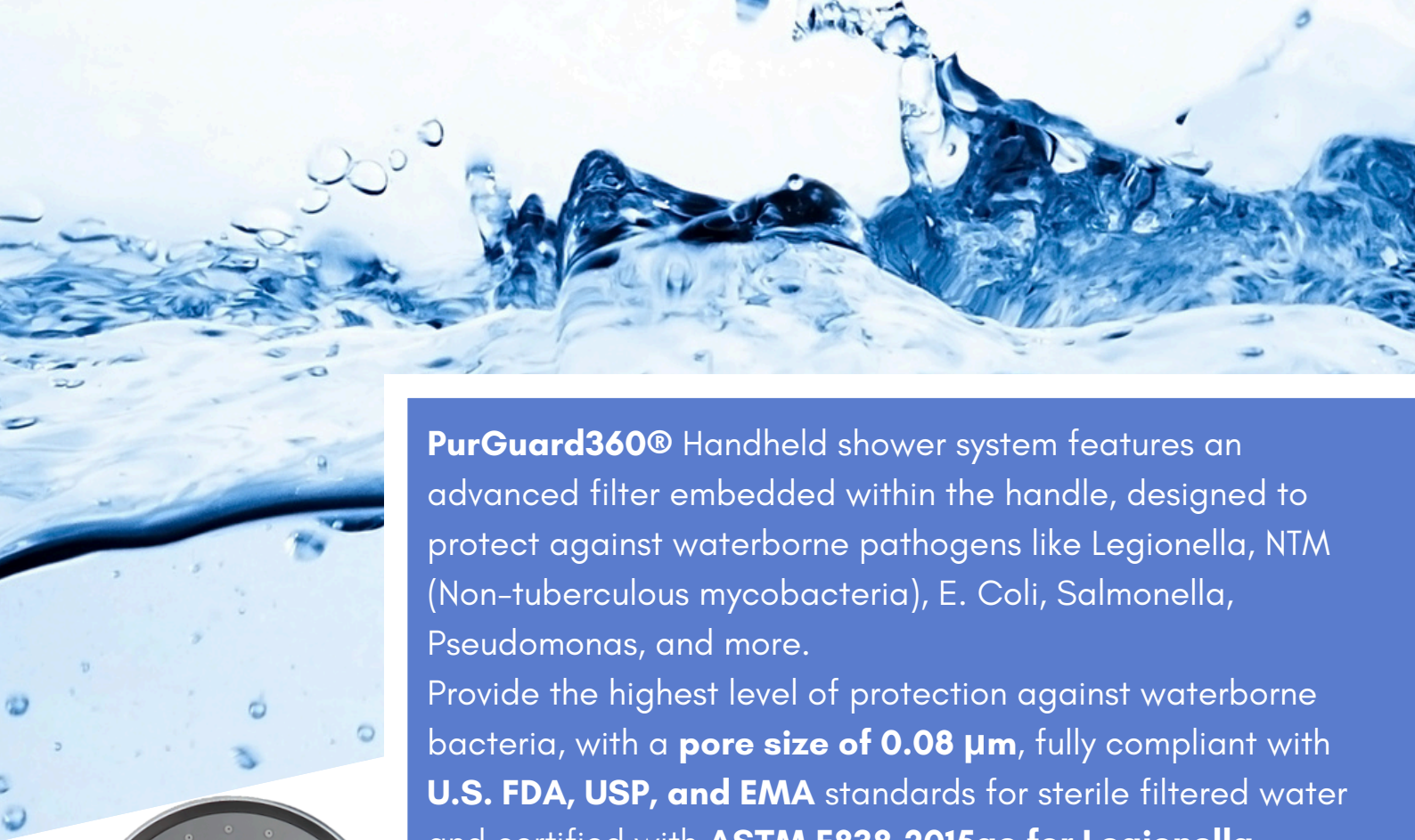


# PurGuard360® Series

Ultra-Filtration Handheld Shower System  
(Anti-Legionella / Bacteria)



Redefining Water Purity



**PurGuard360®** Handheld shower system features an advanced filter embedded within the handle, designed to protect against waterborne pathogens like Legionella, NTM (Non-tuberculous mycobacteria), E. Coli, Salmonella, Pseudomonas, and more.

Provide the highest level of protection against waterborne bacteria, with a **pore size of 0.08 µm**, fully compliant with **U.S. FDA, USP, and EMA** standards for sterile filtered water and certified with **ASTM F838-2015ae for Legionella reduction (Log 8)**. Each filter provides up to 7,000 liters (1,850 gallons) of safe, pure water for a period of up to 150 days, depending on the initial water quality\*.



**PurGuard360®** Handheld shower system is designed not only for sensitive medical care units but also for hotel networks, nursing homes, elderly care facilities, hospices, and even for home and travel use.

It offers 99.999999% protection efficiency from Legionella and other harmful bacteria and viruses in the water.

**PurGuard360®** Handheld shower systems come with our exclusive bacteria-free (Legionella) filter. Designed to fit seamlessly into the shower head's handle, this unique connection ensures that the filter housing forms a watertight seal on the handle, guaranteeing maximum protection and efficiency.

**PurGuard360®** is a certified product by the United States Environmental Protection Agency with **WaterSense** accreditation, recognized for saving water and protecting the environment.

\*Capacity depends on local water conditions, the amount of microparticles (SDI), and pre-filtration. SDI is measured according to ASTM D4189-95. It is recommended that the filter cartridge be replaced after 4 months. The amount of impurities in the water will vary between water systems, so filters will become clogged at different rates.



## FEATURES

- + 0.08 µm sterilizing grade hollow fiber membranes
- + Reusable Anti-Microbial Handheld shower system exchangeable with handle Filter Cartridge
- + Compatible with ADA compliant pause adapter
- + Robust pre-filtration cartridge
- + Tested and complies with P376 + ASSE LEC 2011-2022 *Legionella* reduction standards
- + Tested and Complies with EPA WaterSense & ASTM F838-2015ae

## BENEFITS

- + Highest healthcare safety standards with NSF P376 Certification
- + Retains microorganisms without volume restriction
- + Waste reduction, cost reduction with high performance
- + Complete Anti-Microbial protection embedded throughout the system
- + Integrates with Legionella Water Management Plans

## International standard & reliability tests

Our products are subject to stringent testing processes to align with global standards. Right from the development stage of our water purifiers and filters, we prioritize durability, safety, performance, and functionality.

This commitment is demonstrated through comprehensive reliability testing that conforms to international stress test standards, ensuring our products meet the highest quality criteria.



Instruction For Use (IFU):



Redefining Water Purity

# PRODUCT DETAILS

**Mentor Water Technology Products** are designed with a proactive approach, aiming to achieve an unparalleled standard in water purification. The unique pore size of 0.08 microns prevents any organisms larger than 0.08 microns from passing through the membrane.

Using **medical-grade ABS in combination with Biomaster** material prevents any bacteria or viruses from multiplying, growing, or existing in and on the product.

Thanks to our new membrane technology, they boast a longer lifespan. The handle/filter can be safely replaced, **ensuring 100% security**. Unlike similar handheld showers with exchangeable filters, where contaminated water may flow through the filter, our design prevents this by mounting the membranes directly into the handle.

This innovative method ensures the provision of **7,000 liters / 1,850 gallons and up to 150 days of safe and pure drinking water**, contingent upon the original water quality.



**This product is treated with Biomaster silver biocide tested ISO 22196:2011**

Is the additive effective against antibiotic-resistant bacteria?

**Yes**, Biomaster has been proven effective against antibiotic-resistant bacteria, including resistant *Staphylococcus aureus* (MRSA) and Vancomycin-resistant *Enterococcus* (VRE).



1

Biomaster **binds** to the cell wall  
**disrupting growth**

2

Biomaster ions **interferes** with the enzyme production  
**stopping the cell producing energy**

3

Biomaster **intrerrupts** the cell's DNA  
**preventing replication**



- + **Tested** to ISO standards
- + **Inhibits** growth of microbes by up to **99.99%**
- + **Reduces** the risk of cross-contamination
- + **Protection** that lasts for the lifetime of the product
- + **FDA & EPA** approval



# TECHNICAL CHARACTERISTICS



## Sterilization and Quality Assurance

Utilizing (by request) filter materials that have been sterilized and rigorously tested in accordance with the standards set forth by ISO 9001:2008. Additionally, our products are certified as CE Marked medical devices under EN ISO 13485:2003 & ISO 11137 - 1:2006, ensuring the highest level of quality and safety.



## The PurGuard360 Series offers two models:

1. PurGuard360 (7cm Diameter) - Available in White and Chrome
2. PurGuard360 (15cm Diameter) - Available in White and Chrome, featuring three operating positions: Rain, Normal, and Steam



## Comprehensive Testing

Each product undergoes 100% testing for membrane integrity and leak tightness, affirming our commitment to reliability and performance.



## Durability

Demonstrated physical resilience against temperature fluctuations and chlorine exposure, with a proven performance lifespan of 7,000 liters, / 1,850 gallons up to 150 days, depending on the quality of the source water.





## Filtration Capacity

A substantial filtration area of 3,400cm<sup>2</sup> / 527in<sup>2</sup> (Hollow Fiber) is designed for maximum efficiency and effectiveness in water purification.

Pore Size: 0.08 µm



## Safety and Compliance

Adherence to CE-marked Class 2 standards, underscoring our dedication to safety and regulatory compliance.

- NSF P376 – Bacteria and fungus reduction
- ASSE LEC 2011 – 2022 U.S Water Engineering Association for Bacteria reduction
- ASTM F838-2015ae Legionella reduction Log 8 (99.999999%)
- Complies with EPA WaterSense & ASTM F838-20



## Transparency and Trust

A complete dossier of tests, including comprehensive analyses on Legionella, is readily available, providing transparency and building trust with our clients.



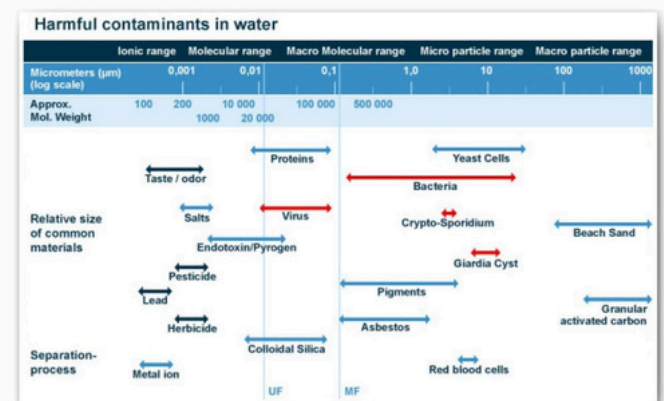
## Efficiency

Achieves a Log 8 – 99.999999% reduction rate in waterborne contaminants, showcasing the exceptional effectiveness of our technology in purifying water to the highest possible standards.

### P376 MICROBIOLOGICAL FILTRATION REQUIREMENTS FOR CHALLENGE ORGANISMS & REDUCTION REQUIREMENTS

ORGANISM	Maximum influent concentration (cfu/L)	Minimum required reduction (%)
<i>Legionella pneumophila</i> ATCC 33152	1 x 10 <sup>11</sup>	99.9999 (6.0 log)
<i>Brevundimonas diminuta</i> ATCC 19146	1 x 10 <sup>11</sup>	99.9999 (6.0 log)
<i>Pseudomonas aeruginosa</i> ATCC 13388	1 x 10 <sup>11</sup>	99.9999 (6.0 log)
<i>Aspergillus fumigatus</i> ATCC 10894	1 x 10 <sup>9</sup>	99.99 (4.0 log)

## Filtration Spectrum:



# ABOUT US

## Redefining Water Purity



Mentor Water Technologies BV, based in the Netherlands, leads in innovative water purification solutions for a sustainable future. Our extensive Research & Development division, where water experts from diverse continents collaborate, drives our commitment to high-quality, accessible, and affordable water purification technologies. Founded by Mentor Capital Holdings BV, a global Dutch investment advisory firm, Mentor Water Technologies benefits from over two decades of international expertise. Our systems are designed for superior efficiency and cost-effectiveness, ensuring exceptional value for our clients.

As a proud member of Mentor Capital Holdings BV, we believe in nurturing relationships through a personal touch, embodied by our employees and distributors worldwide. At Mentor Water Technologies, we provide not only the finest water purification solutions but also unparalleled service to meet your needs.



### Patented Technology

Harnessing exclusive innovations for superior performance



### R&D and Innovative Solutions

We leverage science to develop unique water purification solutions.



### Price Affordability

Creates that you will promote to the target market.



### Simple Setup

Designed for easy installation, requiring no special tools, just simple fitting.



### Certified & tested Equipment

Our equipment is certified at the highest standards through rigorous third-party testing.

