

## Bacteria and UV Protection 10" Filter Housings with BACinix™ Nanosilver Technology with Two O-rings for Cold Water



Protection from Bacteria



Protection from UV 95%



Made in EU

### General Description:

**2 in one Bacteria and Ultraviolet light protection**  
**AQUAFILTER H10B (FHPRx-B-AQ-AB, FHPRx-B1-AQ-AB)**  
series housings - 10" -type filter housings offer the versatility  
to meet all customer filtration needs.

They are all dedicated for cold water on residential and  
commercial applications. **FHPRx-B-AQ-AB, FHPRx-B1-AQ-AB**  
housings are compatible with a broad range of 2 1/2" x 10"  
type cartridges widely available on the market.

**FHPRx-B-AQ-AB, FHPRx-B1-AQ-AB** filter housings consist  
of a green sump and head with brass 1/2", 3/4" and  
1" inlet/outlet inserts and two O-rings (one placed around  
sump thread and the other inside filter head).

Heads are equipped with a pressure relief valve (providing  
ability to release air pressure collected during cartridge  
replacement procedure).

These filter housings have another benefit. Due to the  
utilization of bacteriostatic agent they exhibit bacteriostatic  
properties. This active agent based on silver nanoparticles was  
added during the manufacturing process. It is dispersed evenly  
through the entire housing and inhibiting pathogen growth.  
In combination with bacteriostatic filter cartridges  
**AQUAFILTER FHPRx-B-AQ-AB, FHPRx-B1-AQ-AB** gives  
you the best protection against pathogenic microorganisms  
and the diseases which may cause.

**Additionally UV stabilizer was added so the housings are  
protected from UV radiation (direct sunlight).**

### Features:

- High quality
- Made in EU with High Performance Components
- Utilization of two O-rings ensures maximum leak-proof  
performance.
- FDA CFR Title 21 Compliance
- **BACINIX™** nanosilver technology, providing  
antibacterial protection
- UV Ultraviolet-light resistant
- Competitive Pricing
- Factory Tested
- Domestic and commercial use
- Ideal for POE use
- Maintenance Free -Saves \$, Time and Labor
- Easy to connect to cold water inlet
- Easy to install, No Electricity, No Drain Required
- Full flow 1/2", 3/4" or 1" ports with brass inserts

### Applications:

- Domestic and commercial installations
- Filtration and Pre-filtration systems
- Food industry
- Industry laboratories
- And other application



Part Nr.	Size
FHPR12-B-AQ-AB	1/2"
FHPR34-B-AQ-AB	3/4"
FHPR1-B-AQ-AB	1"

Part Nr.	Size
FHPR12-B1-AQ-AB	1/2"
FHPR34-B1-AQ-AB	3/4"
FHPR1-B1-AQ-AB	1"

Set include:

- filter housing,
- mounting bracket,
- wrench,
- cartridge centralizing ring,
- sediment cartridge
- color box.



Nanosilver is a known bacteriostatic agent. As water enters each stage of filtration, it is supplemented with traces of nanosilver equivalent to 15-20 ppb. This trace quantity of nanosilver imparts bacteriostatic agents and restricts the propagation of micro-organisms inside the filtration system, which in turn enhances shelf life and protects from future contamination.

Nanosilver is so effective because it simultaneously attacks pathogens in several routes:

1. Nanosilver attacks bacteria cell walls – they are composed of aminoacids. Silver anoparticles change their structure (create disulfide bridges between aminoacids). It disrupts so called respiration chain. Bacteria losses its ability to gaseous exchange (breathe) which lead to its death.
2. Nanosilver can penetrate cell wall and lead to its leading to immediate death of bacterial cell.
3. Nanosilver enters inside the bacteria and binds with its DNA. It prevents two strands from separation and thus stops DNA replication.
4. Nanosilver after passing to the inside of the cell binds with various enzymes. Disruption of metabolic processes prevents cell growth.

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## Additional accessories



FXBR1PN-G  
Mounting bracket



FXWR1-BL  
Wrench



NI-212-CENT\_AB  
Bacteriostatic  
Filter cartridge centralizing ring



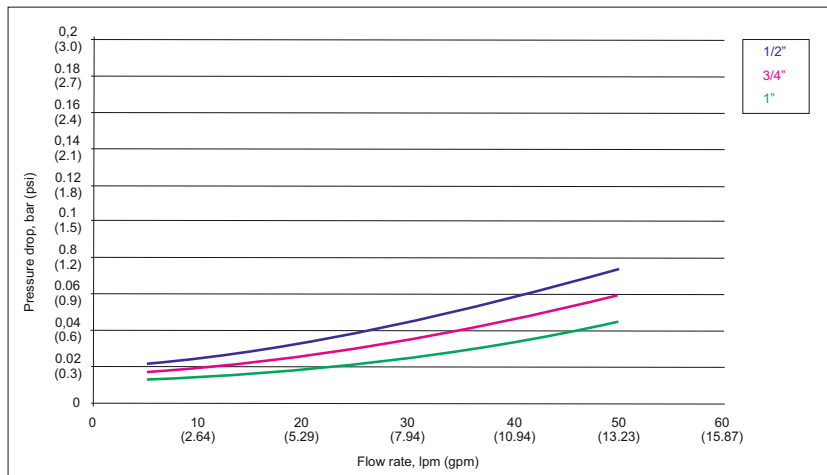
OR-N-880X40  
NBR top O-ring  
for the housings  
H10B, H10C,  
H10K, H105 series



OR-N-900X35  
NBR bottom O-ring  
for the housings  
H10B, H10C,  
H10K, H105 series

### Specifications:

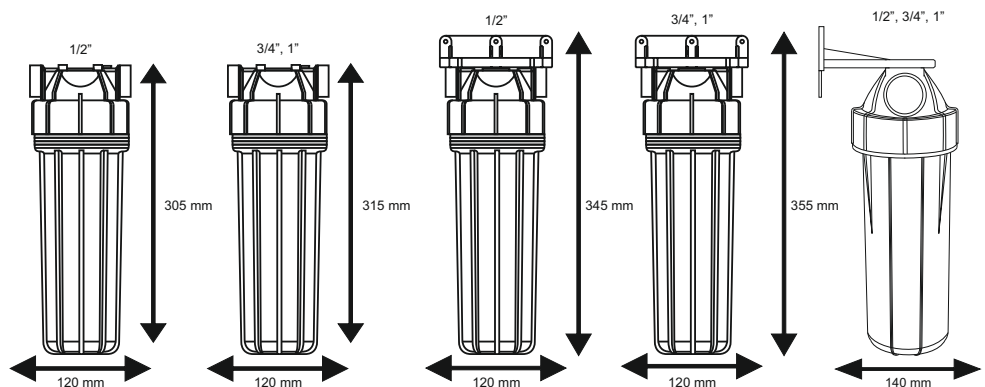
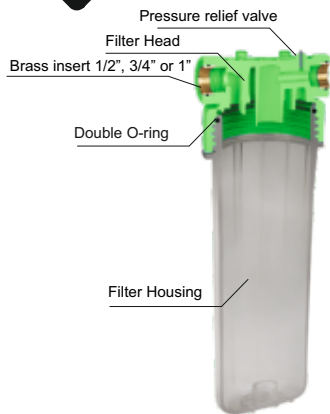
**Housing (sump):** poly(ethylene terephthalate)  
PET and BACTERIOSTATIC and UV AGENTS  
**Cap:** polypropylene and BACTERIOSTATIC and UV AGENTS  
**Inserts:** brass  
**Pressure relief valve:** brass  
**O-ring:** NBR  
**Number of orings:** 2  
**Thread:** 1/2", 3/4", 1" BSP  
**Operating Pressure:** 6 bar (90 psi)  
**Minimum working temperature:** 2°C (35°F)  
**Maximum working temperature:** 45°C (113.00°F)  
**Dimensions without bracket (H x OD) 1/2":** 305 x 120 (mm)  
**Dimensions without bracket (H x OD) 3/4":** 315 x 120 (mm)  
**Dimensions with bracket (H x W x L) 1/2":** 345 x 120 x 140 (mm)  
**Dimensions with bracket (H x W x L) 3/4", 1":** 355 x 120 x 140 (mm)  
**Cartridge dimensions:** 9 7/8" x 2 1/2" (250 mm x 65 mm)



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### NOTE

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Water filtration systems can help reduce the presence of contaminants. In addition, some water filtration systems can help reduce the presence of microorganisms or other contaminants with potential health effects.
- We strongly recommend regularly scheduled maintenance and replacement of the filter cartridge in order for the product to perform properly.
- Replace the filter cartridge at least every 3 or 6 months (depending on water quality and water consumption)

**LIMITED WARRANTY:** Manufacturer warrants that this product is free from defects in materials and workmanship. This warranty, together with any and all warranties implied by law, shall be limited to a period of five (5) years from the date of original purchase.

This limited warranty does not apply to failures that result from abuse, misuse, alteration or failure to properly comply with installation, or cartridge change instructions.

We strongly recommend adding to all point of use and point of entry a Pressure Limiting Valve to guard against unwanted extreme water pressure events pressure increases, surges, and water hammer which could occur in the water pipes. Not having one installed could mean that if you ever did have to claim damage caused by a burst water filter system, the claim will be denied.

