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› Neo-Pure BB150-HMB05 Water Filter Cartridge User Manual

Neo-Pure BB150-HMB05

Neo-Pure BB150-HMB05 Water Filter Cartridge User Manual

Model: BB150-HMB05 | Brand: Neo-Pure

PRODUCT OVERVIEW

The Neo-Pure BB150-HMB05 5 Micron Big Bubba Depth Cartridge is designed for high-performance filtration, effectively capturing sediment, dirt, and rust from water. This cartridge is compatible with Watt's BBC-150-D5 Big Bubba BBH-150 Housing.



Image: Four Neo-Pure BB150-HMB05 water filter cartridges, showcasing their design and quantity in a pack.

Key Features:

- **Micron Rating:** 5 μm , ensuring fine particle filtration.
- **Dimensions:** Length: 26.75 inches.
- **Flow Rate:** Up to 50 GPM (Gallons Per Minute).
- **Temperature Rating:** Operates effectively up to 175° F.
- **Material:** Constructed from thermally bonded polypropylene filter media with EPDM gaskets and polypropylene end caps.
- **Filtration:** Designed for superior sediment filtration, removing dirt, sand, and rust.

INSTALLATION GUIDE

Follow these steps carefully to install or replace your Neo-Pure BB150-HMB05 filter cartridge. Always ensure safety and proper sealing to prevent leaks.

Prepare for Installation:

1. **Close Inlet Valve:** Locate and close the inlet valve to the filter housing to stop water flow.
2. **Drain Housing:** Open a nearby faucet or drain valve to drain water from the filter housing.
3. **Relieve Pressure:** Use the pressure relief button or valve on the housing to release any remaining pressure.
4. **Remove Lid:** Carefully remove the filter housing lid.
5. **Lubricate O-Rings:** For best results and to ensure a proper seal, lubricate the new filter's lower O-rings with a silicone-based lubricant. This also aids in easier removal during future replacements.

Remove the Current Filter:

6. **Turn and Pull:** Turn the existing cartridge a quarter turn counter-clockwise and carefully pull it out of the housing.

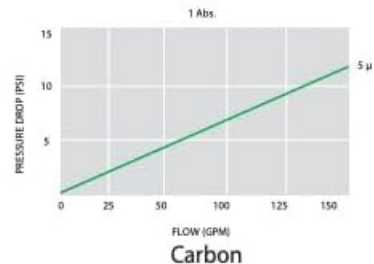
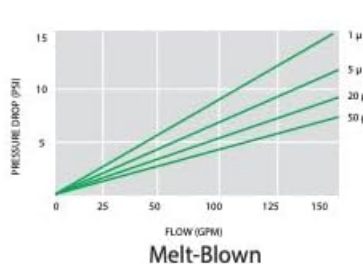
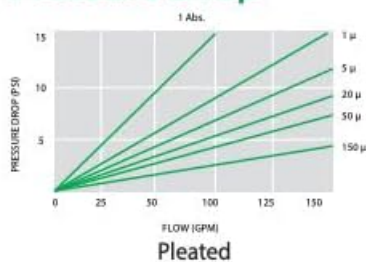
Install the New Filter:

7. **Insert Cartridge:** Insert the new Neo-Pure BB150-HMB05 cartridge into the housing, ensuring the O-rings cap end goes in first. Push it all the way down until the O-rings end is firmly seated at the bottom.
8. **Lock Filter:** Lock the filter into place by turning it one-quarter turn clockwise.
9. **Replace Lid:** Put the housing lid back on and secure it tightly.
10. **Restore Water Flow:** Open the inlet valve slowly and relieve any trapped air pressure from the housing. Check for leaks.

Cartridge Selection and Sizing Guide

Cartridge Type	Product Code	Micron Rating	Recommended Flow Rate*	Maximum Flow Rate* (GPM)	No. Per Carton	Carton Size
Neo-Pure® Big Bubba® Replacement Filter Cartridges						
Pleated	BB150-PH01A	1 (Absolute)	80	150	1	7 x 7 x 31
	BB150-PH01	1	80	150	1	7 x 7 x 31
	BB150-PH20	20	80	150	1	7 x 7 x 31
	BB150-PH05	5	80	150	1	7 x 7 x 31
	BB150-PH50	50	80	150	1	7 x 7 x 31
	BB150-PM150	150	80	150	1	7 x 7 x 31
Melt-Blown	BB150-HMB01	1	50	75	1	7 x 7 x 31
	BB150-HMB05	5	50	75	1	7 x 7 x 31
	BB150-HMB20	20	50	75	1	7 x 7 x 31
	BB150-HMB50	50	50	75	1	7 x 7 x 31
Carbon	BB150-CTO	150	10 - 12	20	1	7 x 7 x 31
Swimming Pools	BB150-P5	20	80	150	1	7 x 7 x 31

Pressure Drop



Dimensions



FDA and USP Compliance

All materials comply with FDA requirements for food contact per CFR Title 21 174.5, 177.1520 and 177.1630. All components meet USP Class VI Plastics

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Questions?

Ask our Service Representatives at:
888.859.1188 Mon.-Fri. 8:30a-7p,
Sat 8:30a-4:30p EST.

Image: A detailed installation guide document for Neo-Pure Big Bubba compatible cartridges, outlining steps for preparation, removal, and installation.





Image: A single Neo-Pure BB150-HMB05 water filter cartridge, showing its cylindrical shape and top handle for easy handling.

OPERATING GUIDELINES

The Neo-Pure BB150-HMB05 cartridge is designed for continuous operation within specified parameters to ensure optimal water quality.

- **Flow Rate:** The cartridge supports a flow rate of up to 50 GPM. Actual flow may vary based on water pressure and system configuration.
- **Initial Pressure Drop:** The initial pressure drop is approximately 40 PSID. Monitor pressure gauges to determine when filter replacement is necessary due to increased pressure drop.
- **Temperature Range:** This filter is rated for water temperatures up to 175° F (79.4° C). Do not exceed this temperature to prevent damage to the filter media.
- **Applications:** Suitable for various applications including residential water filtration, reverse osmosis prefiltration, well water treatment, and industrial uses such as chemical processing, food and beverage, and wastewater treatment.

BB 150 Series

Big Bubba® Replacement Cartridges
Pleated • Melt-Blown • Carbon



Residential / Commercial / Industrial
Filtration Applications

Standard Features

- The center tube, end cap and filter media is made of 100% polypropylene, no cellulose (paper) which is subject to bacterial growth
- Pleated polypropylene material provides lower initial pressure drop which provides higher flow rates and longer filter run
- The center tube, end cap and polypropylene filter media are thermally bonded as one unit, which provides additional strength and a positive seal
- Pleated cartridges are cleanable and reusable in most micron ratings and filtration applications
- Melt-Blown cartridges are graded density pore structure providing true depth-style filtration for high dirt-holding capacity
- Carbon cartridges are manufactured with eco-friendly activated coconut shell carbon filter media to provide exceptional filtration and a high level of chlorine taste and odor reduction
- NSF Standard 61 Approved Material

Product Specifications

Micron Sizes

Pleated: Nominal - 1, 5, 20, 50, 150, Absolute - 1A

Melt-Blown: Nominal - 1, 5, 20, 50

Carbon: Nominal - 5

Cartridge Lengths

25-1/2"

Outside Diameters

6-1/4" OD

Operating Temperature

160°F (71.1°C) temperature limit*

Materials of Construction

Filter Media: Pleated polypropylene melt-blown

Core: Polypropylene

End Caps: Polypropylene

O-Ring: Buna N or EDPM

* Temperature limits vary and depend on pressure and time under load.

Applications

- 1 Cooling Tower Filtration
- 2 Desalination Prefiltration
- 3 Food and Beverage
- 4 Industrial Wastewater Treatment
- 5 Oil and Gas
- 6 Paints, Inks and Coatings
- 7 Paper and Pulp
- 8 Potable Drinking Water
- 9 Process Water
- 10 Sea Water
- 11 Reverse Osmosis Pre-filtration
- 12 Wholehouse Filtration

Image: A document detailing the standard features, product specifications, and applications for the Neo-Pure BB 150 Series cartridges, including information on micron sizes, flow rates, and operating temperatures.

MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your water filtration system.

- **Filter Change Frequency:** The Neo-Pure BB150-HMB05 cartridge should be replaced every 12 months or as needed, depending on water quality and usage. A noticeable decrease in water flow or a decline in water quality indicates it's time for a replacement.
- **Housing Inspection:** During filter replacement, inspect the filter housing for any cracks, damage, or debris. Clean

the housing thoroughly before installing a new cartridge.

- **O-Ring Maintenance:** Always inspect and lubricate the O-rings with food-grade silicone grease during each filter change to maintain a proper seal and prevent leaks. Replace O-rings if they appear cracked or worn.

TROUBLESHOOTING

Here are some common issues and their potential solutions for your water filtration system:

- **Low Water Flow:**
 - **Cause:** Clogged filter cartridge.
 - **Solution:** Replace the filter cartridge. Ensure the new cartridge is installed correctly and seated properly.
 - **Cause:** Insufficient water pressure from the main supply.
 - **Solution:** Check your home's main water pressure.
- **Water Leaks from Housing:**
 - **Cause:** Improperly seated O-rings or damaged O-rings.
 - **Solution:** Ensure O-rings are clean, lubricated, and correctly seated. Replace O-rings if damaged.
 - **Cause:** Housing lid not tightened sufficiently.
 - **Solution:** Tighten the housing lid firmly, but do not overtighten.
- **Poor Water Quality (e.g., cloudy water, sediment):**
 - **Cause:** Filter cartridge has reached its capacity.
 - **Solution:** Replace the filter cartridge.
 - **Cause:** Incorrect filter type for the specific contaminants.
 - **Solution:** Verify that the BB150-HMB05 is the appropriate filter for your water quality issues.

SPECIFICATIONS

Detailed technical specifications for the Neo-Pure BB150-HMB05 filter cartridge:

Attribute	Value
Model Number	BB150-HMB05
Micron Rating	5 µm
Length	26.75 inches
Product Dimensions	6.7"D x 6.7"W x 30.7"H
Item Weight	3.8 Pounds (per cartridge)
Material	Thermally bonded polypropylene (PP)
Gaskets	EPDM
End Cap Material	Polypropylene
Flow Rate	50 GPM (Gallons Per Minute)
Initial Pressure Drop	40 PSID

Attribute	Value
Temperature Rating	175° F (79.4° C)
Country of Origin	USA
UPC	352584336823



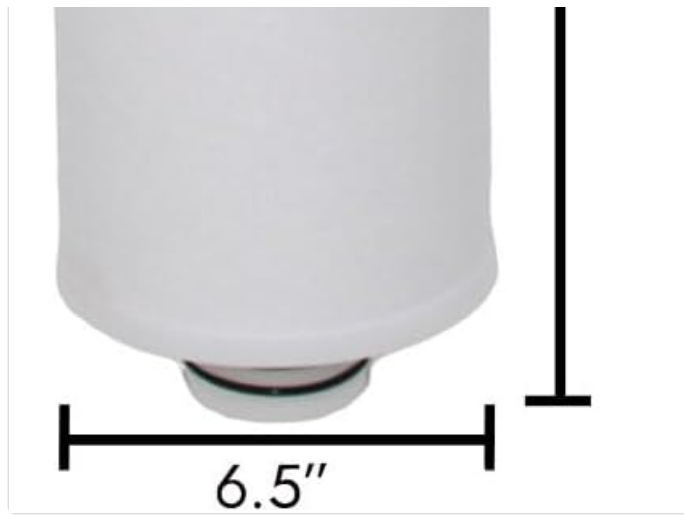


Image: A single Neo-Pure BB150-HMB05 water filter cartridge shown with its length (29.375 inches) and diameter (6.5 inches) indicated by measurement lines.



Neo-Pure® Big Bubba® Compatible Cartridge Installation Guide

Prepare for Installation:

1. Close inlet valve to filter housing.
2. Drain housing.
3. Relieve pressure on housing.
4. Remove lid closure.
5. For best results, lubricate the new filter's lower O-rings with silicone based lubricant. Doing so assures proper seal on installation and will make it easier to remove the filter when it is time to be replaced.

Remove the Current Filter:

6. Turn it a quarter turn (counter-clockwise) and pull it out of the housing.

Install the New Filter:

7. Insert it into the housing, O-rings cap end first. Push it all the way down until the O-rings end is firmly seated at the bottom.
8. Lock the filter into place by turning it one-quarter turn (clockwise).
9. Put housing lid back on and secure.
10. Open the inlet valve and relieve pressure on housing.

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Image: A comprehensive guide table for Neo-Pure Big Bubba replacement filter cartridges, detailing product codes, micron ratings, recommended flow rates, maximum flow rates, and carton sizes for various pleated, melt-blown, and carbon filter types.

WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your Neo-Pure BB150-HMB05 filter cartridge, please contact the manufacturer or authorized distributor.

- **Manufacturer:** Neologic
- **Distributed by:** Fresh Water Systems, Inc.
- **Phone:** 888.859.1188
- **Fax:** 864.284.1819
- **Website:** NeologicSolutions.com
- **Email:** Info@NeologicSolutions.com
- **Support Hours:** Monday - Friday, 8:30 AM - 4:30 PM EST

While specific warranty details for the cartridge are not provided, Fresh Water Systems offers various protection plans for eligible purchases. Please refer to your purchase documentation or contact Fresh Water Systems directly for warranty information.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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