

## Carbon Block and Carbon + Scale Products

Contact us for more information

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### Carbon Block

<b>Flow Rate</b>	1 GPM / 1.5 GPM / 2 GPM
<b>Gallon Rating</b>	6,000 gal. / 9,000 gal. / 12,000 gal.
<b>Filter Size</b>	12" L x 3" D / 14" L x 3" D / 17" L x 3" D
<b>Testing Standard</b>	NSF/ANSI 42 and 53



### Carbon + Scale

<b>Flow Rate</b>	1 GPM / 1.5 GPM / 2 GPM
<b>Gallon Rating</b>	6,000 gal. / 9,000 gal. / 12,000 gal.
<b>Filter Size</b>	14" L x 3" D / 17" L x 3" D
<b>Testing Standard</b>	NSF/ANSI 42



Part No.	Filter Cartridge	Flush Volume (After 1 week of Stagnation)	Flush Volume (After 4 weeks of Stagnation)	Part Description
<b>Carbon Block</b>				
70-31060-E20	6k Gallon Capacity Cartridge (Size 2 Sump)	2 Liters (0.5 US gal)	10 Liters (3 US gal)	Nephros Carbon Filter - 6,000 Gal
70-31090-E40	9k Gallon Capacity Cartridge (Size 4 Sump)	3 Liters (1.0 US gal)	15 Liters (4 US gal)	Nephros Carbon Filter - 9,000 Gal
70-31120-E60	12k Gallon Capacity Cartridge (Size 6 Sump)	5 Liters (1.5 US gal)	25 Liters (7 US gal)	Nephros Carbon Filter - 12,000 Gal
<b>Carbon + Scale</b>				
70-32060-E40	6k Gallon Capacity Cartridge (Size 4 Sump)	2 Liters (0.5 US gal)	10 Liters (3 US gal)	Nephros Carbon + Scale Filter - 6,000 Gal
70-32090-E40	9k Gallon Capacity Cartridge (Size 4 Sump)	3 Liters (1.0 US gal)	15 Liters (4 US gal)	Nephros Carbon + Scale Filter - 9,000 Gal
70-32120-E60	12k Gallon Capacity Cartridge (Size 6 Sump)	5 Liters (1.5 US gal)	25 Liters (7 US gal)	Nephros Carbon + Scale Filter - 12,000 Gal

## Instructions for Use

### General Safety Instructions

- Only cold water of potable water quality may be used to feed the system.
- All components must be stored dry within a temperature limit of -15° to 45° C (5° f to 113° f).
- The system must be sited in a frost-proof place and be protected from direct sunlight.
- The system must not come into contact with chemicals, solvents or other vapors.
- The filter cartridge must not be opened or damaged.
- Regardless of the residual capacity, the filter cartridge must be replaced if not used for more than 4 weeks and if not flushed periodically with efficient volume (see table for flush volume).
- Do not use with water that is micro biologically unsafe or of unknown quality without adequate disinfection before or after the system.
- After 5 years of use (latest 6 years after production date) the filter head and wall mounting bracket must be replaced (this also applies to hoses and gaskets) - please check the date on the production stamp.
- After a longer downtime or maintenance works rinse the system thoroughly - see table for flush volume.

### Assembly Safety Instructions

- A shut-off valve must be installed upstream of the filter system.
- If a water softener is installed upstream, check if hardness is still available in the tap water.
- All components must be installed according to country-specific guidelines. Check for compliance with state and local laws and regulations.
- We recommend only using NSF/or accredited parts and components for Aether connections.
- If the cartridge is removed from the filter head without being replaced by a new one, the water supply to the filter head must be shut off.
- Do not connect any devices to the flush valve and/or flush hose.

### Initial Installation

- At first identify a suitable place to install the filter system.
- Before you start installing the system, shut off the water supply and disconnect the equipment from the power supply.
- Before installation check the filter system and the accessories for any damage - particular attention must be paid when inspecting the O-rings and gaskets.
- After storage below 0° C (32° F) the filter cartridge must be stored at the ambient temperature of the installation location for at least 24 hours.

### Replacing a Filter Cartridge

1. Slowly unscrew the used cartridge by turning counterclockwise. This will unlock it from the filter head and enable it to be removed. During this process, incoming tap water supply and outgoing filtered water valves in the filter head shut-off automatically. The system will expand, and a small amount of expansion water may escape from the flush hose due to peaks in pressure. Please keep this in mind and place a suitable container underneath the flush hose.
2. Open the flush/pressure release valve and lead the rinsing hose into a suitable container (e.g. bucket) or to the drain.
  - Remove the new filter cartridge from its packaging and check for any damage. Insert the filter cartridge into the filter head and turn the cartridge clockwise until it stops and end position is reached. The flow in the filter head is reopened and the system vented and flushed via the flush/pressure release valve.
    - Allow from 60 to 120 seconds of continuous flush.
    - Flow rate: 20-125 psi GPM: 2.0 to 2.5 Temperature: 35F to 125F
3. Close the flush/pressure release valve - the system is now ready for use.
4. After replacing the filter cartridge, check all components for seal integrity, water must not escape from any point.
5. Filter cartridge will be primed and ready for use.

**NOTE:** The flush water will be milky or cloudy at first. This is due to the dispersing air and will clear up quickly after flushing the cartridges with appropriate volume of water. Now check that the cartridge position is correct. Check the position of the cartridge label. This should face forwards once in the end position so that all of the necessary information is visible.

### Service/Maintenance

- Reliable system function can only be achieved if the filter cartridge is replaced on a regular basis.
- The replacement cycle depends on the carbonate hardness of the water supply and the application.
- We would recommend replacing the filter cartridge after 6 months and no later than 12 months depending on usage.
- The operator undertakes to check the system for leaks every day.
- When the filter cartridge is replaced, all parts must be checked for impurities and damage. Damaged parts must be replaced and impurities remedied.