

**CeramiChlor for Water Disinfection
Distributed by
NanoClear Water Solutions Ltd.**

Ceramichlor

**INSTALLATION GUIDE
and
OPERATION MANUAL**

SAFETY

**READ AND FOLLOW ALL INSTRUCTIONS.
IMPORTANT SAFETY INSTRUCTIONS**

- a. Skin: Wash off any dust with soap and water. Seek medical advice if irritation persists.
- b. Eyes: Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation continues.
- c. Inhalation: Move to fresh air if dust is inhaled. Seek medical attention if breathing difficulties arise.
- d. Ingestion: Seek immediate medical advice; do not induce vomiting.
- e. WARNING - To reduce the risk of injury, do not permit children to use this product unless they are always closely supervised.
- f. Wear safety glasses when drilling and tapping holes for installation of the unit.
- g. Turn off the power to the pump before servicing the unit.
- h. **SAVE THESE INSTRUCTIONS.**

INTRODUCTION TO CERAMICHLOR

Welcome to the NanoClear Water Solutions revolution in recreational water health and safety. Our Ceramichlor product provides a low chlorine, NSF-approved option to pool and spa owners.

What is Ceramichlor:

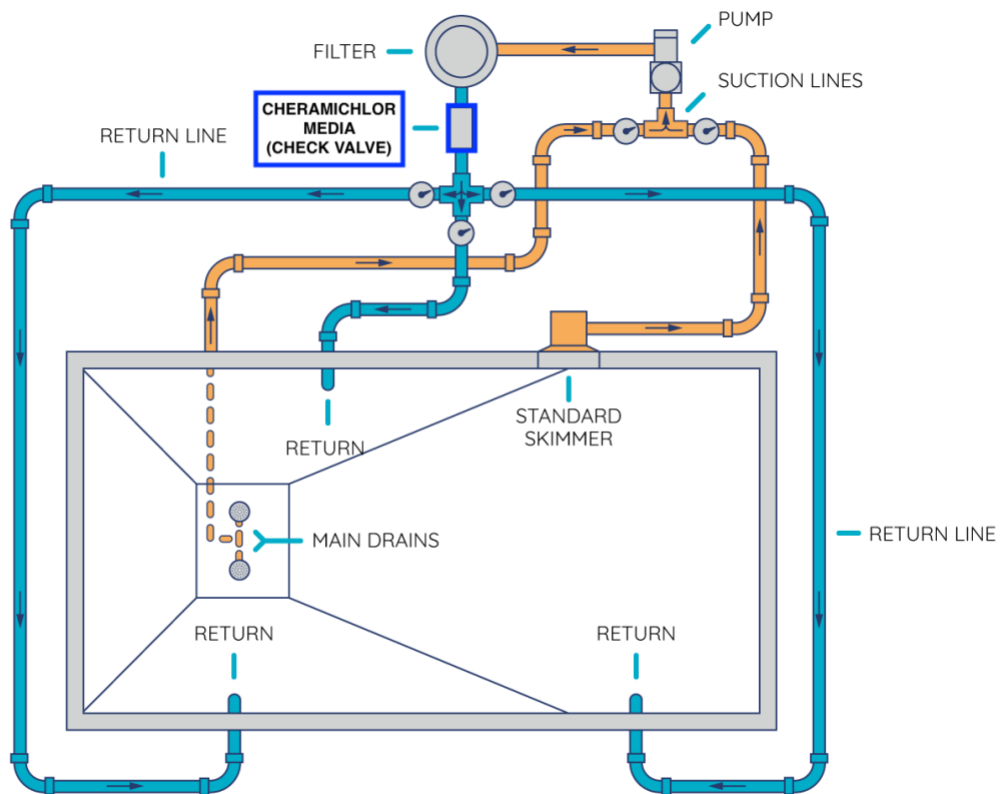
Ceramichlor is very porous ceramic “briquettes” containing nanoparticles infused with antimicrobials that disinfect the water as it passes through the ceramic media.

Life expectancy of the product:

Under normal use conditions, the product is expected to last 6 months and can be easily replaced by simply unscrewing the cap of the containment unit, removing the used briquettes, and installing a new supply.

Where to install the product

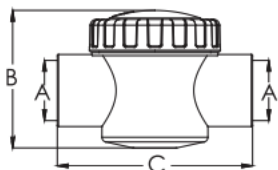
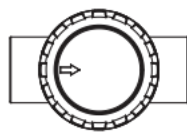
Ceramichlors “kill on contact” method of action is most effective when installed anywhere on the water return pipe after the sand or paper filter.



Ceramichlor Installation with check valve

Ceramichlor has demonstrated optimal performance when utilized within a chamber of this type.

Check Valve



Code	Model	Material	Connection	A (mm)	B (mm)	C (mm)
88460301	V40-1(E)	ABS & PVC	50mm	Ø50	115	164
88460302	V50-1(E)	ABS & PVC	63mm	Ø63	129	190
88460311	V40-1(A)	ABS & PVC	1.5"	Ø48	115	164
88460312	V50-1(A)	ABS & PVC	2"	Ø60	129	190

OPERATION

A. CERAMICHLOR WATER DISINFECTANT OPERATION

Ceramichlor works when water is pushed through the chamber holding the Ceramichlor briquettes. As water passes through the briquettes, Ceramichlor's patented nanotechnology disinfectant clears the water of all bacteria and then returns the water to the pool return line. The system is installed on the return water line and operates during regular filtration cycles the pump should circulate the water 3 times in 24 hours for the best water quality.

B. RECOMMENDED WATER CHEMISTRY AND POOL CARE

pH - 7.2 to 7.6. Ceramichlor may cause the pH value of the water to rise slightly within the given range.

Sanitizers - A chlorine level of .5 ppm to 1 ppm is recommended.

Shock - non-lithium-based material such as Calcium Hypochlorite or Sodium Hypochlorite, etc.

The use of other chemicals is not usually required.

Maintenance

- **Regular Inspection:** It's essential to check the containment unit regularly for any signs of wear or damage. Additionally, inspect the ceramic briquettes periodically to ensure they are clean and free from any buildup or blockages.
- **Organic Waste Management:** To address organic waste such as body oils and suntan lotion, consider using Enzyme Cleaner. Enzymes effectively break down and digest non-living organic waste and oils in water, maintaining water clarity and quality.
- **Particulate Removal:** For the removal of particulates, a Liquid Clarifier is ideal. It helps keep the water clear and free from debris, enhancing the overall water quality.

- **Algae Control:** Algae spores, introduced to pool water through various sources, can lead to the growth of unsightly algae. These spores thrive in the presence of sunlight and phosphate. To eliminate them, we recommend maintaining chlorine levels between 0.5 and 1 ppm. Another option is Algaecide, which works just as effectively to clear any algae present in the pool.
- **Removal of Larger Debris:** Regularly remove larger debris such as leaves using a net or robot. This helps prevent clogging of filters and ensures efficient operation of the system.
- **Bacterial Testing:** Periodically test the water for bacteria using bacterial test kits. This ensures that the water remains safe and free from harmful bacteria, providing peace of mind to pool and spa owners

TROUBLESHOOTING GUIDE

PROBLEM	PROBABLE CAUSE	REMEDY
Bacteria in Water	Water is not circulating	Activate the pump
Cloudy water; foamy water; scum	Water chemistry out of balance, particulates, and organics buildup	Check readings and balance accordingly. Refer to dealer for water testing. See Maintenance Protocol

Verify check valve/ chamber is operating properly and not damaged Check for restrictions in line.

NOTE: Regular maintenance is required Filter and backwash as necessary.

