



Nerox-02 Family Kit Instructions

1. The purpose of the filter

"Nerox" membrane filter is an effective way of improving the quality of drinking water taken from various sources. The filter removes all disease causing bacteria and significantly reduces the amount of heavy metals, pesticides and other impurities detrimental to health.

At the same time the filter will preserve the microelements that are vital for health!

The filter is based on a unique Nerox membrane. The Nerox membrane is a thin polymeric film, which is treated at the molecular level to create microscopic pores. This guarantees a high quality filtration. The filter is handy and easy to use at home and outdoors. The filter element doesn't pollute the environment. The filter construction is solid and hermetic thus preventing the dirty water from mixing with the filtered water. You can see how effective the filtration is when you clean the filter.

When filtering for example dirty lake water the filter may clog faster and the capacity may also decrease. Depending of the water quality, the flow rate can increase to more than 25 liter per day. The filter is constructed of materials tested to be suitable with drinking water.



2. Technical data

Dimensions	410 x 240 x 410mm
Weight	1 840 g
Range of working temperature	0°C – +50°C
Filtering efficiency	20 – 30 liters per day
Total nominal capacity	2 500 liters



P.O.Box 135, 2801 Gjøvik, Norway
Tel: +47 61 14 01 80 Fax: +47 61 18 00 96
E-mail: plastec@plastec.no - www.plastec.no

3. Nerox-02 Family Kit structure and components:

1. Filter element with two plastic covers and plastic tube connected to...
2. Bulk head adapter in raw water container floor
3. Plastic tube (15 cm)
4. Sponge
5. Tap ($\frac{3}{4}$ ") with nut
6. Raw water container (10 ltr) fitted with two spacers
7. Clean water container (22 ltr) with metal handle
8. Top lid for raw water container
9. Manual



4. Start-up procedure, operating and maintenance instruction

First start-up procedure

1. Press the **Tap** into the hole of the clean water container and screw on the nut tightly from inside. Set the tap in position "Close".
2. Connect the **Plastic tube** (15cm) to the bulk head adapter underneath the raw water container.
3. Place the raw water container on top of the clean water container and fix the two containers together by pushing the **Two Spacers** on to the base of the metal handle.
4. Start the filtration process by filling the **Raw water** into the top container. Take care that the raw water is poured neatly into the raw water container to avoid spilling over the ridge while filling. Never fill the container more than 80% full.
5. Place, but do not press, the **Lid** on top of the raw water container.
6. It will take a few minutes before the **Clean water** automatically will start dripping into the clean water container.

Cleaning the Family Unit

During the filtration the filtered particles stay on the surface of the membrane. These particles gradually decrease the water flow of the filter, while the water produced is still safe. It is necessary to clean the filter and the unit regularly, approx every 1-3 weeks, or even

more often, depending on the quality of the raw water.

Cleaning instructions

1. If the raw water container is not already empty, lift it out of its fixed position and empty it.
2. Remove the filter from the container by disconnecting the tube from the bulk head adapter. **NEVER REMOVE THE TUBE FROM THE FILTER ELEMENT ITSELF.**
3. Remove the plastic cover on one side by lifting the tabs.
4. Holding the element where it connects to the tube, put the whole filter element (except the tube!) into normal water in a bucket or wash-basin. Keep the tube pointing upwards to avoid water entering it. Then, **VERY SOFTLY**, in the water, clean the surface of the element with the wet sponge (or a soft, wet cloth). Put the cover back on.
5. Repeat point 4 for the other side of the filter element.
6. Re-connect the filter element to the bulk head adapter in the raw water container.
7. Wash and clean with a mild disinfectant the inside of the clean water container and likewise the outside of the raw water container including the surface of the plastic tube hanging underneath.
8. Fix the raw water container back on to the base of the metal handle of the clean water container.

ATTENTION! IN ORDER TO AVOID DAMAGE TO THE MEMBRANE:

- **DO NOT** blow into the filter through the plastic tube
- **DO NOT** wipe the surface of the membrane with hard material or a brush
- **DO NOT** connect the plastic tube to the water supply
- **DO NOT** leave the filter in a place where the temperature gets below 0°C