

NATURE 2 SPA CARTRIDGE TECHNICAL INSTRUCTIONS

Zodiac, mastering the elements

I-DESCRIPTION

The Nature 2 Spa cartridge is a water treatment system using Ceramic Water Treatment. Nature 2 for spas operates without electricity. Its action is based on water passing through one cartridge containing the ceramics balls with silver particles on the surface. These minerals fight a continuous battle in your spa against the bacteria, viruses and algae, which can develop in the water.

The cartridge fits in the centre of most spa filters. The cartridge operates with both suction and pressure filters.

II- THE BENEFITS OF NATURE 2 FOR SPAS

- Continuous action for 4 months.
- Guaranteeing healthy odourless and safer water.
- Considerably improves the water quality, making a significant difference to its impact on your eyes and your skin.
- Simplifies the balancing of the water and is unaffected by heat.

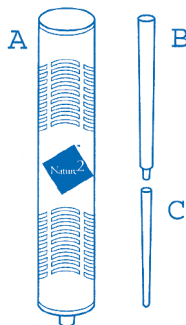
III- THE SPECIFICATIONS OF NATURE

- Volume of water processed: up to 4 m³.
- Lifespan: 4 months.
- Dimensions: 16.5 cm x 3.18 cm.
- Time activated: 4 hrs/day minimum.
- Flow: efficient whatever the flow of the spa.

IMPORTANT! The Nature 2 cartridge for spas must under no circumstances be used with products containing bromine, sodium bromide or biguanides. If such products are used, IT IS ESSENTIAL THAT YOU EMPTY THE SPA COMPLETELY AND REFILL IT WITH FRESH WATER.

IV-INSTALLATION

Nature 2 for spas consists of 3 parts: the cartridge (A) and 2 support shafts (B and C).



STAGE 1



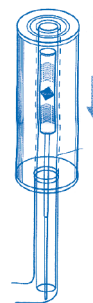
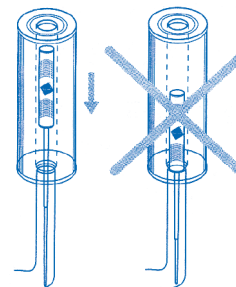
Assemble the 2 support shafts by fitting B into C. Then, connect the cartridge and these 2 support shafts together so that they form one single unit.

STAGE 2

Slide the assembled cartridge into your spa's cartridge filter. Once the Nature 2 cartridge has been inserted, it must always be at least 2.5 cm above the base of the filter so as to avoid blocking the flow of water. The support shafts can be cut to help position the cartridge. The insertion of the cartridge varies according to your spa's filter type.

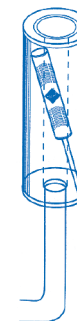
Case n° 1: open-top

Slide the cartridge in through the top. Position it in the top half of the filter.



Case n° 2: open-top with vertical pipe

Certain spa filter systems are designed with a vertical pipe that goes right along the filter. Slide the cartridge in through the top. Position it in the top of the filter to facilitate removal.



Case n° 3: closed-top

Slide the cartridge in through the bottom of the filter. Position it in such a way that it rests diagonally inside the filter.

V-USE

Necessary equipment

- Nature 2 Cartridge
- Disinfectant:
 - > Potassium monopersulfate.

OR > Rapid dissolution stabilised chlorine (dichloroisocyanurate).

- OR > Ozone.
- Test kits (pH and total alkalinity).
- Correctors of pH and/or alkalinity.

Maintenance of your spa pool using the ozone water treatment system (ozonator)

WHEN ?	WHAT NEEDS TO BE DONE ?
Cartridge start-up	<ul style="list-style-type: none"> • Drain the spa and fill it with fresh water. Balance the water in accordance with the manufacturer's recommendations. • Carry out an initial "shock chlorination" treatment adding one tablespoon 1/2 of dichloro per m³ (24 g).
Regular treatment	<ul style="list-style-type: none"> • Reduce the working intensity of your ozonator. • Check the pH and total alkalinity (TAC).
With each use	• No particular treatment required.
Every 4 months	<ul style="list-style-type: none"> • Drain the spa and fill it with fresh water. • Replace the Nature 2 cartridge and put it into operation.
In the event of cloudy water	<ul style="list-style-type: none"> • Increase ozone production, or if necessary apply a shock chlorination treatment: one tablespoon 1/2 of dichloro per m³ (1 tablespoon = 24 g).

Maintenance of your spa (potassium monopersulfate)

WHEN ?	HOW ?
First usage of the cartridge	<ul style="list-style-type: none"> • Empty the spa and fill it with fresh water. Balance the water according to the manufacturers' recommendations. • Add one tablespoon 1/2 of chlorine (dichloro) per m³ of water (24 g).
Once a week	<ul style="list-style-type: none"> • Add 3 tablespoons of potassium monopersulfate per m³ of water (1 tablespoon = 16 g). • Check the pH and the level of total alkalinity (TAC).
Before each use	<ul style="list-style-type: none"> • Test the Potassium Monopersulfate level in water. • If low, add 1 Tbs Potassium Monopersulfate per m³. • Check level of Potassium Monopersulfate with Nature 2 test strips. If not in OK range, add 1 Tbs Potassium Monopersulfate and re-test. • Enter spa only after test strip indicates a sufficient level of Potassium Monopersulfate.
On every usage	<ul style="list-style-type: none"> • Add 1 tablespoon of potassium monopersulfate per m³ of water (1 tablespoon = 16 g).
Every 4 months	<ul style="list-style-type: none"> • Empty the spa and fill it with fresh water. • Replace the Nature 2 cartridge and commence start up procedure.
In the event of cloudy water	<ul style="list-style-type: none"> • Carry out a 'shock chlorination' treatment: one tablespoon 1/2 of dichloro per m³ of water (24 g).

Products without chlorine sold in Europe (MPS)

MANUFAC.	Potassium monopersulfate
ASTRAL	<ul style="list-style-type: none"> • Active Oxygen: blocks of 100 g (sold in packs of 1 or 6 kg). • Active Oxygen: granulated (sold in packs of 1 or 10 kg).
HYDROCHIM	• SANKLOR: powder (sold in 1.3 kg containers).
PROTEAM	• SPASHOCK (sold in 1 kg packs).
BAYROL	• BAYROKLAR SPA: rapid dissolution tablets.
MAREVA	• REVASHOCK.

Maintenance of your spa (dichloro)

WHEN ?	HOW ?
First usage of the cartridge	<ul style="list-style-type: none"> • Empty the spa and fill it with fresh water. Balance the water according to the manufacturers' recommendations. • Add one tablespoon 1/2 of dichloro per m³ (24 g).
Once a week	<ul style="list-style-type: none"> • 1 teaspoon of dichloro per 1 m³ of water (1 teaspoon = 5 to 7 g) • Check the pH and the level of total alkalinity (TAC).
On every usage	• 1/3 of a teaspoon of dichloro per 1 m ³ of water.
Every 4 months	<ul style="list-style-type: none"> • Empty the spa and fill it with fresh water. • Replace the Nature 2 cartridge and commence start up procedure.
In the event of cloudy water	<ul style="list-style-type: none"> • Carry out a "shock chlorination" treatment: one tablespoon 1/2 of dichloro per m³ of water (24 g).