

Drinking Water Conservation with Plation[®]-Floats

This technical sheet including the instructions for use is the condition for the perfect function of the following Plation-Floats

Plation[®] JC-Float, Plation[®] PNK-Float; Plation[®] PNS-Float; Plation[®] PM-Float

Plation-Effects (see also: Product Information)

Plation-Floats fight micro-organisms in water by silver-ions and thus prevent the growth of bacteria, algae and bio-films. In small quantities, far below the limits of drinking water regulations and the WHO guidelines, they release silver by diffusion. An overdosing of silver is not possible. For up to two years Plation-Floats comfortably keep drinking water clean and fresh and tanks proper without requirement of power and maintenance.

The speed and duration of the Plation-effects in water depend on:

- the time of contact and the flow rate (affects the ion-concentration)
- the ingredients solved in the water (e.g. salts, chlorine etc.) and/or the water-conductivity
- the pH-value of the water and its temperature
- the micro-biological basic load of the water (drinking water: almost none)
- the differences in sensitivity of bacteria, algae and viruses for silver.

Characteristics

Plation-Floats are filled with Plation balls. These are made in a complex procedure of purified clay and colloidal silver (Ag). Thereby they get a high stability and a long-term efficacy, which can hardly be reached by other products. Plation-Floats do not release any color, smell or taste.

Different Plation-Floats release, depending on requirements and tank-volumes, different silver quantities by containing balls in different numbers and sizes (see: ‚Dosage‘). Flotation chambers in the upper end cause the lift of the Floats for an even silver-distribution in the tank.

PM-Floats have a hard pipe hull and swim directly beneath the water surface. JC-Floats, PNK-Floats and PNS-Floats show as hulls flexible nets and are held under water in a vertical position by their flotation chambers.

Utilisation-Time (see: ‚Dosage‘) and disposal

The recommended utilisation-time of a single Plation-Float is up to maximal two years and corresponds, at a continuous use, to the values, which are indicated in the ‚Recommendation of Dosage‘. After the end of the recommended utilisation-time a new Plation-Float should be inserted into the tank. If the drinking water tank will not be needed continuously (e.g. use only half a year in the summer), the emptying of tanks and pipes and the withdrawal of the Plation-Floats are recommended after the season. After temporary non-usage the Floats can be used again, up to reaching their total utilisation-time. At the end of the utilisation-time Plation-Floats can be disposed with the domestic waste.

Shelf life / Storing

New Floats can be stored in their original packing for an unlimited period. Floats already used please store dry and dark.

Instructions for Plation®-Floats in Drinking Water Tanks

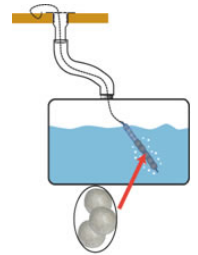
Tank-Cleaning

In order to ensure the function of Plation, all tanks and pipings of the system are to be cleaned with disinfectant and rinsed with drinking water before using Plation-Floats. This is absolutely valid particularly for already used tanks and/or pipings.



Installation of Plation®JC-Float, Plation®PNK-Float and Plation®PNS-Float

After removing the protective plastic cover, the Float is placed in the filled tank, so that it is positioned in the water as vertical as possible. Fasten the cord welded with the Float at a well accessible and suitable place. The cord should be sufficiently long, so that the Float can swim freely back and forth and that all Plation balls, also at a low water-level, will be covered with water.



Installation of Plation®PM-Floats

The PM-Float is designed, after removing the protective plastic cover, as a freely floating hard pipe for tanks with larger inspection openings. In order to facilitate a later withdrawal, we recommend to fix the Float with a cord at a well accessible and suitable place. The cord should be sufficiently long, so that the Float can swim freely back and forth and that all Plation balls, also at a low water-level, will be covered with water.



Exchange of the Floats

At the end of their utilisation-time (see: 'Dosage') the Plation-Floats should be replaced by new Floats of the same type. If the space permits, old Floats are not removed, as they still release small quantities of silver-ions even after their recommended utilisation-time. After the very easy insert of the new Plation-Floats no further maintenance of the drinking water reservoir is necessary.

Please consider

Plation-Floats are fully effective to conserve drinking water quality. If water of worse quality is filled into the tanks, the efficacy of the recommended dosage cannot entirely be guaranteed, as e.g. pollutants can impair the Plation effects. Besides this such non-drinking water can contain other pollutants.

For to use Plation, conformity with the respective national regulations for 'Drinking Water in Decentralised Tanks' is necessary and recommended.

Instructions for Use of Plation®-PNK-Floats and Plation®-PNS-Floats* in Drinking Water Tanks of Ships and Boats

Note: Plation-Floats should be inserted into each drinking water tank of a boat. For an optimal water preservation under most diverse conditions we recommend a combination of Plation-Floats and Plation-Inline-Filters (PIF).

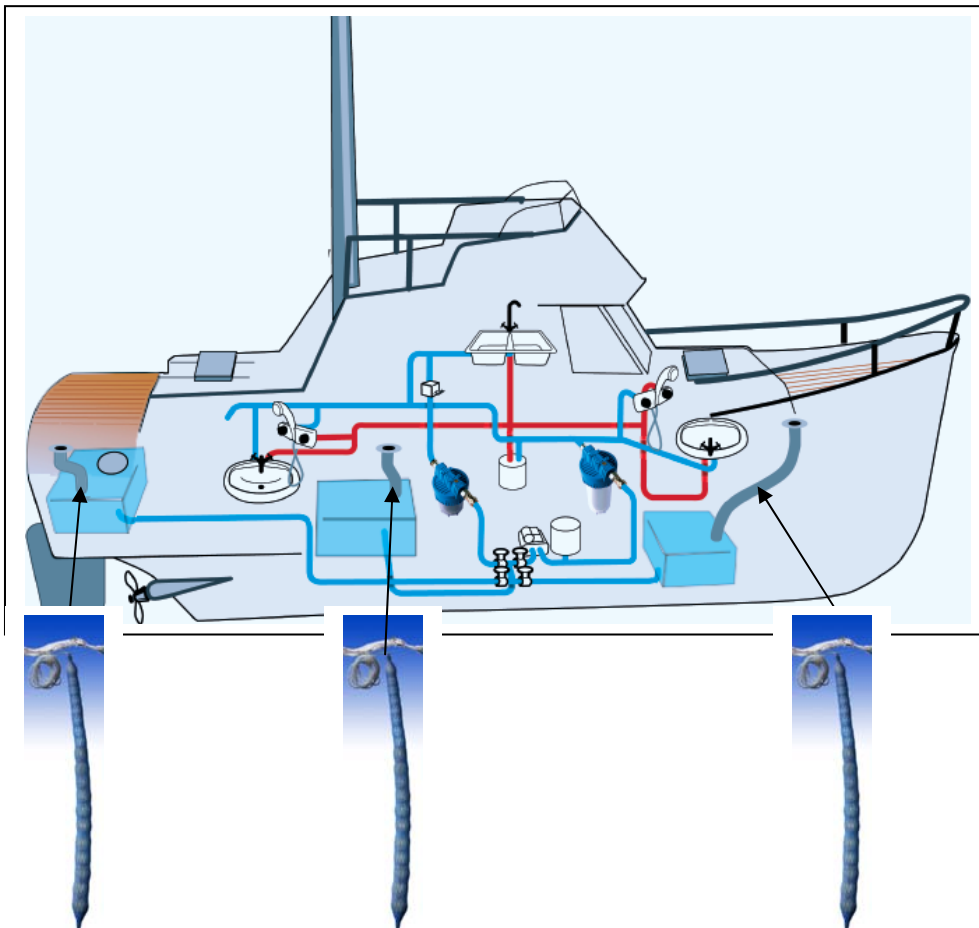
Tank Cleaning and Exchange of the Floats

See above 'Instructions for Plation-Floats in Drinking Water Tanks'.

Installation of Plation®-PNK-Floats and Plation®-PNS-Floats*

1. Remove the protective plastic cover of the Plation-Float.
2. Open the caps of the drinking water tanks.
3. Determine the distance from the tank bottom to the cap and measure the needed length of the fixing cord. At the maximum length of the cord all Plation balls should be covered with water, even at a low water level. Do not choose a longer cord.
4. Find out whether the cord welded with the Plation-Float is long enough.
5. If the cord is too short, you have to extend it, up to the recommended maximum length.
6. Fasten the cord to the chain of the cap of the tank opening.
7. Fill the drinking water tank and insert the Plation-Float.
8. Examine by pulling the cord of the Float, whether it was brought in correctly and whether the Float can swim freely back and forth.
9. Close the cap.

* PNS-Floats were developed particularly for tank openings with a small diameter.



Instructions for Use of Plation®-PNK-Floats and Plation®-PNS-Floats* in Drinking Water Tanks of Motor-Homes and Caravans

Note: Plation-Floats should be inserted into each drinking water tank of a motor home, also into external auxiliary tanks. For an optimal water preservation under most diverse conditions we recommend a combination of Plation-Floats and Plation-Inline-Filters (PIF).

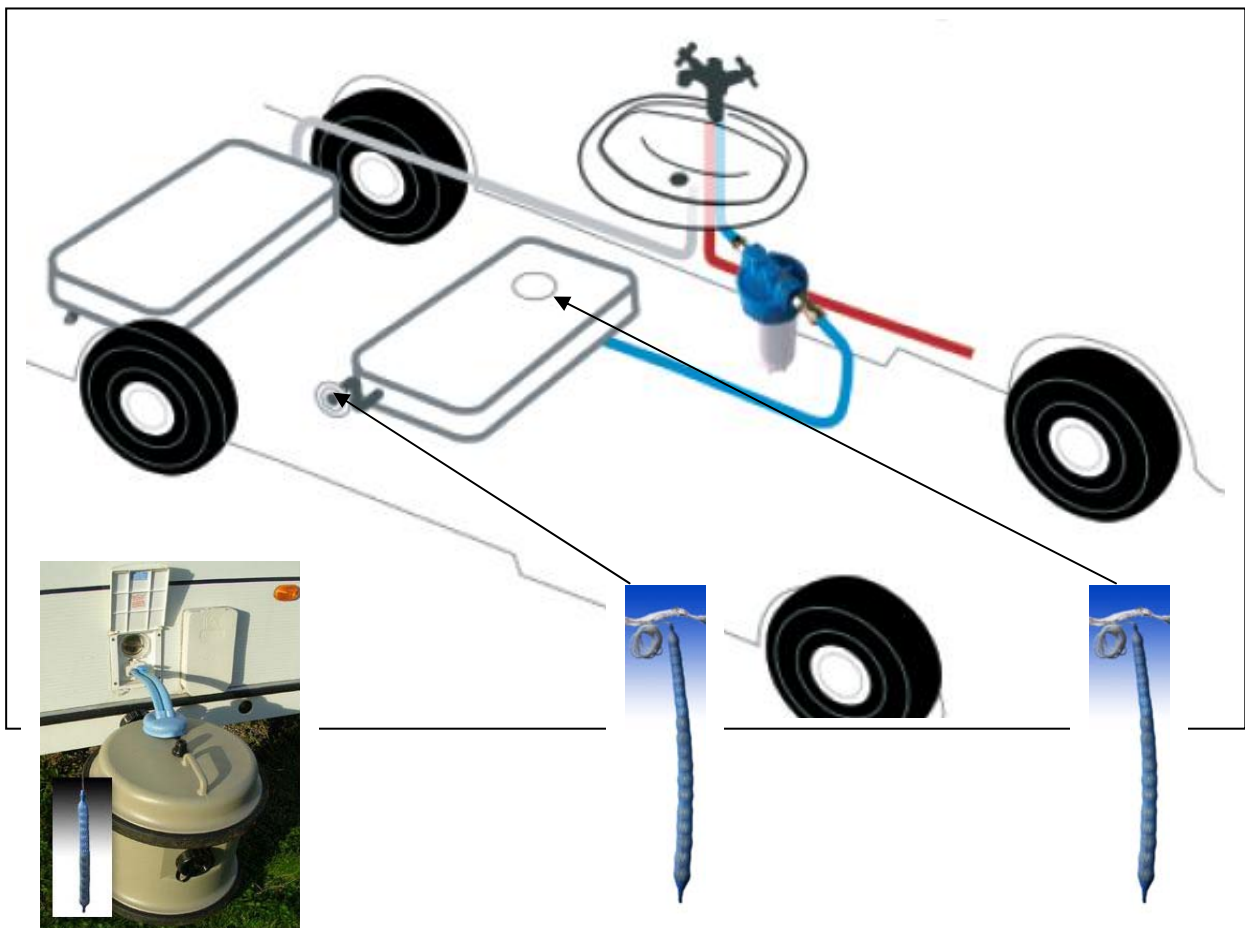
Tank Cleaning and Exchange of the Floats

See above 'Instructions for Plation-Floats in Drinking Water Tanks'.

Installation of Plation®-PNK-Floats and Plation®-PNS-Floats*

See above 'Instructions for Use of Plation-Floats in Drinking Water Tanks of Ships and Boats'. Please follow also for the installation in tanks of motor-homes and caravans the order of the procedures described in the chapter above.

* PNS-Floats were developed particularly for tank openings with a small diameter.



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