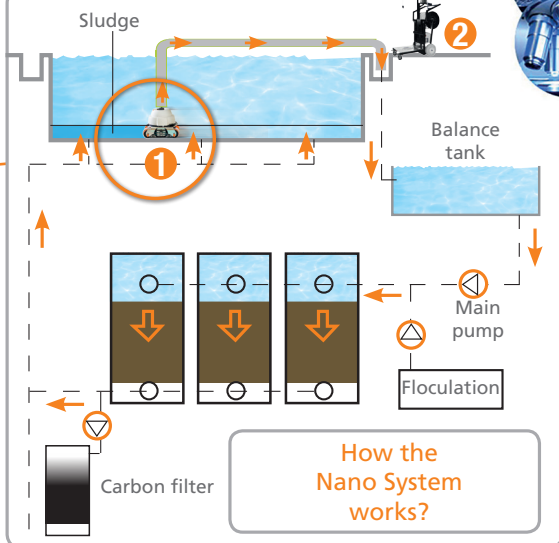




Free demonstration!

Will extract 99.9% of debris including hidden microscopic residue!...



- 2 frame widths
- 4 cable lengths



- 3 types of auto programs
- 3 types of brushes PVA/PVC/Mixte

Nano

System



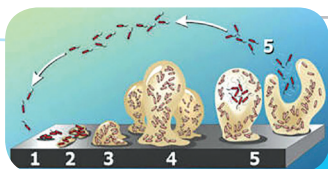
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Commercial swimming pool cleaning solution

Commissioning and Training included



Remove the biofilm, why?

The biofilms is a large quantity of bacteria that is living as a vast colony in the microscopic world (nano world). A biofilm is self-perpetuating and difficult to remove. Worst of all, they like any surface, especially bottom of the pool. Did we mention that biofilms are relatively resistant to chlorine?

How do biofilms form?

Biofilms form on any surface, including the pool walls up to the water line, but love the bottom of the pool (gravity law). There is a 5 steps process to the formation of biofilms: **Attachment**, **Colonisation**, **Protection**, **Growth**, and finally, what we call **Distribution**.

Attachment is just that; the bacteria attaches to the surface. It wants a place to call home and grow. Bacteria want to be in relationships, so it finds a nice surface to settle down and join up with a few of their closest friends.

After attaching to the pool surface with their friends, **Colonisation** takes place as bacteria multiply and divide, growing in number. In the **Protection** stage, the bacteria colony begins protecting itself against invasion. Invasion from environmental factors, «lethal» chemicals (such as chlorine), predators, anything that want to destroy it. In technical terms, the bacteria begins to excrete a protective coating called an «exopolysaccharide» film. The film is sticky or slimy and hearty. Now the biofilm is ready to experience explosive growth.

Growth of biofilms gets bigger and tougher. Super colonies of biofilm are actually absorbing certain chemicals that were meant to destroy them. Now we come full circle to **Distribution** where these broken parts begin to attach to other surfaces or different parts of the same surface. And the cycle begins anew.

These are some of the diseases that can result from the Biofilm: Gastroenteritis, Dysentery, Amoebic dysentery, Cholera, Typhoid, Hepatitis A, Giardiasis, Cryptosporidiosis, Salmonellosis, Shigellosis, Dermatitis. (Centers for Disease Control and Prevention) All this fungus, bacteria, viruses and Protozoe are almost between 0,1 to 4 microns ! That's why a Nano system must to be used in your pool. Isn't be clearer?

HYBRID POOL CLEANER AUTOMATIC ULTRA FILTRATION



36 000 bacterias eggs in the pool bottom...

99% of the «nano debris» are on the bottom of the pool.

Leading research, from American & European, by two completely different industries, indicate that keeping your pool clean may be more important than you might think. Besides being unsightly, we now know that residue on the bottom of the pool, even microscopic residue that you can't see (AKA Biofilm), contain bacteria, germs, chloramines, (& THM's) and other highly undesirable particles that can be hazardous to your swimmers, which will have an impact on your chemical levels and your operating budget.

The NANO System will extract from your pool this biofilm to stop it all in your main filter.

The warranty is 2 years parts and labour. (Excluding consumables).



Presence Sensor water

TECHNICAL DATA

	Nano System M	Nano System XL
Pool length	Up to 25 m	50/60 m
Cleaner width	50 cm	75 cm
Cleaning speed	12 m/min	14 m/min
Suction power	50 m³/h	50 m³/h
Weight out of water/ in water	22 kg/ 3 kg	24 kg/ 3 kg
Cable length	25 m, 32 m, 40 m or 50 m	25 m, 32 m, 40 m or 50 m
Stainless trolley	Winch trolley	Winch trolley
Filtration capacity	3,1 kg	3,1 kg
IR (detection walls)	2 or 4	2 or 4
Power supply	110 v-240 v / 24 v--	110 v-240 v / 24 v--
Booster pump kW	1,0	1,0



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