

# dinax<sup>®</sup>



disinfection pH-regulation flocculation algae-removal filter cleaning water quality control

## SWIMMING POOL **WATER TREATMENT**



# LEGEND

## PACKAGING:



tub



bottle



can



pail



drum



bag



IBC container

## ICONS:



paddling pool



private pool



jacuzzi



hotels, pensions



public pools



pond



# CONTENT

INTRODUCTION.....	4.		
CHEMICALS RECOMMENDED FOR PUBLIC POOLS .....	5-14.	CHEMICALS RECOMMENDED FOR DISTRIBUTORS .....	27-34.
CHLOROUS WATER TREATMENT			
Disinfection.....	6.	Grouping chemicals by pool types table.....	28-29.
pH-regulation.....	8.	Disinfection.....	30.
Flocculation.....	9.	pH-regulation.....	32.
Algae removal .....	10.	Flocculation .....	33.
CHLORINE-FREE WATER TREATMENT		Algae removal.....	34.
Disinfection.....	11.	Pond water treatment.....	35.
pH-regulation.....	12.	WATER QUALITY CONTROL.....	36.
Flocculation.....	13.	Manual measuring devices.....	37.
Algae removal.....	14.	Digital measuring instruments, testers.....	38.
Special chemicals.....	15.	Photometers.....	39.
Surface cleaning.....	17.	Buffer solutions.....	41.
Filter cleaning.....	21.	Reagents .....	42.
Filter media.....	22.	Laboratory.....	43.
Cleaning of heat exchangers.....	24.		
Drinking water treatment.....	25.		
Handling of fill-drainage basin.....	26.		



Founded in 1995, Dinax Ltd is at the disposal of its clients offering its experience gained over several decades. Our operations are guided by the requirements of MSZ EN ISO 9001:2008 standard.



Our products cover the whole scope of water treatment:

- water treatment of commercial and private swimming-pools and whirlpools
- household water purification
- industrial water treatment

**PRODUCTION:**

The majority of our products are made in our own holdings. The experience of our chemical engineers gained over several decades also helps us to place uniquely pure products on the market. All of them have the permission of the National Public Health and Medical Office Service.

**DELIVERY:**

Besides our own production capacity, the ordered products are delivered to all parts of the country by our ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road) licensed trucks. Short delivery times and flexible delivery conditions for the satisfaction of our customers.

**CONSULTANCY:**

Through our consultancy service, we offer after sales service and solutions to our customers, integrated in the price of products. For design firms we are ready to prepare the technology on the basis of which the implementation plans can be created.

This catalog presents the necessary chemicals to be used for treatment of public and private pools and whirlpools. For more information on product related information, visit our website for more detailed descriptions, summaries and calculation assistance for each product.

In our catalog, we have occasionally provided QR codes.





## FOR PUBLIC POOLS

*recommended chemicals*

On the following pages you can find our most basic water treatment facilities recommended for public pools in the following areas:

- disinfection
- pH-regulation
- flocculation
- anti-algae chemicals, algae-preventing agents.

Appropriate products are selected according to the method of disinfection. Firstly, our chlorine-based disinfectants and their related preparations, and a full summary of chlorine-free solutions on the other pages as well as our recommended products.



Take care of safety when using disinfectants. Always read the label and the operating instructions before use.



**DINAX® KLORIN F**

liquid

disinfectant



150 g/l of sodium hypochlorite-containing disinfectant, which is more difficult to decompose and crystallizes less in comparison with other products, commonly used in the manufacturing process. It is recommended for dosing with a chemical dosing pump. Because of the anti-crystallization treatment, it is less likely to be found in the pipes of the chemical dosing system, in its components, in clogging caused by crystals, and in automatic failure.

Packaging:  

**DINAX® KLORIN F with additive**

liquid

disinfectant



It is an upgraded version of DINAX KLORIN F. 150 g/l contains active chlorine. Should be applied with dosing pump. Like DINAX KLORIN F, it is a crystalline-treated product. Thanks to the additive, higher chlorine levels are not found in the pool, and no unpleasant odorous chloramine compounds are produced, but their spectrum is wider than the non-additive version.

Packaging:  

**DINAX® HYPOX F**

liquid

disinfectant



Liquid disinfectant containing 90 g/l sodium hypochlorite as a disinfectant for use with a dosing device.

Packaging:  

**DINADOX® A+B**

liquid + powder

disinfectant



Disinfectant with chlorine dioxide, additional to chlorinated disinfectant. It is an excellent bactericidal biofilm-release formulation, beside dosing it, the free active chlorine can be held on lower value (0.25-0.3 mg/l). Using it the chlorine irritation and the so-called "swimming pool smell" can be significantly reduced. It is strongly recommended to prevent and eliminate Pseudomonas and Legionella contamination. Should be applied with dosing pump.

Packaging:  

ALGA-SOKK P FOR POOLS

granules

disinfectant



Rapidly soluble, solid, granules with 56% active content. The product is mainly used for absorbing algae in water. The agent is also suitable for generating starting disinfectant concentrations when filling the substrate.



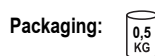
ALGA-SOKK P FOR WHIRPOOLS

granules

disinfectant



Fast-dissolving, solid, 56% active chlorine-containing granules with the same composition as Alga-Sokk P for the pool. For shocking chlorination of water, we recommend the regular, seasonal shock-disinfection of the hydromassage tub tubular system. The agent is also suitable for generating the starting disinfectant concentration when filling jacuzzis.



BLUE SUPER TABS T

tablets

disinfectant



Slowly soluble, 86% chlorine-containing, combined (disinfectant, anti-foaming, floccing) 200 g tablet, which slightly reduces the pH as well. We recommend it for pools without chemical dosing equipment, up to 50 m<sup>3</sup> of water, to be disinfected. Place into the skimmer or floating dispenser



BLUE SUPER TABS WP

tablets

disinfectant



Slowly soluble, 86% chlorine, combined (disinfectant, anti-foaming, floccing) 20 gr tablet, which slightly reduces the pH. We recommend it for smaller sized pools without dosing equipment, for whirlpools, up to 10 m<sup>3</sup> of water, for disinfection. Placed into the skimmer or floating dispenser.



STABILE CHLORINE T

tablets

disinfectant



Slow, evenly soluble, 90% free active chlorine 200g swimming pool disinfectant tablet. For pools without chemical dosing equipment, up to 50 m<sup>3</sup> of water, it is recommended for disinfection, place into the skimmer or floating dispenser.



Take care of safety when using disinfectants.  
Always read the label and the operating instructions before use.

## DINAX® MINUS F

liquid

pH decreasing



We recommend mainly for public pools, or for private pools with dosing pumps. 35-37% sulfuric acid, excellent for dosing with metering pumps. (Higher concentrations of chemicals may damage the metering pumps!)

Packaging:  

## DINAX® PLUS F

liquid

pH-increasing



Liquid for increasing the pH value of water for utility baths. It can be easily controlled with a chemical dosing pump, its effectiveness can be easily measured.

Packaging:  

## DINAX® HIDROMINUS F

liquid

pH-decreasing



Reduces the pH of public utility pools. Should only be dispensed with a metered dispenser.

Packaging: 

## DINAX® MINUS P

granules

pH decreasing



Soluble granules for decreasing pool water pH quickly. Simple to use and can be sprayed directly into the pool water, dosage is easy to calculate. For public pools, we recommend mainly for the continuous maintenance of whirlpools.

Packaging:    


## DINAX® PLUS P

granules

pH-increasing



Soluble granules for quick increase of pool water pH. Its use is one-sided, it can be sprayed directly into the pool water, and dosage is easy to calculate.

Packaging:     





PUBLIC POOLS - WITH CHLORINE

Small, microscopic contaminants in pool water are not visible to eye but in a greater weight they can result an increased opacification of water. This can increase to a degree that the bottom of the pool is no longer clearly visible. To achieve crystal clear, sparkling pool water, these small impurities can be converted to flocculants by means of flocculation, which in this state are already sufficient in size to overcome the filler material of the filter apparatus. In the case of community pools, the flocculating agents are continuous.

The dosing point is practically located in the pre-filter section, ensuring that the agent reaches the filter fill before flushing the pollutants so that they can be filtered out of the water immediately.

Important:


- we do not recommend the continuous addition of the flocculant to the equalizing tank or after the filter as the flakes are deposited and accumulate at the bottom of the pool
- in case of overdose of the substances the opacification of water may be increased
- keeping the pool water's pH below 7.4 is a very important factor in preserving the efficiency of the flocculants.

DINAX® FLOCK F *liquid*

flocculant



Flocculant containing polyaluminum chloride. In the case of opalization, however, it is recommended that in frequently used pools it is offered as a prophylactic treatment for continuous dosing. It is dosed before the filter device with metering pump

Packaging:  25 KG

DINAX® FLOCK P *granules*

flocculant



A flocculant can be used with any disinfectant to aid the quicker purification of pool water. The agent is dissolved in water and then poured directly into the pool water.

Packaging:  0,5 KG  5 KG

DINAX® CARBON FLOCK F *liquid*

flocculant



Liquid flocculating agent with activated charcoal. In addition to the filtering device, it captures the bound chlorine and organic content of water, which is flushed out on the filter with the filterable contaminants.

Packaging:  5 KG



Due to strong sunshine and the stagnated areas of the pool, the concentration of active chlorine easily decreases, thus allowing algae to appear. The phenomenon starts with opacification first, but there may be a slimy touch on the pool cover and the appearance of green spots. The process can be prevented by using anti-algae agents.

Important information:

- algae inhibitors are to be applied once a week, and may become ineffective when administered frequently
- can be applied only for prophylaxis, chlorine shock is suggested to eliminate the algae that has been formed

In pool water susceptible to algae, a very effective method of prevention is to bind the nutrients of the algae, the phosphate compounds, which the algae cannot utilize as nutrients. For this purpose we have developed our phosphate-reducing (decreasing) fluids, which can be dosed continuously or if it's necessary. Due to their immediate phosphate-reducing effect, the destruction of algae begins within a short period of time and the water can be kept algae-free without long-term use. Phosphate levels above 0.2 mg/l may cause recurrence of algae problems.

This can be measured with a test strip, photometer, or we can test the parameters from water samples in our laboratory.

*Be aware of safety when applying anti-algae agents! Always read the label and the operating instructions before use.*

### ALGI-CID

liquid

algae removal



It is an effective algae-preventing agent with extremely broad spectrum. Dosed weekly or bi-weekly, in problematic pools can prevent algae formation. It is effective at all pH values. It does not cause foaming if dosed at high concentrations. It can also be used with chlorine-free agents.

Packaging:

### CHLORALGIN

liquid

algae removal



Algae-preventing agent with wide spectrum. Weekly or bi-weekly dosed, in problematic pools can prevent algae formation.

Packaging:

### DINAX PHOSPHATE MINUS NORMAL

liquid

algae-prevention with phosphate removal



Reduction of phosphate concentration of public pools. It has a delayed, indirect effect to eliminate algae. It is strongly recommended that the composition be added to the filling water proportionally to its phosphate content. In the phosphate-decontaminated swimming pool algae development is reduced.

Packaging:

### DINAX PHOSPHATE MINUS EXTRA

liquid

algae-prevention with phosphate removal



To reduce the increased phosphate concentration of public and private pools, to prevent recurrent algae. It has a rapid effect to eliminate algae. It is recommended for occasional use by manual dosing in the amount calculated by the label, based on the measured phosphate level.

Packaging:

Dinax Ltd. is the market leader in Hungary for chlorine-free disinfectants. These authorized products contain active oxygen and they are significantly more stable than technical-grade peroxide. In addition, they contain some further components that enhance their efficiency.

It does not alter the composition of the thermal water and can therefore be used for disinfection of filling and drainage pools. In public swimming-pools and baths the use of **DEWAN®-50** and **DEWAN®-35**, while in private swimming-pools and whirlpools **DEWAN®-18** is recommended.

Although it is not so widespread yet, chlorine-free disinfection has numerous advantages, which are listed below:

- it does not dry out skin,
- it does not irritate the eye,
- it has no odour,
- it does not react with other components in water,
- no harmful substances are produced,
- it decomposes without residuals,
- it does not affect the pH level of water, and its effectiveness is independent of it,
- also effective against chlorine-resistant bacteria (Pseudomonas, Staphilococcus, Legionella).

**DEWAN®-50** liquid

disinfectant



Stabilized, disinfectant with broad spectrum. It is also effective against Pseudomonas, Staphylococcus and Legionella bacteria, can also be used for periodic disinfection when they appear. It can also be used unlimited for high- ammonia-content water. It can be fed only with dosing pumps.

Packaging:

**DEWAN®-35** liquid

disinfectant



Providing the same effect as DEWAN®-50 in smaller concentration. This product does not modify the composition of thermal waters, as a result it can be applied to disinfect even pools with a fill-discharge water system. DEWAN® -35 is a wide-spectrum disinfectant effective against Pseudomonas Aeruginosa, Staphylococcus and Legionella bacteria, so it can be used also for periodic disinfection at the moment when they appear in the pool. It can be used unlimited in waters with high ammonium content.

Packaging:

**DEWAN®-18** liquid

disinfectant



The dispensing-facilitated version of DEWAN®-50, developed for disinfection of pans, whirlpools and jacuzzis. The product can be used for all swimming pools with water recirculation and filtering systems. It can be dispensed with a peristaltic pump or manual metering. It can also be used for disinfecting surfaces. Wide spectrum disinfectant with all the benefits of DEWAN®-50.

Packaging:



*Take care of safety when using disinfectants. Always read the label and the operating instructions before use.*



The pH of the water shows the acidity-alkalinity of the water. The neutral pH value is 7.0. Values above 7.4 are no longer recommended.

**Reasons:**

- practically all chemical water treatment is optimally effective in between the range of 7.2 - 7.4
- at a high pH there is a strongly increased tendency for limescale to form
- pH value above 7.8 and below 6.8 may irritate bathers' skin.

Although the effectiveness of chlorine-free disinfectants is not influenced by the pH, due to the latter two reasons, keeping the pH in the range of 7.2 to 7.4 is an essential part of bathing water treatment.

**DINAX® MINUS F**

liquid

pH decreasing



We recommend mainly for public pools or for private pools with metering pumps. 35-37% sulfuric acid, excellent for dispensing with metering pumps. (Higher concentrations of agents may damage metering pumps!)

Packaging: 25 KG IBC

**DINAX® PLUS F**

liquid

pH increasing



Liquid for increasing the pH value of water for utility baths. It can be easily controlled with a chemical dosing pump, its effectiveness can be easily measured.

Packaging: 25 KG IBC

**DINAX® MINUS P**

granules

pH decreasing



Soluble granules to quickly lower pool water pH. Use is simple as it can be, sprayed directly into pool water, and dosage is easy to calculate. For public users, we recommend the continuous maintenance of whirlpools.

Packaging: 1 KG 5 KG 10 KG 25 KG

**DINAX® PLUS P**

granules

pH increasing



Soluble granules for quick increase of pool water pH. Its use is one-sided, it can be sprayed directly into the pool water, and dosage is easy to calculate

Packaging: 0,5 KG 1 KG 5 KG 10 KG 25 KG

Small, microscopic contaminants in pool water are not visible to the eye but result in increased opacification of water. This can increase to a degree that the bottom of the pool is no longer clearly visible. To achieve crystal clear, sparkling pool water, these small impurities can be converted to flocculants by means of flocculation, which in this state are already sufficient in size to overcome the filler material of the filter apparatus. In the case of community pools, the flocculating agents are continuous. The dosing point is practically located in the pre-filter section, ensuring that the agent reaches the filter fill before flushing the pollutants so that they can be filtered out of the water immediately.

Important:

- we do not recommend the continuous addition of the flocculant to the equalizing tank or after the filter as the flakes are deposited and accumulate at the bottom of the pool
- in case of overdose of the substances the opacification of water may be increased
- keeping the pool water's pH below 7.4 is a very important factor in preserving the efficiency of the flocculants.


DINAX® FLOCK F

liquid

flocculant



Flocculant containing polyaluminum chloride. In the case of opalization, however, it is recommended that in frequently used pools it is offered as a prophylactic treatment for continuous dosing. It is dosed before the filter device with metering pump.

Packaging:  25 KG

DINAX® FLOCK P

granules

flocculant



A flocculant can be used with any disinfectant to aid the quicker purification of pool water. The agent is dissolved in water and then poured directly into the pool water.

Packaging:  0,5 KG  5 KG



Due to the effect of hot sunshine and areas of still water in the pool, algae can appear as the concentration of chlorine is depleted. Algae are plant microorganisms that serve as a medium for bacteria. When they are exhausted, they first cause aesthetic problems (obscure, greenish water), which, if not treated properly, can be physically disturbed by the fibrous, knotty or gelatinous fluid that floats in the water, thus making the sand filter useless.

Apart from the fact that certain algae can directly endanger our health, the greatest risk of algae is that algae that grow in water will consume the disinfectant, thus enabling the growth of truly dangerous bacteria.

## ALGI-CID

liquid

algae prevention



It has an extremely broad spectrum offering an effective algae-preventing agent. Dosed weekly or bi-weekly, algae formation in problematic pools can be prevented. It is effective at all pH values. It does not cause foaming when administered at high concentrations. It is especially suitable for chlorine-free agents.

Packaging: 1 KG 3 KG 5 KG 20 KG

In pool water susceptible to algae, a very effective method of prevention is the binding of the nutrients of the algae, and the phosphate compounds, which the algae cannot utilize as nutrients.

For this purpose, our phosphate-reducing fluids have been developed, which are either given as needed or continuously. Due to their immediate phosphate-reducing effect, the destruction of algae begins within a short period of time and the water can be kept algae-free without long-term use. Phosphate levels may cause over recurrence of algal problems above 0.2 mg/l. With measuring strips, photometers and our laboratory, we are able to test the parameters from the imported water sample.



Be aware of safety when applying anti-algae agents!  
Always read the label and the operating instructions before use.

## DINAX PHOSPHATE MINUS NORMAL

liquid

algae-prevention with phosphate removal



For reduction of the phosphate concentration of public pools. It has a delayed, indirect effect to eliminate algae. It is strongly recommended that the composition be added to the filling or top-up water proportionally to its phosphate content. The algal formation of this phosphate-free swimming pool is extremely small.

Packaging: 10 KG



Take care of safety when using disinfectants.  
Always read the label and the operating instructions before use!



## DINASAN P

granules

cleaning and disinfecting whirlpools



Cleaning and disinfecting agent for the cleaning of massage tubs and associated wires, and blowers. It is used to remove organic contaminants (biofilm, oils, soap and greasy deposits) on hard-to-reach surfaces. Thanks to its disinfectant content, it cleans and disinfects in one step. In the case of highly polluted systems, we suggest supplementing our Alga-Sokk P.

Packaging:  

## DINAX® HABSTOP F

liquid

anti-foaming



Effectively reduces foaming caused by body lotion or other substances. It is primarily recommended for whirlpools, but it can also be used for larger pools if necessary.

Packaging:   

## ZERO-CHLORINE P

granules

disinfectant level reduction



Acidic white powder that is suitable for reducing the free chlorine content or active oxygen (DEWAN) content of swimming pool water.

Packaging:   



## MICROCAT® SPH-CW & ENZ

liquid

biofilm removal



Recommended agent for removing biofilms for spas and whirlpools. Advantage of enzymatic cleaning: effective cleaning; does not have an impact on the environment and health for users and equipment; it helps to keep the pipe system clean.

Packaging:  

## DINAX® METAL MAGIC F

liquid

prevention of iron, manganese and calcium deposit



Prevents lime deposit in the pool water. It is excellent for removing metal and lime deposits (limescale) deposited on the wall of the pool and on the bottom, protecting the pool and the water treatment system from the deposition of limescale, preventing the discoloration caused by metals in the water (eg iron). Prior to the addition of chlorine disinfectants, it is advisable to add it to the pool water when it is filled, and then added as a proportion of top-up water.

Packaging:

## BIOPOOL G

liquid

grease-formation inhibitor



It is a biodegradable enzyme that cleans the greasy, oily contaminants accumulating in water. The formation of a oily scum on the periphery of the pool is prevented, and its effect is one month. It helps to lower foaming in pools, whirlpools, increase filtration performance and improve bacterial conditions. To be dosed weekly. We especially recommend this product for swimming pools (e.g. whirlpools, adventure pools, learning pools).

Packaging:

## DINAX® WINTERIZER

liquid

winterizer



Winter conservation for seasonal pools. Its strong anti-foaming properties prevent its algae formation during the winter. Before application, use ALGA-SOKK® P.

Packaging:

## DINAX® ALKALINE PLUS P

granules

alkalinity increaser



To increase the pH buffer capacity of low-alkalinity (permanently acidic) pool waters, the water balance adjuster. By adjusting the water balance, the corrosive property of the water ceases.

Packaging:



Take care of safety when using disinfectants. Always read the label and the operating instructions before use!



DE-VÍZKŐ F

liquid

descaling



It is recommended for cleaning of sand filters, pools and piping systems. Suitable for general use, applied in dilution of 1:1-1:20, removes solid impurities deposited on surfaces. Primarily recommended for scale deposits, but for example, it also efficiently dissolves iron deposits. It is recommended to use it after unplugging the unit.

Packaging: 1 KG, 10 KG, 25 KG

DE-VÍZKŐ G

gel

descaling



Due to the nature of the gel, it is also possible to use a descaling agent on vertical and horizontal wall surfaces. Suitable for surface plastering of acrylic bathtubs, foil tiles, tiled mosaic tiles. Surface cleaning agent for off-site use.

Packaging: 0,5 KG, 1 KG, 5 KG, 10 KG, 20 KG

DE-VÍZKŐ P

granulates

descaling



Suitable for general use, removing solids from the surface, especially lime. Suitable for sand filters, pools, piping systems, heat exchangers and salt electrolysis cells. It is recommended that the unit be disassembled when used.

Packaging: 0,5 KG, 5 KG, 10 KG, 25 KG

DE-VÍZKŐ GW

gel

descaling



Chrome-plated steel surfaces, acrylic bathtubs, foil, tiled, mosaic-covered pools, designed for flat descaling. It is also suitable for decalcification of heat exchanger, using CIP pump.

Packaging: 1 KG, 10 KG

DE-VÍZKŐ GP

gel

decalcification and dissolution of metallic cracks



A gelled liquid can be used for the decalcification of stainless steel surfaces, acrylic bathtubs, foil tiles, mosaic-covered surfaces and removal of metallic deposits. It is excellent for removing iron, manganese cracks (brownish, greyish stains).

Packaging: 1 KG, 5 KG, 10 KG

DE-VÍZKŐ PSF

liquid

decalcification, dissolution of silicates



An acid mix suitable for dissolving the limescale and silicic acid in surfaces and filters. We recommend it for professional use only. Depending on the contamination, it can also be ordered with a higher active ingredient content. Available variants: De-Vízkő PSF 10, ~ 20, ~ 30.

Packaging: 20 KG


## DE-VÍZKŐ FS

liquid

descaling



It is suitable for horizontal, tiled surfaces and scaled filter media, liquid with hydrochloric acid. For professional use only.

Packaging: 

## INTERACID

liquid

descaling



Liquid for cleaning tile, faience and ceramic tiles (toilets, wash basins, tiled swimming pools, etc.). As it is a very strong product, it is recommended to use diluted. For professional use only.

Packaging:  

## SURFACE DESCALING AGENTS

table

Surface type	For horizontal surfaces (liquid)				For vertical and horizontal surfaces (gel)			Equipment (powder)
	DE-VÍZKŐ F	INTERACID	DE-VÍZKŐ PSF	DE-VÍZKŐ FS	DE-VÍZKŐ G	DE-VÍZKŐ GP	DE-VÍZKŐ GW	DE-VÍZKŐ P
Application	tile cleaner	tile and faience cleaner	scale and silica deposit removal liquid	limescale dissolving liquid	tile cleaner surface scale dissolving gel	surface scale dissolving for stainless surfaces too	surface scale dissolving gel for chromated surfaces too	agents for dissolving solid deposits (granule)
Acrylic bathtub	+++	-	-	-	+++	++	++	+
Foil	+++	-	-	-	+++	++	++	+
Tile	+++	+++	++	+++	++	+++	++	+
Mosaic surfaces	+++	+++	++	+++	++	+++	++	+
Non-corrosive surfaces	-	-	-	-	+	+++	++	+
Chromium plated surfaces	-	-	-	-	-	-	+++	+
Filter media	+	+	+++	+++	-	-	-	+
Salt chlorine generators	-	-	-	-	-	-	-	+++
Washing machines, dishwashing	-	-	-	-	-	-	-	+++
Whirlpools (whole system)	-	-	-	-	-	-	-	+++
Heat exchanger circo, boilers	-	-	-	-	-	-	+	+

**Note:** The efficiency of the descaler is typically determined by the type of scale. Indications indicate the frequency of use in the given surface. Where you see the + sign, you can use the agent boldly on the selected surface. Occasionally, it may be necessary to try more than one drug to remove limescale.

(+ - occasionally, ++ - often, +++ - most commonly used on these surfaces / for these purposes, - - not recommended)

**DINAX® DESCALER F**

liquid

removing stubborn dirt



Extremely effective surface anti-scaling agent for professional use only. Tiles, sanitary ware, aluminum, stainless steel equipment for cleaning and surface decalcification. In case of engraved cover can also be used to remove greasy dirt. Quickly and efficiently removes limescale, rust, metal dust, limestone deposits, etc.

Packaging:  



**DINAX® SZEGÉLYTISZTÍTÓ F**

liquid

oily scum removal



Its application allows the cleaning of swimming pools and baths above the waterline. The edge cleanser is gelled, so it is particularly suitable for handling vertical surfaces. It can be washed into the pool-water.

Packaging:    


**DINAX® COVER CLEANER F**

liquid

roll-up cleaner



We recommend the removal of calcium deposits from pool covers, shutters, blinds, covers, tiles, stainless and other bright surfaces. Recommended frequency: as desired, but a minimum of twice a year.

Packaging: 





Take care of safety when using disinfectants. Always read the label and the operating instructions before use.


**DINAX® CLEANER F**

liquid

shower cabin cleaning



We recommend it mainly for showers, but it is also suitable for cleaning swimming pools and whirlpool surfaces. It cleans the scaled, greasy deposits.

Packaging: 

**DINAX® WATER REPELLENT F**


liquid

shower cabin cleaning



It is perfect for treating shiny, water-contact surfaces. The surface (shower, tile, window glass, car windscreen, etc.) will be water-repellent and durable. It can be used on both glass and plastic surfaces.

Prior to use, thorough cleaning of the surface with Dinax Cleaner F is recommended.

Packaging: 

**DINAX® DESINETTE F**

liquid

general surface cleaning agent



Dinax® Desinette F can be used for surface cleaning of saunas and solariums, to remove greasy dirt and limescale. The product will achieve the desired effect on the surface when it's on a foam format. It is a great advantage that after use it is not necessary to wash the treated surface. We recommend for both professional and residential users.

Packaging:   


**DEWAN®-7**

liquid

surface disinfectant



Dewan®-7 is further diluted for disinfection of water, especially for whirlpools and paddles. It is excellent for chlorine-free disinfection of bathing surfaces. We recommend for both professional and residential users.

Packaging: 





**DINAX® FILTER CLEANER F**

liquid

filter descaling



Acid liquid developed for decalcification of sand filters and filter inserts. It can be used on paper or so-called harmonic filters too. The product must not come into contact with pool water. We recommend for both professional and residential users.

Packaging:  


**DINAX® FILTER KONDI WP**

tablet

filter cleaning



Regular or periodic cleaning of highly contaminated paper filter cartridges for whirlpools or seasonal garden pools. It has a great biofilm-separating effect. It can also be used for direct cleaning of the sand filter. In addition to chlorine technology, we recommend treatment every month and for chlorine-free disinfection every two months.

Packaging: 


**DINAX® FILTER FIZZY P**

granulates

filter cleaning



Filter cleaning powder, which is excellent for cleaning the paper filter of jacuzzis and pot-ers, removing the mineral (inorganic) impurities depositing on the filter.

Packaging: 


**DE-VÍZKŐ PSF**

liquid

descaling



It is designed to dissolve a significant amount of limescale and silicic acid in the filtration filling by developing a suitable acid mix for the soaking or circulating washing of the filler. We recommend it for professional use only. Depending on the contamination, it can be ordered with different levels of active ingredients. Available versions: De-Vízkö PSF 10, ~ 20, ~ 30.

Packaging: 



As a filling of the filtering equipment of the water circulating pool, we offer the filling materials shown on the following two pages. When choosing the right material, beyond the economic aspects, the quality of the circulated water can also be an important factor.


### GREEN GLASS

filter media



Recycled glass filter material that is much more effective than sand: it provides greater water purity and better water quality. Its smooth micro-surface has self-sterilizing and oxidizing properties, less soils with fats, lipids and biological growths. It helps to reduce the carcinogenic byproduct of chlorinated disinfectants, trichloramines. To regain approx. half the water is needed as for sand filters.

Particle sizes: 0.5 to 1.0 mm; 1.0-2.0 mm; 2.0-6.0 mm


Packaging:  25 KG

### DINAX PAMACS

filter media



Filter material made of closed polymer fibers. Its great advantage is that it can be easily replaced because of its low weight: 1 bag of sand that weighs only 0.5 kg. Back-washable, shock-absorbable filling, 1 micron filter. After resuming it regains its shape. Also washable in a washing machine.

Packaging:  0,5 KG


### BURNT QUARZ SAND

filter media



Burnt quartz sand has significantly improved filtration and purification capabilities than washed quartz sand. The reason for this is the incineration process in which organic contaminants burn. Burnt quartz sand does not contain any organic impurities or clay in which bacteria and microorganisms might settle down.

Particle sizes: 0.4 to 0.8 mm; 0.6-1.2 mm; 1.6-2.5 mm; 3.0-5.0 mm

Packaging:  25 KG



PUBLIC POOLS

ANTHRACIT

filter media



In multilayer mixed swimming pool filtration equipment, this is the most commonly used material in addition to quartz sand.

Application: removal of floats and turbidity, fine filtration.

Benefits: more efficient filtering, less waste water, higher filtration speed, longer service life.

Packaging:



ACTIVATED CARBON AQUASORB CS

filter media



Steam-activated, selected coconut shell material. High quality product developed for high-purity technology, primarily for drinking water purification technologies. Due to its extremely large surface area it is able to absorb significant amounts of (chlorinated) organic matter, aromatic hydrocarbons and other organic derivatives. By layered to the top 15 cm of the sand filter, it effectively removes the knit chlorine content of the swirling pool water (e.g. RO protection).

Packaging:



MICROCARBON FLUID 1.5

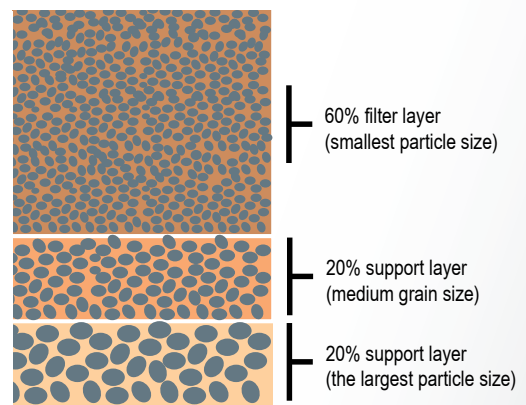
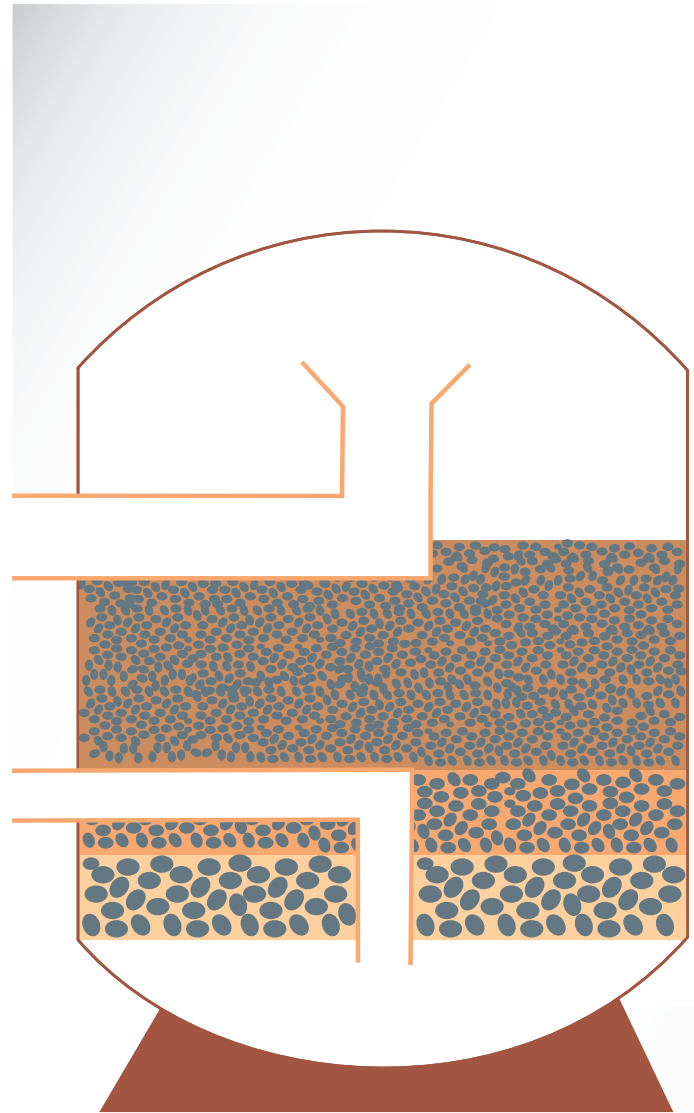
liquid

additive for diatomaceous earth

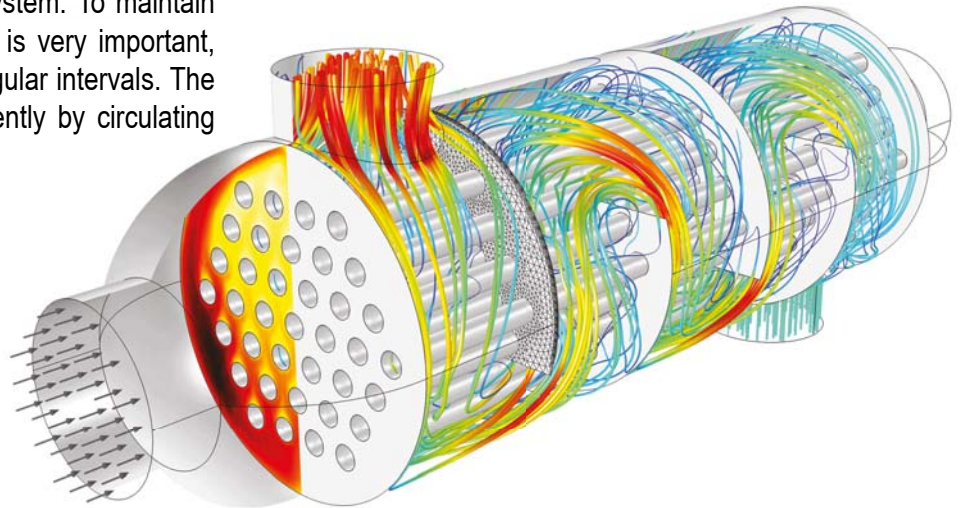


Conserved water solution of activated carbon fine powder equal to diatomaceous earth filters, to reduce bound chlorine levels. The product can be uniformly applied to the filter plates when mixed with diatomaceous earth. In the case of chlorine disinfection, the amount of bound chlorine can be effectively reduced by the use of activated charcoal to prevent the exchange of water due to chlorine growth. The product should be added to the filter container when replacing the diatomaceous earth.

Packaging:



The heat exchanger is one of the most delicate components of the water recirculation system. To maintain its level of efficiency, its cleanliness is very important, thus saving money and energy at regular intervals. The operation can be solved most efficiently by circulating the proper agent.



CIP PUMP

DINACLEAN C 540G P


powder

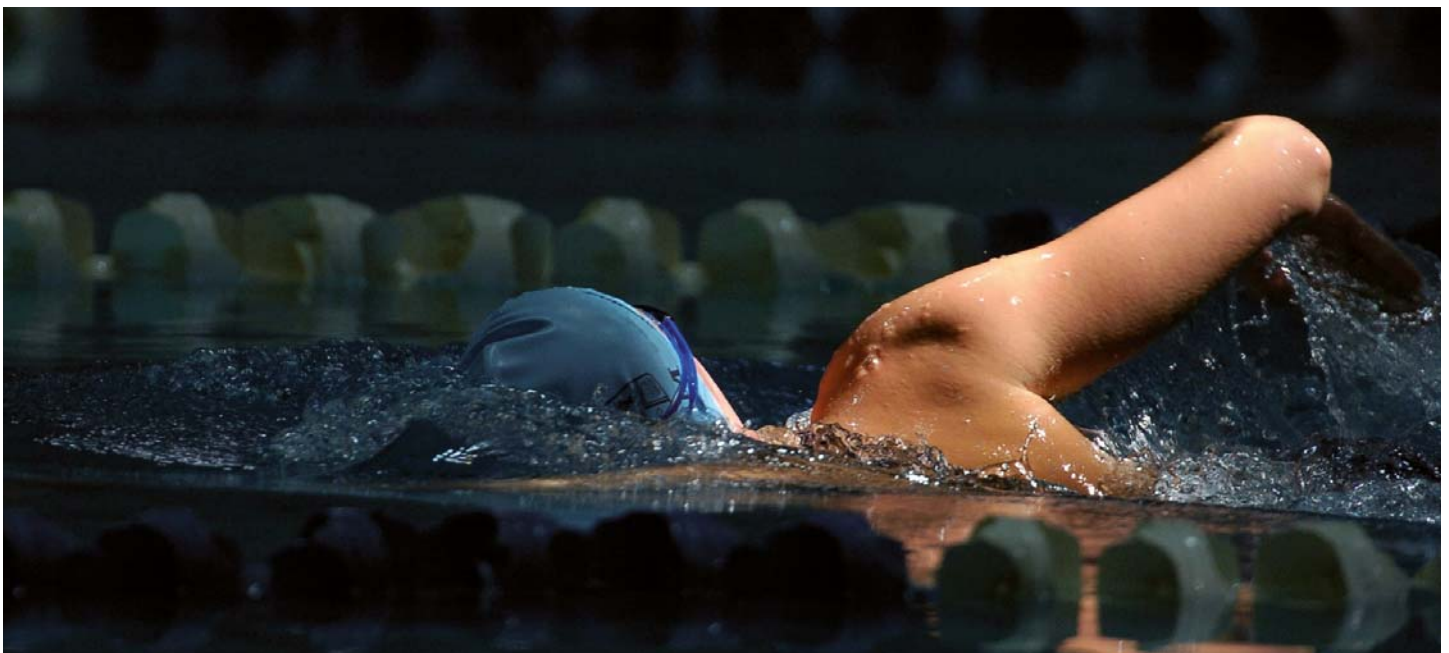


High performance, chemically resistant centrifugal pump, in a scaled, translucent, chemical resistant container. The flow direction of the chemical fluid can be adjusted with a reversing valve.

Application: decalcification, disinfection and other chemical treatment of circular furnace boilers, heat exchangers, radiators, heating systems, water treatment plants.

It effectively dissolves deposits formed by galvanic metals (eg heat exchangers, evaporative condensers, air washes, refrigerators, etc.). It is recommended that the solution from the product be circulated by a CIP pump.

Packaging: 





For the pretreatment of incoming water or the disinfection of raw water, our company offers the following chlorine and chlorine-free solutions. For continuous dosing of the agents, Navidos is a volumetric chemical dispensing system that supplies the disinfectant in proportion to the flow of water to be treated.



DEWASIL

liquid

chlorine-free drinking water disinfectant



Colorless, odorless, durable, hydrogen peroxide and silver-based, effective bacterial, viral and fungicidal product. Biologically completely degradable material is harmless to health, does not change the pH of the water, does not cause corrosion, does not cause foaming, taste or odor change, can be applied to warm water (up to 95 °C). The cost of scraping for traditional disinfectants is no more expensive. Long-term product can be used for two years.

Packaging: 10 KG, 20 KG, IBC

DINOX 03

liquid+powder

chlorine-free (active oxygen) drinking water disinfectant



Content: 3 g/l of chlorine dioxide, two components (disinfectant at the site use). In closed systems (drinking water network) it can be used on its own. By preventing biofilm formation, it effectively destroys, among other things, Pseudomonas and Legionella bacteria.

Packaging: 20 KG

DINAX KLORIN F

liquid

chlorinated drinking water disinfectant



Disinfectant with 150 g / l of active chlorine content, for chlorinated disinfection of drinking water, disinfection of filling water (if disinfection of the bathing water is also done with a chlorinated formulation). Due to the manufacturing process, it decomposes at a slower rate and is less likely to crystallize compared with commonly used similar agents.

Packaging: 25 KG, IBC



Take care of safety when using disinfectants. Always read the label and the operating instructions before use.

According to Decree 37/1996 on public health conditions for the establishment and operation of public baths in the case of filling and drainage systems disinfectant can be dosed if:

- the hydraulic design of the pool is adequate, i.e. continuous and even water movement is provided at all points of the pool (section 4, paragraph 1) and
- in the case of a medicinal pool, the recognized mineral water used for filling the pool, medicinal water is of medicinal value, its biologically active ingredients are not impaired by disinfection
- the county government agency has contributed to the disinfection.

For disinfection of filling and drainage basins, the DEWAN® range is excellent because it does not change the composition of the medicinal water. The product also has the following advantages:

- nem szárítja ki a bőrt,
- does not irritate the eyes,
- odorless,
- does not contact any other substances in water,
- no harmful substances are produced,
- decomposition without residual,
- does not affect the pH of the water and its effectiveness is independent of it,
- also effective against chlorine-resistant bacteria (Pseudomonas, Staphilococcus, Legionella)

## DEWAN®-50

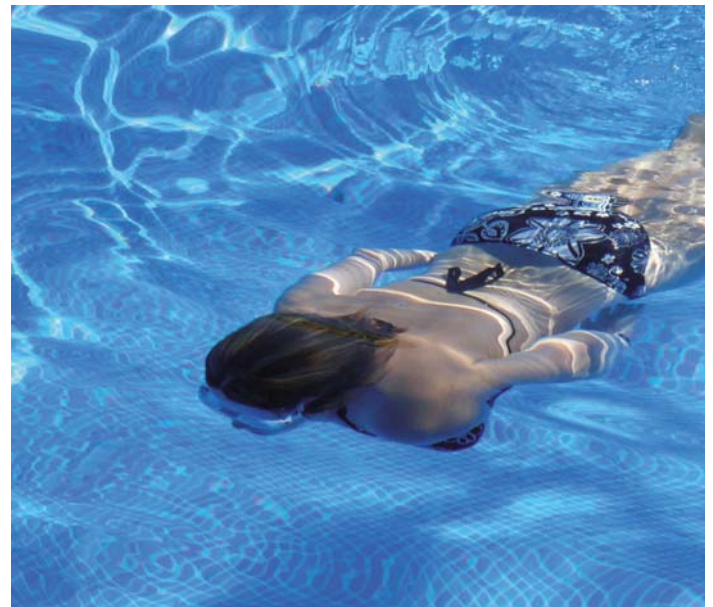
liquid

disinfectant



It is a stabilized, broad spectrum disinfectant with 50% hydrogen peroxide content. It is effective against bacteria of Pseudomonas, Staphylococcus and Legionella, and can also be used for periodic disinfection. In case of high ammonium- containing water, it is unlimited to use. It can be fed only with metering pumps.

Packaging: 10 KG 25 KG IBC



Take care of safety when using disinfectants.  
Always read the label and the operating instructions before use.

## NAVIDOS

volume-controlled chemical dispenser



Volume-controlled Dosing Device, consisting of transducer water meter, Dinax Pump Control Module Transducer Unit and Stenner Pump. The unit controls the metering pump at impulse (according to the pulses of the water meter), which in turn supplies the disinfectant exactly as a function of water supply. The unit can be ordered with a water meter with 1/2"-2" connection. Especially recommended for fill-drainage pools, where the proportionally dispensed disinfectant can be a solution to bacteriological problems.



## FOR DISTRIBUTORS

*agents recommended for private pools*

On the following pages we summarize our most basic water treatment chemicals recommended for private pools in the following themes:

- disinfection
- pH-regulation
- flocculation
- algae-preventing agents

We also recommend special tools, cleaners and filtering materials in our catalog from page 15 until 22.

*Take care of safety when using disinfectants. Always read the label and the operating instructions before use.*

## GROUPING CHEMICALS BY POOL TYPES

table

Functions	Inflatable paddling pools without water circulation	Soft-walled basins with water circulation	Console furnace basins with water circulation, skimmer	Rigid shell shaped whirlpools / jacuzzis	Built-in pools with skimmer and stretched water with scaled water circulation
DISINFECTION chlorine free	DEWAN-3 DEWAN-7 5 kg 10 kg	DEWAN-7 DEWAN-18 10 kg 5 kg	DEWAN-18 10 kg	DEWAN-18 5 kg 10 kg	DEWAN-18 DEWAN-35 10 kg 25 kg 25 kg 25 kg
with chlorine	ALGA-SOKK P for pools 0,5 kg	BLUE SUPER TABS WP ALGA-SOKK WP ALGA-SOKK P for pools 0,5 kg 0,5 kg 0,5 kg	BLUE SUPER TABS T STABLE CHLORINE T ALGA-SOKK P for pools 1-5 kg 1-5 kg 0,5-5 kg	BLUE SUPER TABS WP ALGA-SOKK WP ALGA-SOKK P for pools 0,5 kg 0,5 kg 0,5 kg	DINAX KLORIN F DINAX KLORIN F with additives BLUE SUPER TABS T STABLE CHLORINE T ALGA-SOKK P for pools 25 kg 25kg 5-10 kg 5-10 kg 1-5 kg
pH DECREASE	CHANGE WATER	DINAX MINUS P 1 kg	DINAX MINUS P 1-10 kg	DINAX MINUS P 1-5 kg	DINAX MINUS P DINAX MINUS F 5-10 kg 25 kg
FLOCCULATION	CHANGE WATER	DINAX FLOCCULANT gettablet DINAX FLOCK F DINAX FLOCK P with sacks 2x90 gr. 100 ml 3x125 gr.	DINAX FLOCCULANT gettablet DINAX FLOCK F DINAX FLOCK P with sacks 2x90 gr. 100 ml 3x125 gr.	CHANGE WATER	DINAX FLOCCULANT gettablet DINAX FLOCK F DINAX FLOCK P with sacks 2x90 gr. 100 ml 3x125 gr.
FILTER	CHANGE WATER	DINAX PAMACS measured on demand	DINAX PAMACS measured on demand GREEN SAND (sacks) 25 kg	PAPER FILTER (MANUFACTORY)	DINAX PAMACS (sacks) GREEN SAND (sacks) BURNT QUARTZ SAND (sacks) 0,5 kg 25 kg 25 kg
ALGAE ELIMINATION	CHANGE WATER	ALGI-CID CHLORALGIN CHANGE WATER 1 kg 1 kg	ALGI-CID CHLORALGIN 1 kg 1 kg		ALGI-CID CHLORALGIN 3-5 kg 3-5 kg
PHOSPHATE LEVEL DECREASE	CHANGE WATER	CHANGE WATER	DINAX PHOSPHATE MINUS EXTRA 1 kg		DINAX PHOSPHATE MINUS EXTRA 1-10 kg

Take care of safety when using disinfectants. Always read the label and the operating instructions before use.

## GROUPING CHEMICALS BY POOL TYPES

table

Functions	Inflatable paddling pools without water circulation	Soft-walled basins with water circulation	Console furnace basins with water circulation, skimmer	Rigid shell shaped whirlpools / jacuzzis	Built-in pools with skimmer and stretched water with scaled water circulation
TOOLS FOR DOSING CHEMICALS	CHANGE WATER	FLOATING DISPENSER for 20 g	FLOATING DISPENSER for 200 g	FLOATING DISPENSER for 200 g DINAX BASIC RX-PH STENNER ECON 10 FX (A,B tube)	FLOATING DISPENSER for 200 g DINAX BASIC RX-PH STENNER ECON 10 FX (A,B tube)
MEASURING THE CHEMICALS LEVEL IN WATER	DEWAN-50 TEST STRIP 0-200 ppm CHLORINE TEST STRIP 0,05-6,0 ppm CHLORINE/BROMINE-pH-ALKALINITY test strip 0,1-10 ppm CHLORINE/pH MINI TESTER tablet	DEWAN-50 TEST STRIP 0-200 ppm CHLORINE TEST STRIP 0,05-6,0 ppm CHLORINE/BROMINE-pH-ALKALINITY test strip 0,1-10 ppm CHLORINE/pH MINI TESTER tablet	DEWAN-50 TEST STRIP 0-200 ppm pH TEST STRIP 1-12 HLORINE TEST STRIP 0,05-6,0 ppm CHLORINE/BROMINE-pH-ALKALINITY test strip 0,1-10 ppm CHLORINE/pH MINI TESTER tablet	DEWAN-50 TEST STRIP 0-200 ppm pH TEST STRIP 1-12 HLORINE TEST STRIP 0,05-6,0 ppm CHLORINE/BROMINE-pH-ALKALINITY test strip 0,1-10 ppm CHLORINE/pH MINI TESTER tablet	DEWAN-50 TEST STRIP 0-200 ppm pH TEST STRIP 1-12 HLORINE TEST STRIP 0,05-6,0 ppm CHLORINE/BROMINE-pH-ALKALINITY test strip 0,1-10 ppm CHLORINE/pH MINI TESTER tablet AD12 pH and Temperature -tester Photometer HANNA Chlorine HI701 checker
FILTER CLEANING AGENT				DINAX FILTER CLEANER F DINAX FILTER FIZZY P DINAX FILTER KONDI WP	DINAX FILTER CLEANER F
ADDITIONAL CHEMICALS				DINAX METAL MAGIC F DINAX HABSTOP BIOPOOL G	DINAX METAL MAGIC F BIOPOOL G
OTHER SUPPLEMENTARY TOOLS		THERMOMETER WITH FIGURE	THERMOMETER 10" LEAF NETTING STRETCHED LEAF NETTING TELESCOPIC ROD	THERMOMETER 10" LEAF NETTING STRETCHED LEAF NETTING TELESCOPIC ROD	THERMOMETER 10" LEAF NETTING STRETCHED LEAF NETTING TELESCOPIC ROD

Take care of safety when using disinfectants. Always read the label and the operating instructions before use.

## ALGA-SOKK P FOR POOLS

granules

disinfection



Rapidly soluble, solid, 56% active chlorine granules. The product is mainly used for shock-absorbing algae in water. The agent is also suitable for generating starting disinfectant concentrations when filling the pool.

Packaging:



## ALGA-SOKK P FOR JACUZZI

granules

disinfection



Fast-dissolving, solid, 56% active chlorine-containing granules with the same composition as Alga-Sokk P for the pool. For shock chlorination of water, we recommend the regular, seasonal shock-disinfection of the hydromassage tub tubular system. The agent is also suitable for generating the starting disinfectant concentration when filling jacuzzis.

Packaging:



## BLUE SUPER TABS T

tablet

disinfection



Slowly soluble, 86% chlorine content, combined (disinfectant, anti-foaming, floccing) 200 g tablet, slightly reduces the pH. For pools without dosing equipment, up to 50 m<sup>3</sup> of water. Recommended for disinfection, placed in skimmer or floating dispenser.

Packaging:



## BLUE SUPER TABS WP

tablet

disinfection



Slowly soluble, 86% chlorine-content, combined (disinfectant, anti-foaming, floccing) 20 g tablet, slightly reduces the pH. For pools without dosing equipment, up to 10 m<sup>3</sup> of water. Recommended for disinfection, placed in skimmer or floating dispenser.

Packaging:



## STABILE CHLORINE T

tablet

disinfection



Slow, evenly soluble, 90% free active chlorine 200 g swimming pool disinfectant tablet. For pools without dosing equipment, up to 50 m<sup>3</sup> of water, recommended for disinfection, placed in the skimmer or floating dispenser.

Packaging:



## FLOATING DISPENSER



Our floating dispensers are suitable for solubilizing 20 g and 200 g chlorine content tablets. The intensity of dissolution can be adjusted by adjusting the slider.

Take care of safety when using disinfectants. Always read the label and the operating instructions before use.

Dinax Ltd. is the market leader in Hungary in chlorine-free disinfectants. These authorized products contain active oxygen and they are significantly more stable than technical peroxide. In addition, they contain some further components that enhance their efficiency.

Although chlorine-free disinfection is not so widespread yet, it has numerous advantages:

- it does not dry out skin,
- it does not irritate the eye,
- it has no odor,
- it does not react with other components being in the water,
- no harmful substances are produced,
- it decomposes without residuals,
- it does not effect the pH level of water, and its effectiveness is independent of it,
- also effective against chlorine-resistant bacteria (Pseudomonas, Staphylococcus, Legionella).

Take care of safety when using disinfectants. Always read the label and the operating instructions before use.

**DEWAN®-35**

liquid

disinfectant



It has a composition with the same effect as DEWAN®-50, but with a lower concentration, with a dosing pump. Wide spectrum disinfectant, effective against Pseudomonas, Staphylococcus and Legionella bacteria, may also be used for periodic disinfection at the time of emergence. It can also be used for high ammonium waters.

Packaging:

**DEWAN®-18**

liquid

disinfectant



The dispensing-facilitated version of DEWAN®-50, developed for the disinfection of pans, tubs, and jacuzzis. The product can be used for all swimming pools with water recirculation and filter systems. It can be dispensed with peristaltic pump or manual metering. It can also be used for disinfecting surfaces. Wide spectrum disinfectant with all the benefits of DEWAN®-50.

Packaging:

**DEWAN®-7**

liquid

disinfectant



Wide spectrum disinfectant with all the advantages of the above two DEWAN® products. 7% hydrogen peroxide-content product, recommended for disinfection of pan-tiles and small whirlpools. It can be manually dispensed (we recommend using the cap of the can). It can also be used for disinfecting surfaces.

Packaging:

**DISPENSER CUP**

disinfectant dispenser



It is recommended that DEWAN®-18, DEWAN®-7 be dosed manually, to allow the chemicals to be filled without rupture. Available in two sizes: for 5 kg and 10 kg cans.

After filling the pool the pH value of the water increases by a natural process.

Our skin and eyes are very sensitive to the inadequate pH, and the effectiveness of chlorinated disinfectants is greatly influenced by the pH of the treated water. Due to these two important aspects, measurement and adjustment are required.

**The optimal pH value should be between 7.2 and 7.4, taking into account the bathers's comfort, which is necessary.**

The natural pH increase is dampened by solid chlorine disinfectants which in a dissolved state are acidic.

Their overdose causes not only chlorine but also stabilizing agents (cyanuric acid) accumulation.

If the pH value is permanently low, than the cyanuric acid level is high. In this case, the acidic effect can be remedied for a short term with pH increasing agent, but a partial water exchange will result in a significant improvement in the state of the water.



**DINAX® MINUS P**

powder

pH decreasing



Soluble granules to quickly decrease the pH value of the pool water. Its use is simple, it can be sprayed directly into the pool water, its dosage is easy to calculate. For public utility users, we recommend the continuous maintenance of whirlpools.

Packaging: 1 KG 5 KG 10 KG 25 KG

**DINAX® PLUS P**

powder

pH-increasing



Soluble granules for quick increase the pH value of pool water. Its use is simple, it can be sprayed directly into the pool water, its dosage is easy to calculate.

Packaging: 0,5 KG 1 KG 10 KG 25 KG



The small, microscopic contaminants in a larger amount can lead to opacification of pool water. This process can degree until the bottom of the pool is no longer visible, thus making it opalescent.

To achieve a crystal clear, sparkling pool water, these small impurities must be converted into flocs with flocculant agents. After they achieve a bigger, visible size than they will stuck on the filter media of the filter and with the help of a cleaner agent they can be removed.

Important:

- in case of chemical overdose the opacification of water may increase
- a very important factor in maintaining the efficiency of the flocculants is to keep the pH value of the water below 7.4

**DINAX® FLOCK F**

liquid

flocculant



Polyaluminum chloride flocculant. Use in case of opalization but it is recommended for frequently used pools as a prophylactic treatment for continuous dosing. It should be dosed before the filter device with metering pump.

Packaging: 100 ml

**DINAX® FLOCK P**

granules

flocculant



The flocculant can be used with any disinfectant to aid the quicker purification of pool water. Can be applied directly to the pool water in a dissolved format.

Packaging: 0,5 KG 5 KG

**DINAX® FLOCK P - SACHETS**

tablet

flocculant



This flocculation agent provides continuous flocculation if it is added directly into the skimmer.

Packaging: 3x125g

**DINAX® FLOCCULANT GEL TABLET**

gel tablet

flocculant



It is a gel tablet flocculant for pools with water reversing equipment. Prevents algae growth by binding the phosphate. It increases the transparency of the water extremely efficiently, it is dissolved within 24 hours and operates with a functioning pump and improves the water quality. One tablet is enough for one month for a 60 m<sup>3</sup> pool. Can be used with any chemical.

Packaging: 2x90g

Due to strong sunshine and the stagnated areas of the pool, the concentration of active chlorine easily decreases and algae can appear. The phenomenon starts with opacification first, but there may be a slim touch on the pool cover and the appearance of green spots. The process can be prevented by using anti-algae agents. Important information:

- algae inhibitors are to be applied once a week, and may become ineffective when administered frequently
- can be applied only for prophylaxis, chlorine shock is suggested to eliminate the algae that has been formed

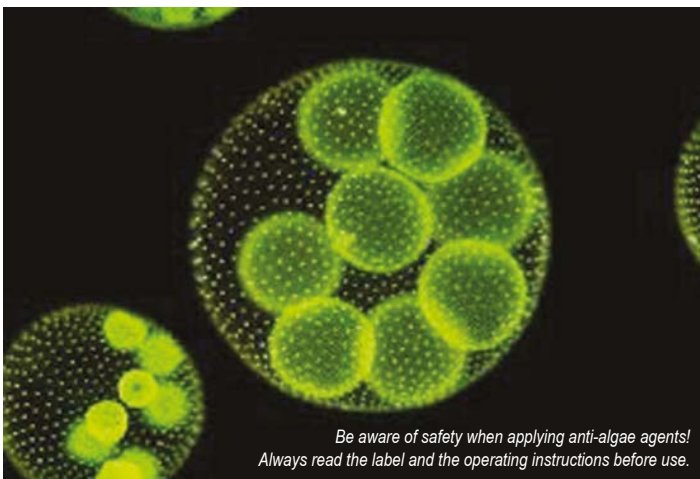


## SOLVING ALGAE PROBLEMS WITH PHOSPHATE REMOVAL

In pool water susceptible to algae, a very effective method of prevention is to bind the nutrients of the algae, the phosphate compounds, which the algae cannot utilize as nutrients. For this purpose we have developed our phosphate-reducing (decreasing) fluids, which can be dosed continuously or when necessary.

Due to their immediate phosphate-reducing effect, the destruction of algae begins within a short period of time and the water can be kept algae-free without long-term use.

Phosphate levels above 0.2 mg/l may cause recurrence of algae problems. This can be measured with a test strip, photometer, or we can test the parameters from water samples in our laboratory.



*Be aware of safety when applying anti-algae agents!  
Always read the label and the operating instructions before use.*

## ALGI-CID

liquid

algae removal



It is an effective algae-preventing agent with extremely broad spectrum. Dosed weekly or bi-weekly, in problematic pools can prevent algae formation. It is effective at all pH values. It does not cause foaming if dosed at high concentrations. It can also be used with chlorine-free agents.

Packaging: 1 KG 3 KG 5 KG 20 KG

## CHLORALGIN

liquid

algae removal



Algae-preventing agent with wide spectrum. Weekly or bi-weekly dosed, in problematic pools can prevent algae formation. Use only with chlorine-based disinfectants.

Packaging: 1 KG 3 KG 5 KG 20 KG

## DINAX PHOSPHATE MINUS EXTRA

liquid

algae-prevention with phosphate removal



To reduce the increased phosphate concentration of public and private pools, to prevent recurrent algae. It has a rapid effect to eliminate algae. It is recommended for occasional use by manual dosing in the amount calculated by the label, based on the measured phosphate level.

Packaging: 1 KG 10 KG



Take care of safety when using disinfectants. Always read the label and the operating instructions before use.

**CLEAR POND MC-AL**

powder

pond water treatment



Mixture of natural microbes, flocking aids and zeolite that strengthen each other's effects. Its use helps to maintain the purity and transparency of larger water masses. It is not recommended to eliminate the formation of surface mucus or control the amount of plants and weeds. It is a preventative agent. Dewan-7 garden pond can be used in conjunction with this product.

Packaging:



**DEWAN®-7 FOR GARDEN PONDS**

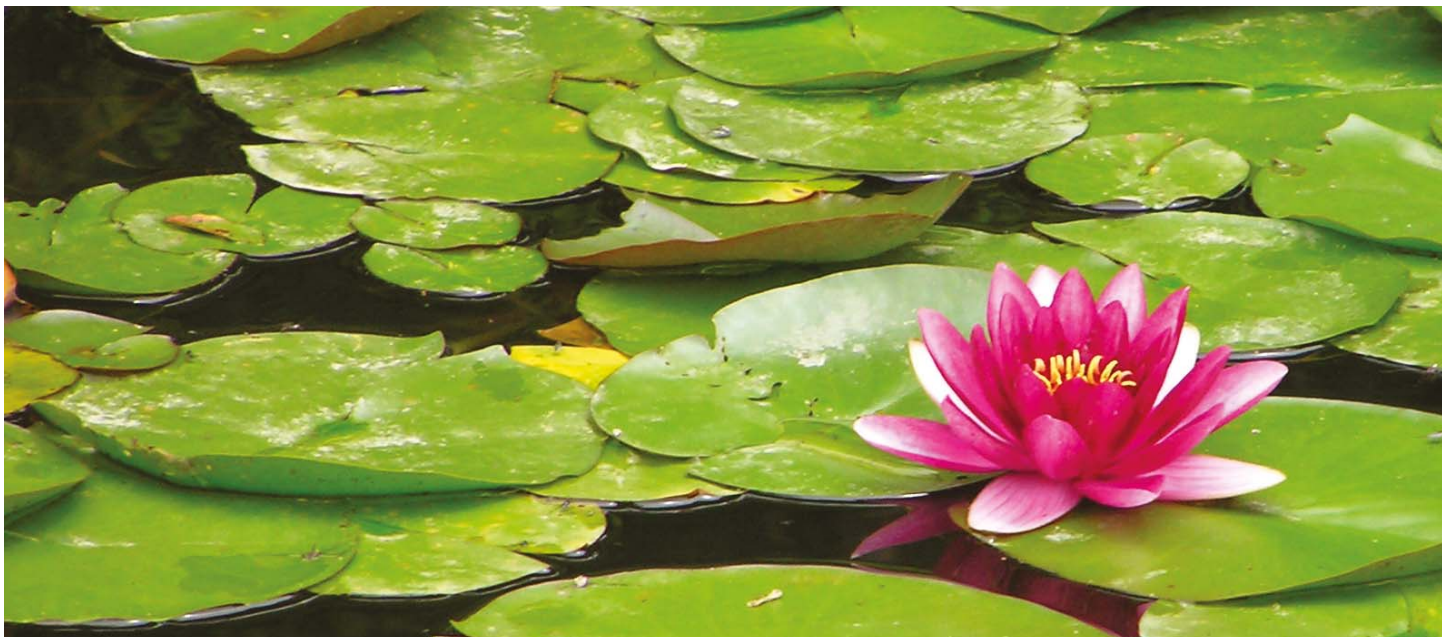
liquid

pond water treatment



It is suitable for the destruction of filthy alga species that appear in the water. The required dilution ratio is not harmful to aquatic organisms (fish, plants, etc.).

Packaging:



Whether it is a public or a private pool, regular monitoring of disinfectant levels and bathing water is essential to ensure proper water quality.

Our company offers a variety of solutions to measure the individual parameters, so you can choose from any of the easiest methods for a more complex, but more accurate process.

Testing products:

- test strips
- colorimetric (color based) testers
- digital testers
- photometers
- pocket photometers (Checker)
- desktop photometers



**POOL THERMOMETERS**

scaling thermometers



Our damper thermometers are available in hangable and floating (figurative) versions.

**COLORIMETRIC TESTERS**

for measuring chlorine/pH



Our testers provide a more accurate definition of the measuring strips. Their use requires a reagent tablet, which results in the discoloration of the test sample depending on the degree of the parameters to be measured. By comparing the color and the scale you can easily read the result.

**DINAX TOTAL HARDNESS KIT**

for measuring total hardness



Precision drip kits for spot and quick testing of tap water, bath water, surface water, industrial waters, and boiling water. The measurement is done by a drop counting method. Measuring range: 0.5 to 30 nk °.

Number of measurements (10 nk °): approx. 100

**TEST STRIPS**

for measuring chlorine, Dewan-50 and pH value



The measuring strips offer the simplest and fastest solution for measuring desired parameters.

We recommend our measuring strips primarily for private users, to check the disinfectant concentration and pH of swimming pools, jacuzzis.

**TEST STRIP**

TEST STRIP	PACKAGING	MEASURED PARAMETER
pH test strip 1-12	50 pcs/box	pH
Chlorine/bromine - pH-alkalinity test strip 0,1-10 ppm	50 pcs/box	free active chlorine, bromine pH, alkalinity
Chlorine test strip 0,5-6,0 ppm	50 pcs/box	free active chlorine
Dewan-50 test strip 0-200 ppm	50 pcs/box	Dewan-50/Dewasil
Chlorine-dioxide test strip	50 pcs/box	chlorine dioxide
Dissolved salt test strip 0-700 ppm	20 pcs/box	dissolves salt content
Iron test strip 0,02-5,0 ppm (Fe <sup>2+</sup> -Fe <sup>3+</sup> )	25 pcs/box	iron

**TESTER**

TESTER	PARAMETER	RANGE
Chlorine/pH MINI tester	Free active chlorine	0,5-5,0 mg/l
	Total chlorine	
	Bromine	1,1-11,0 mg/l
	pH	6,8-8,0
Chlorine/pH tester with tablet	Free active chlorine	0,1-1,0 mg/l
	Combined chlorine	0,5-6,0 mg/l
	Bromine	0,22-2,2 mg/l
		1,1-13,2 mg/l
pH	6,8-8,2	

**CALDUR TESTERS**

for measuring ammonium, nitrite and nitrate



Test statements suitable for measuring other parameters of water (e.g. ammonium, nitrite, nitrate, etc.).

Our digital testers make it extremely quick to measure and easy to handle. They show the measured value on a digital display.

They do not need reagents for their application, so they are suitable for single-use, quick measurement.

Our company distributes handheld digital testers for the pH value and the total electrical conductivity of all salinity, and we also undertake the control, calibration, and electrode breakdown as required.

## AD12 DIGITAL TESTER AD12

digital tester for pH and temperature



Extremely easy to use and accurate down to measurements of pH 0.01 for pH ranging from 2 to 14. Values are displayed on a digital display, which is temperature compensated (this further enhances accuracy). No need for tablets or other reagents. To calibrate a buffer solution (pH 4, pH 7), KCl storage fluid is required. We recommend for both public and private use. Excellent value for money.

## AD31 DIGITAL TESTER AD31

tester for conductivity, total dissolved material and temperature



With this device, you can quickly and accurately check how the dissolved salt content of our pool and whirlpool water changed. Growth is checked by comparative measurements: check the fill water or the metering data required for charging to the pool water. In general, water balance problems may already occur above double the specific conductivity value. We recommend it to both public and private owners.  
Measuring range: 0,00 - 3.999  $\mu\text{S/cm}$

## AD32 DIGITAL TESTER AD32

tester for conductivity, total dissolved material and temperature



The features of the AD 31 instrument are supplemented by this instrument: the measurement range also allows the control of water from salt electrolysis pools up to 10  $\text{kg/m}^3$  salinity so that the salt content of the pool water can be maintained at a constant level with fast and accurate control. It is recommended for high salt-water waters and salt-water pools. Waterproof gauge.  
Measuring range: 0,00 - 20.000  $\mu\text{S/cm}$



PHOTOMETERS

Photometric measurement provides a higher accuracy results. Compared to the pure water sample, the reagent-based color stain is measured, calculated and displayed by the instrument.

The instruments are calibrated at the factory and require no further calibration by the user.

The instruments are serviced by our company.

For photometric measurements, only photometric reagents (tablets, powders, liquids) may be used.

You can review the types of the reagents on page 42 of the catalog.



**HANNA CHLORINE CHECKER** HI 701

for measuring active chlorine (0,00-2,50 mg/l)



Ideal instrument between inexpensive but inaccurate chemical test kits and more accurate, but more expensive professional measuring instruments. Measured values can be easily read from the large display on the unit. The instrument is extremely easy to operate and will automatically turn off when it is not in use. It is suitable for the measurement of free and all active chlorine, depending on the type of reagent used.

**HANNA PHOSPHATE CHECKER** HI 713

for measuring total dissolved phosphate (0,00-2,50 mg/l)



The phosphate content measurement of pool water (especially the water of outdoor pools), which allows us to quickly and easily determine the dissolved phosphate content of the water, which is the nutrient of algae and bacteria. The ideal value is below 0.2 mg/l, above this value we recommend phosphate decreasing agents such as Dinax Phosphate Minus Extra or Normal.

**PALINTEST POOLTEST 3 KIT** PRIMELAB PHOTOMETER

for measuring active chlorine, pH, and cyanuric acid



An extremely handy, compact device that is able to measure active chlorine, pH and chlorine tablets stabilizer as well as cyanuric acid. Its use is simple, especially recommended for professional users. Cyanuric acid can be used to determine the depletion of water disinfected with chlorine tablets, which in many cases can even reduce the efficacy of chlorine (above 50 mg / l).

**PRIMELAB PHOTOMETER**

bővíthető paramétersorú fotométer



We primarily recommend this product for both public and private customers, to carry out regular daily monitoring measurements. The biggest advantage is that the PARAMETER LIST CAN BE EXTENDED ANYTIME. Accurate and reliable water testing equipment that allows quick, easy control of pH, combined or free chlorine and Dewan-50 concentrations as part of the basic setting. With appropriate accessories, also allows you to define if Legionella is present within one hour. Bluetooth units allow the measurement data to be accessed on a computer.

## POOLLAB PHOTOMETER

for measuring 11 parameters



A waterproof, with a built-in cuvet (may dip directly into the pool) photometer that can measure the following parameters: active chlorine, pH, alkalinity, cyanuric acid, active oxygen, bromine, chlorine dioxide, ozone, hydrogen peroxide, total hardness and calcium hardness. The requested parameters can easily be adjusted on the unit. Bluetooth units can be accessed and stored on a smart device after downloading the PoolLab application. The application provides a suggestion for the necessary water treatment agents.

## DINAX PHOTOPEROX 300

for measuring DEWAN®-50/DEWASIL®



Extremely easy to use, a unique product developed by Dinax Ltd., specifically to determine DEWAN®, DEWASIL® concentration. Quick and accurate instrument with DINAX DEWAN®-50 reagent. We are especially recommended for large numbers of people and for public users.

Measuring range: 0-300 mg/l, accuracy: 1 mg/l

Packaging: in box, with two cuvettes, battery, 30 ml DINAX DEWAN®-50 reagent

## LOVIBOND MULTIDIRECT

precision photometer with a wide range of applications for complete water analysis (long-term tablet reagents)



Microprocessor-controlled desktop photometer for full water analysis with extremely user-friendly design. The device allows you to store custom settings, but contains many factory settings that are tailored to LOVIBOND reagent tablets and liquids. The whole device is waterproof.

## LOVIBOND MD 610

suitable for measuring 51 parameters



Waterproof, easy to use, fast and accurate instrument. It is available for storage of up to 1000 items of information that can be accessed via Bluetooth connectivity from mobile phones and tablets. With IOS and Android, data can be managed and forwarded via e-mail

## DINAX® MEASURING SUITCASE

suitcase for pool maintenance service

Content:

- AD 32: a specific conductivity meter for the recording of the dissolved salt content of water
- AD 12: a device for measuring the pH and temperature of the water
- HANNA HI 701 CHECKER: chlorometric photometer, free chlorine and all chlorine content control
- HANNA HI 713 CHECKER: Phosphate Diameter Photometer
- DINAX PHOTOPEROX 300 for monitoring the water content of DEWAN or DEWASIL
- Total hardness kit for water hardness measurement
- Remaining hardness meter kit for controlling the operation of softening systems
- Buffer solution pH 4-7-9, for checking the operation of the metering devices, for periodic calibration of AD12
- KCl storage fluid for proper storage of AD12
- Reagents: DPD1-DPD3, Taylor # 0001, # 0002, # 0003 Reagents for Free Active and Total Chlorine

Note: the contents of the suitcase can be freely changed by the customer, the above set up is our recommendation.





## BUFFER SOLUTIONS

Chemical buffer solutions, buffer systems are a weak acid/base and a solution of a strong acid or base salt thereof, which provides a constant pH value in a system. They may be mixtures of sour salts of polyvalence acids.

Buffers can absorb large amounts of acid / base without much change in pH. Alternatively, the buffer is a solution whose pH is stable and does not change (rather varies very little) with dilution (depending on the buffer capacity), the pH value is known to be dependent on temperature.

According to their effect, the buffer solutions may be **acidic, alkaline** or **neutral**.

Buffer solutions in which the amount of oxonium ions is greater than the hydroxide ions are acidic and have a pH of less than 7.

Buffer solutions in which the hydroxide ions are in the majority are alkaline and have a pH greater than 7. If the pH of a buffer solution is 7 then the number of hydroxide ions equals the number of oxonium ions, meaning that the buffer is neutral.

pH meters, for calibrating measuring instruments, various pH buffer solutions are held in stock.

**Types:** pH = 4, pH = 7, pH = 9

To control the redox electrode of measuring control devices, we can offer a Redox buffer solution of 465 mV redox potential for calibration of the instrument.

AD12 pH-tester and pH electrode storage fluid is the KCl buffer solution, which is essential for preventing electrode dehydration, thus avoiding electrode failure.



Reagents used on measuring instruments on the previous pages are subject to a permanent stock. We distribute the products of the following manufacturers:



## REAGENTS

table

Parameter	Reagent	Formula	Packaging	Count of measurement	FOR TESTER	FOR PHOTOMETERS
pH	Phenolred tablet (pH) - „rapid“	tablet	10 pcs (foil)	10	++	
	Foto POOL Phenolred tablet	tablet	10 pcs (foil)	10	+	++
	FotoLovib Phenolred tablet	tablet	10 pcs (foil)	10	+	++
	FotoPalin Phenolred tablet	tablet	10 pcs (foil)	10	+	++
	DINAX photometer reagent Phenolred 200 ml	liquid	200 ml	2000	+	++
	Reagent Taylor #R000-4	liquid	60 ml	around 900	+	++
Free active chlorine	DPD1 tablet (free chlorine) - „rapid“	tablet	10 pcs (foil)	10	++	
	Foto POOL DPD 1 tablet	tablet	10 pcs (foil)	10	+	++
	FotoLovib DPD 1 tablet	tablet	10 pcs (foil)	10	+	++
	FotoLovib DPD 1 tablet High Calcium	tablet	10 pcs (foil)	10	+	++
	FotoPalin DPD 1 tablet	tablet	10 pcs (foil)	10	+	++
	Reagent Taylor #R000-1 + Reagent Taylor #R000-2	liquid	60 ml/reagent	240	+	++
	DINAX photometer reagent Cl-1 200 ml + DINAX photometer reagent Cl-2 200 ml	liquid	200 ml	800	+	++
Photom. reag. free.act. chlorine Hanna 25 measur.	powder	25 sacks	25	+	++	
Total chlorine	DPD1 tablet + DPD3 tablet (combined ch.) - „rapid“	tablet	10 pcs (foil)	10	++	
	Foto POOL DPD 1 + Foto POOL DPD 3 tablet	tablet	10 pcs (foil)	10	+	++
	FotoLovib DPD 1 + FotoLovib DPD 3 tablet	tablet	10 pcs (foil)	10	+	++
	FotoLovib DPD 1 High Calcium + FotoLovib DPD 3 tablet	tablet	10 pcs (foil)	10	+	++
	FotoPalin DPD 1 + FotoPalin DPD 3 tablet	tablet	10 pcs (foil)	10	+	++
	Reagent Taylor #R000-1 + Reagent Taylor #R000-2 + Reagent Taylor #R000-3	liquid	60 ml/reagent	240	+	++
	Photom. reagent. total Chlorine 0-3,5mg/l HANNA	powder	25 sacks	25	+	++
Chlorine dioxide*	Glycin reagent (ClO <sub>2</sub> for test strip) + Chlorine dioxide test strip	powder + test strip	20 g	kb. 50		
	Foto POOL Glycine tablet + Foto POOL DPD1 tablet	tablet	10 pcs (foil)	10	+	++
	FotoLovib Glycine tablet + FotoLovib DPD1 tablet	tablet	10 pcs (foil)	10	+	++
	DINAX photometer reagent Cl-E 200 ml + DINAX photometer reagent Cl-1 200 ml + DINAX photometer reagent Cl-2 200 ml	liquid	200 ml	200	+	++
Dewan-50/Dewasil/ Hydrogen-peroxid	Acidifying LOVIB tablet + Hydrogenperoxid LOVIB tablet	tablet	10 pcs (foil)	10		++
	DINAX photometer reagent Dewan-50 200 ml	liquid	200 ml	200		++
Bromine	DPD1 tablet (free chlorine) - „rapid“	tablet	10 pcs (foil)	10	++	
Cyanuric acid	FotoPalin Cianursav tablet	tablet	10 pcs (foil)	10		++
Phosphate	Photometer reagent Phosphate for HANNA	powder	25 sacks	25		++
	Foto POOL Phosphate LR 1 + Foto POOL Phosphate LR 2 tablet *	tablet	10 pcs (foil)	10		++

Signs: ++ = recommended; + = applicable; no sign = non-applicable

Our laboratory is prepared for drinking and bath water examinations beyond the inter-production quality control. Regardless of any water treatment, it is always necessary to know the quality of the water in order to provide a precise and professional suggestion for the purposeful treatment.

As a basis for developing technological solutions and suggestions for problem solving, we conduct high-precision testing of water samples to the laboratory.

We undertake the measurement of the following parameters:

PARAMETER	FORMULA	PARAMETER	FORMULA
aluminum	Al	alkalinity and acidity	Mn
ammonium	NH <sub>4</sub> <sup>+</sup>	nitrate	NO <sub>3</sub> <sup>2-</sup>
evaporation residue		nitrite	NO <sub>2</sub> <sup>-</sup>
cyanuric acid	(HNCO) <sub>3</sub>	dissolved oxygen	O <sub>2</sub>
conductivity		total hardness	
fluoride	F <sup>-</sup>	total chlorine	Cl <sub>2</sub>
phosphate	PO <sub>3</sub> <sup>3-</sup>	total dissolved solids	
hydrogen peroxide	H <sub>2</sub> O <sub>2</sub>	p- and m-alkalinity	
calcium	Ca	pH-value	
chlorine dioxide	ClO <sub>2</sub>	free active chlorine	Cl <sub>2</sub>
chloride	Cl <sup>-</sup>	carbon-dioxide	CO <sub>2</sub>
chlorite	ClO <sub>2</sub> <sup>-</sup>	silica	SiO <sub>2</sub>
chemical oxygen demand, permanganate process	KOI <sub>ps</sub>	sulphate	SO <sub>4</sub> <sup>2-</sup>
alkalinity and acidity		sulfide	S <sup>2-</sup>
magnesium	Mg	iron	Fe <sup>2+</sup> /Fe <sup>3+</sup>

From the most important elements of the above parameters we have compiled a favorable price of drinking water and bath water test packages. With the test results, we provide a free solution for the optimal water treatment solution. In addition to water analysis, our laboratory undertakes the following services:

- in the possession of material samples (e.g. tiles, pipe sections), we try to remove deposited limescale, minerals, to select a suitable cleaning agent and process
- in our laboratory, we perform the microscopic examination and purification experiments of the used sand filter cartridge, propose a suitable treatment procedure or replace it according to the state of the charge
- if the precision of its measuring instrument is questionable, we undertake to supervise, calibrate and repair it.



DINAX WATER TREATMENT Ltd.

HUNGARY - 1163 Budapest,  
Sárga rózsa u. 13/b.

Tel.: +36 1 403 0937  
Fax: +36 1 402 0877  
E-mail: [dinax@dinax.hu](mailto:dinax@dinax.hu)  
Web: [www.dinax.hu](http://www.dinax.hu)