

dinotec Energy saving pool

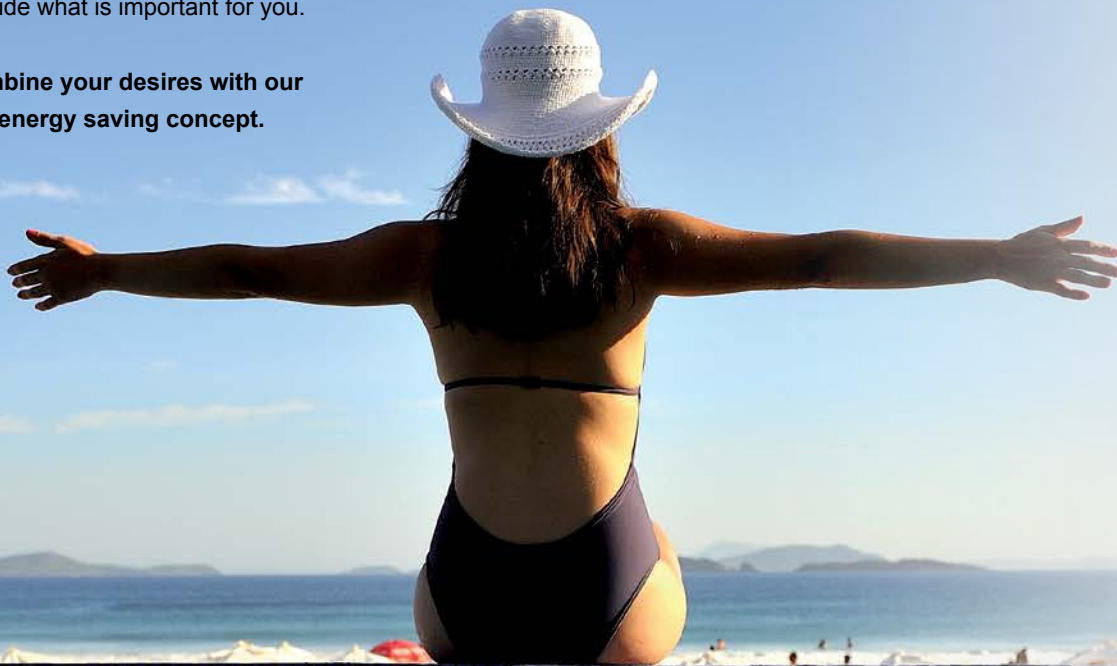


Complete freedom

The dinotec energy saving pool builds on your desires.

You decide whether you want an indoor or outdoor pool, plastic or concrete pool, round or square. You decide what is important for you.

We combine your desires with our unique energy saving concept.



Savings up to 75 %? How is this possible?

Analysis

The dinotec experts have analysed all components and procedures that are part of the process engineering and that are important when building a pool.

Objective

A radical reduction of the main cost items in the operation of a swimming pool (energy, fresh water/waste water and water treatment agents), while ensuring a demonstrably high water quality.

Result

dinotecNET+, the intelligent pool management system, with many new innovative improvements, like the ECO mode or the energy and chemicals saving program. In addition, the system makes it possible to optimize the entire process engineering, which in turn allows the use of new solutions, like energy-saving circulation pumps or energy-saving sample pumps. Valuable constructional recommendations have been integrated, so that the energy saving pool reduces the energy consumption while maintaining an unspoilt bathing pleasure!

dinotec expertise



dinotec has been one of the leading specialists for water technology and swimming pool equipment for several decades.

dinotec is one of the few companies worldwide with the necessary systems and control engineering as well as a profound expertise in process engineering, both of which are required for realizing the energy saving concept.

Example:

The innovative dinotecNET+ pool management as the brains of the system is unrivalled and the only system providing the required range of functions.



SAVE WATER



SAVE ELECTRICITY



SAVE HEAT ENERGY PRESERVE THE ENVIRONMENT
REDUCE CO₂



REDUCE CO₂



SAVE WATER
TREATMENT PRODUCTS

A competent

partner for

all areas!

Together with the dinotec specialist partners, your dream pool is implemented as customized energy saving pool.

What you get is a turnkey, complete system. And what's more - the energy saving pool protects the environment while saving you money.



Simply enjoy the best water!

The first energy-saving pool

The high-tech brain makes the difference:

dinotecNET+
POOL MANAGEMENT



1 Automatic backwash management (only for pools with overflow gutter)



2 Optimum water quality - continuously



3 Automatic dinotec ECO mode



4 Water quality assurance program, energy and chemicals saving program



8 Demand-based flocculation improves the water quality and saves water treatment chemicals due to an optimized filtration rate (30 m/h).



9 Special energy saving circulation pump



10 Specially designed and dimensioned filter tank that optimizes the filtration effect



5 Integration of renewable energy sources



6 Optimum indoor climate (for indoor pools with overflow gutter)



7 Special dinotec energy saving sample water pump



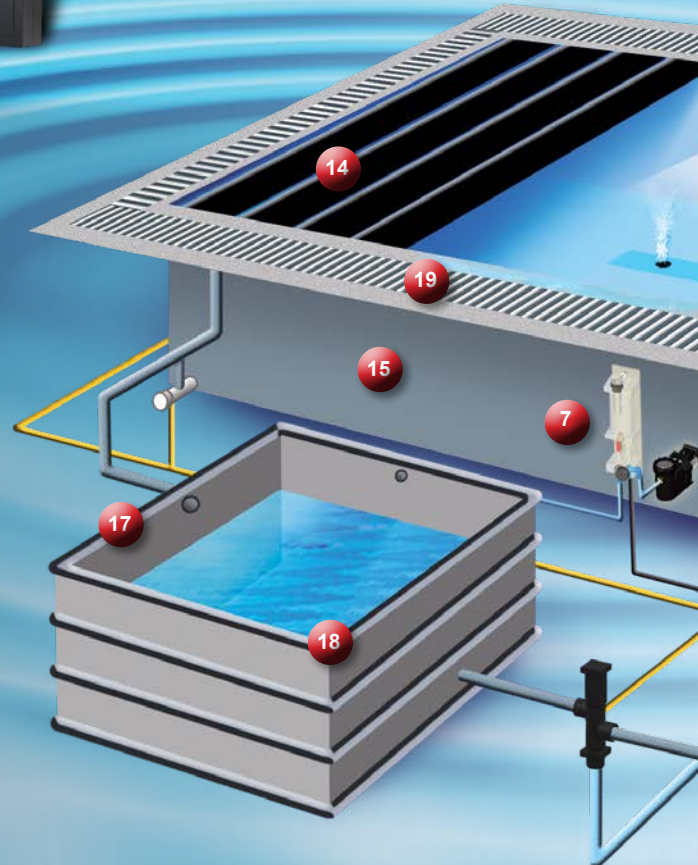
11 Naturally activated filter material



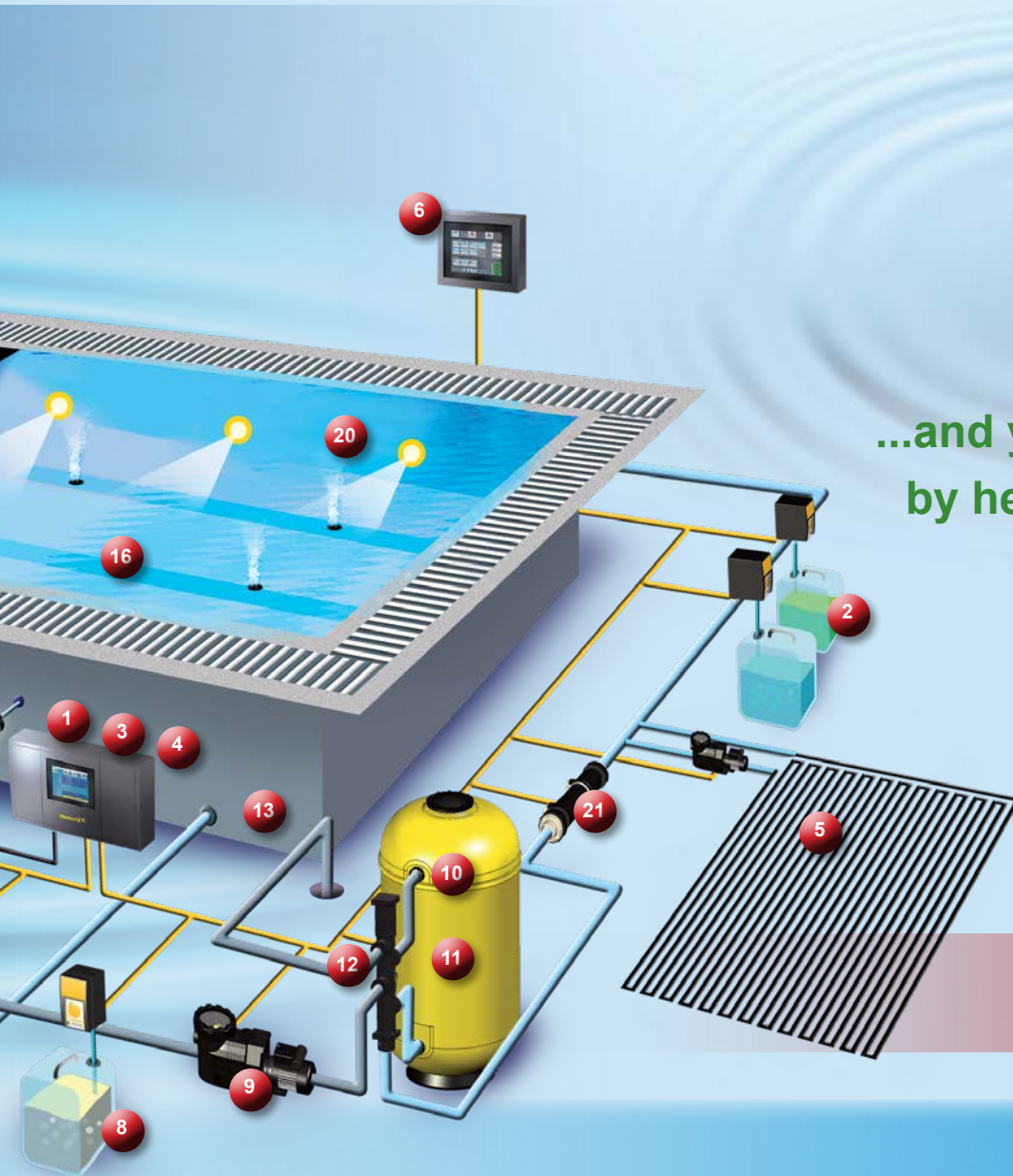
12 Lower energy consumption due to special filter valves








13 Reduction of the required backwash water by up to 50%. Saves energy and water.



These are the areas where you save



...and you do a good deed
by helping to protect the
environment!

-  This is where you save water.
-  This is where you save electricity.
-  This is where you save heat energy.
-  This is where you protect the environment.
-  This is where you save water treatment agents.

More information at:
www.niedrig-energie-pool.de

14 Heat insulating HydroDeck pool covers. Reduce the energy consumption by up to 80 %.



15 Pools with good insulation values or additional insulation.



16 An optimum design of the pool hydraulics prevents energy peaks.



17 Optimized local adaptation and height adjustment of surge tank saves energy.



18 Ideally dimensioned surge tank prevents loss of water.



19 A proper gutter geometry and dimensioning reduce energy and heat losses as well as the annoying sounds of running water.



20 LED lighting saves up to 90 % energy.



21 An adequately dimensioned low-temperature heat exchanger reduces heat losses, thereby cutting energy costs.



Simply enjoy the best water!

2 in 1: Maximum bathing comfort plus energy saving pool

dinotecNET+
POOL MANAGEMENT

Use high-tech to reach your goals...



- Energy-saving management of your entire system
- Water-preserving and water-saving control
- Reduced input of water treatment agents
- Wellness water quality
- Intelligent and expandable
- Tailored to your individual requirements
- Convenient and easy to use
- Integrated control of attractions
- Technology made to enjoy

From one source

Complete and turnkey solution

Custom-tailored to your needs

Carefree with remote maintenance

No matter where in the world your energy saving pool is installed, with the optionally integrated data transfer you can check the status of your system at any time. Even new settings are possible as well as a prompt correction of faults. Enjoy an unspoilt bathing pleasure, absolute privacy and the top service provided by your specialist dealer.

Easy on the wallet as well as on the environment...

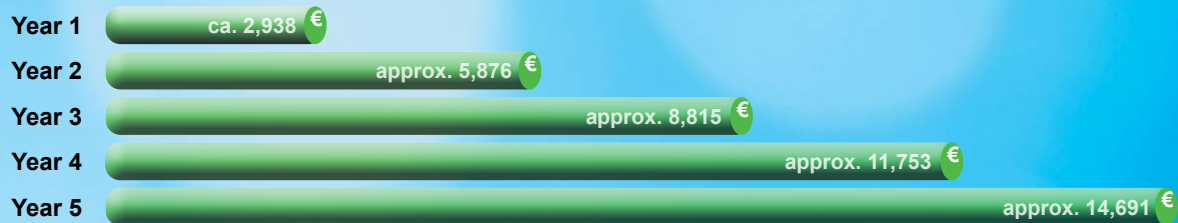


dinotec energy saving pool, example 1 Outdoor pool

8 m x 4 m x 1.35 m, with overflow gutter,
150 days of operation and
26°C water temperature

Monthly operating costs: about 82 €
Annual operating costs (5 months): about 410 €
(incl. energy, water and water treatment agents)

Possible savings compared to a conventional outdoor pool:

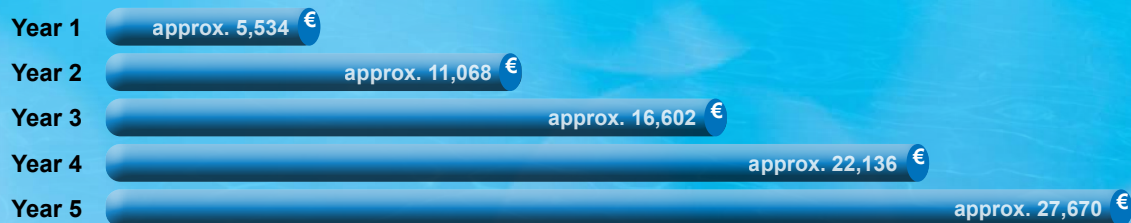


dinotec energy saving pool, example 2 Indoor pool

10 m x 5 m x 1.35 m, with overflow gutter,
365 days of operation and
26°C water temperature

Monthly operating costs: about 384 €
Annual operating costs: about 4,604 €
(incl. energy, water and water treatment agents)

Possible savings compared to a conventional indoor pool:



Please consult your dinotec specialist dealer for detailed calculations complete with professional advice.

Consistent and sophisticated.
What's really nice is the fact that you do not only save money and protect the environment, you also obtain cutting edge technology and top conveniences.

*Dipl.-Ing. Michael Taggesell
Lecturer at the German TÜV Academy
providing training courses for pool operators*



*Average costs for operation, excluding initial filling and special expenses. All data is approximate and values can be higher or lower, depending on individual conditions.

Simply enjoy the best water!



Your dinotec specialist dealer:

For more information go to:
www.niedrig-energie-pool.de

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Subject to technical changes. Errors excepted. 12/2009

Simply enjoy the best water!