NEWWATER GROUP

www.newwatergroup.cz

POOLS, WELLNESS

BACKWASH WATER RECYCLING

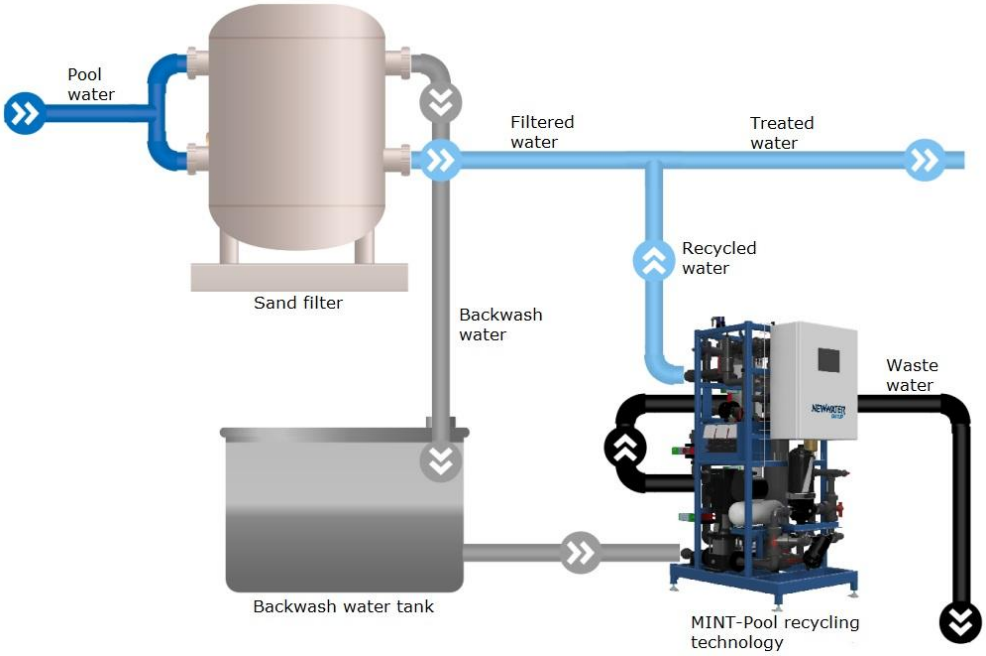
Save water and energy

Member of

ALL FOR WATER

IN-EKO® TEAM

MINT-Pool



Save up to 75% of wastewater

and

60% in heating costs!

POOL WATER RECYCLING

Great environmental and economical benefits – excellent return rate of investment!

Public pools, water amusement parks, and wellness centres discharge great amount of wastewater during operating. The temperature of this wastewater is often higher than 30°C, meaning every cubic metre counts.

MINT-Pool recycling units allow to return up to 75% of wastewater into circulation, saving up to 60% in energy costs used to heat fresh water, in the process – meaning there are clear environmental as well as economical benefits to recycling pool water.

Every recycled cubic metre of water saves…

…**1 m^3** of water being withdrawn from nearby natural sources.

…energy, chemical and other resource consumption used to treat **1 m^3** of fresh water.

...energy necessary to deliver **1 m^3** of water to the end consumer.

…**1 m^3** of wastewater being drained into the sewerage.

…energy, chemicals, and other resources used to clean **1 m^3** of wastewater.

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MINT-Pool

MINT-Pool technology recycles wastewater from the operation of swimming pools and recycles it for further use. Wastewater produced by the cleaning of conventional sand filters or drained from the pool's buffer reservoir is collected in the accumulation tank, specifically designed and of adequate volume to retain the maximum amount of wastewater produced. Subsequently, the water is pumped through the technology, recycled and is then ready to be re-introduced back into the swimming pool water circuit as inlet water.

The effluent from the recycling technology is safe and poses **no health risks**, corresponds in quality to standard inlet water and complies with all legislative norms. The hygienic safety of the product is guaranteed thanks to the multi-barrier system, consisting of three separate disinfection stages. Firstly, the water is filtered through an ultrafiltration membrane, which retains viruses and bacteria. Next, the product is treated with UV light and finally, the water is disinfected chemically using chlorine. This robust **three-barrier sanitation system ensures the produced water is clean, harmless, and sanitized** even in the event of the malfunction of one of the stages.

Try it out for yourself! We offer pilot testing at your location. During this stage, the following can be confirmed: guarantee of product quality for the supervising body; optimal placement of the recycling unit; ideal accumulation tank volume; ease of operation and manipulation for technical staff. An area of approx. 5 m^2 as well as 3x400 V electrical connection is required for the installation of the recycling unit. The installation process requires 1-2 days.

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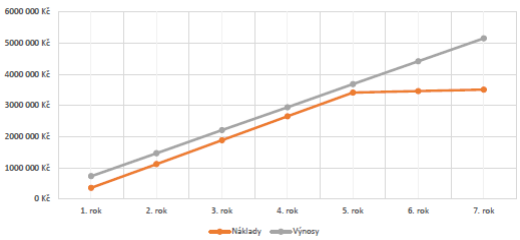
Returns of water recycling technology – pool water recycling technology saves on water and sewer rates as well as energy necessary to heat cold inlet water. Return calculations precede every single project and ensure the economic acceptability. Other non-economic factors to be keep in mind include a lesser strain on local wastewater treatment plants and additional environmental considerations of producing less wastewater. By utilizing **IQ-MINT**, a uniquely intelligent operating system, the **MINT-Pool** recycling technology is able to achieve the highest percentage of recycled water (recovery) on the market. This in turn means that a **return of investment of below 3 years** is possible in most cases.



MINT-Pool recycling units are fully automated. Sensors and probes allow the advanced operating system to regulate the technology and guarantee safety of operation. Use the touch-screen to enter or adjust operating parameters or connect remotely via web interface (GSM/wi-fi connection required). Remote access also allows New Water Group to provide technical assistance at any time. See our other software add-ons:

IQ-MINT is based on artificial intelligence with self-learning technology and allows the operating system to adjust operating parameters of the technology based on the current feed flow, maximizing recovery, minimizing consumption of chemicals, and ensuring safety of operation.

MINT-eBook is a software log and service manual combined in one useful tool. This add-on informs and notifies technical staff, assists with day-to-day maintenance, and oversees the service life of every component. As a result, this ensures longevity of operation and infrequent needs for servicing.

THE FUTURE IS NEW WATER!

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