

ART SAND Process™

NANOTECHNOLOGY
FOR ULTRA CLEAN WATER

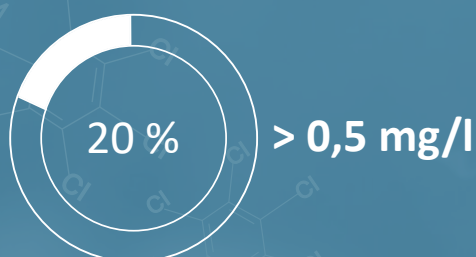


ART SAND Process™ FOR DRINKING WATER

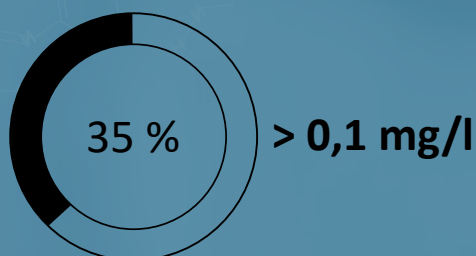
Are you worried about the quality of drinking water? Do you think GAC - granulated activated carbon is too expensive and not reliable? Do you not have enough space? Let us introduce a ground-breaking Czech technology ART SAND Process that will help you solve today's challenges with drinking water.

- ✓ We manufacture a certified adsorbent ART SAND for contact with drinking water. Its antimicrobial and antiviral properties ensure maximum hygienic water safety.
- ✓ No more bad taste, colour, or bad odour water full of microorganism.
- ✓ No pesticides, drugs residues or endocrine disruptors! With better results than the current legislative standards.
- ✓ Decreases the risk of side effects (trihalomethane) during water disinfection and reduces cyanobacterial metabolites. Thus the water is healthier.
- ✓ Keeps minerals in the water.

Representation of surface water sources contaminated at least by one pesticide with concentration:



.... and tens of different pesticides are found in water



....beside agrochemicals, water contains drugs (µg/l) and organics originating from cosmetic and cleaning products

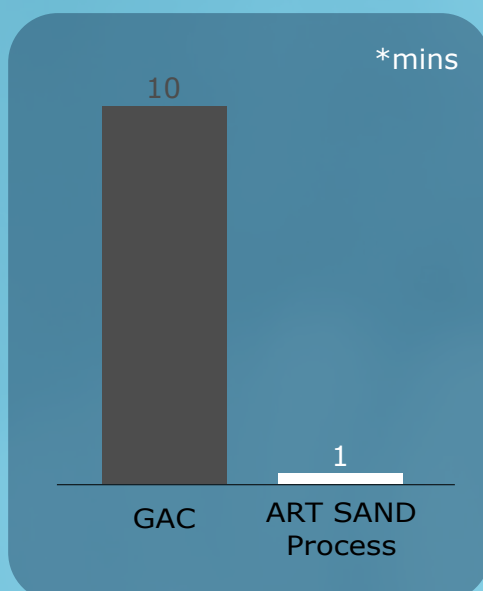
ART SAND Process™

10x MORE EFFECTIVE THAN GAC

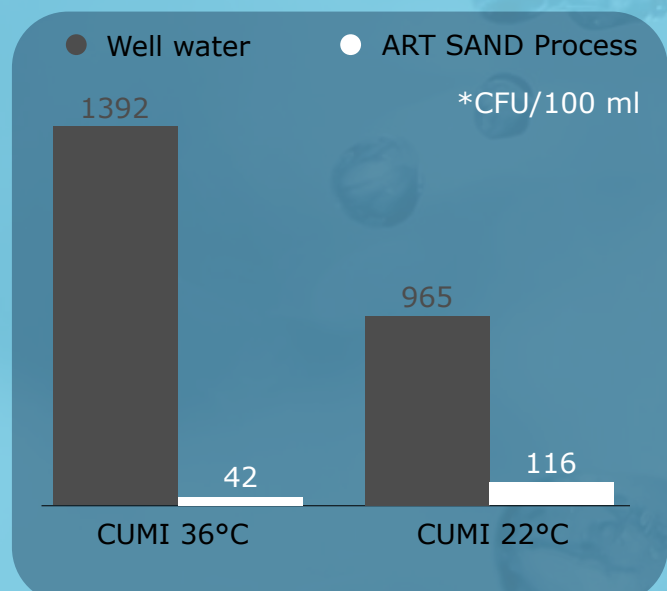
ART SAND is not only a unique adsorbent created and manufactured in the Czech Republic, but also a whole technological process designed to optimise investment and running cost of drinking water treatment.

- ✓ Modular system of an adsorbent column will surprise you with low maintenance requirements. You will not waste any more precious time due to our GSM monitor and device.
- ✓ Unique on-site regeneration process of an adsorbent cartridge will ensure comfortable and effortless reuse.
- ✓ 10x faster adsorption kinetics will bring you savings of running and investment costs of more than 50% in comparison with GAC.

10x lower delay time



Example of biological water pollution reduction





ULTRA CLEAN WATER

The company **ART CARBON s.r.o.** was established in 2017 with focus on an industrial application of carbon nanotubes, mainly in the water industry. The main product is an innovative adsorption material **ART SAND** using carbon nanotubes for large-volume cleaning and purification of liquids, especially, drinking and wastewater.

ART SAND is certified for contact with drinking water in accordance with act no. 258/2000 Coll.

Partners



CHEMOPROJEKT

Supported by



STŘEDOČESKÉ INOVAČNÍ VOUCHERY



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