

Water treatment units for correction of drinking and industrial water.

Introduction

Welcome to **VODASERVIS s.r.o.** web site. The company was founded in 2002 by professionals with more than 15 year experience in the water filtration sphere. A growing demand for filtration of owned water resources (e.g. deep wells) and increasing claims to water quality preceded the foundation of **VODASERVIS s.r.o.**

As for the market, we brought the solution of water problems according to clients' requirement by using long-term tested and competent technologies. We are also able to create new methods of solution according to specific unfavourable conditions. **VODASERVIS s.r.o.** is the **ČSN EN ISO 9001:2001** certificate holder.

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Managing director

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News:

Our company became a proud proprietor of **European Certificate** given by the Technical laboratory TÜV for following products:

Mobile Water Treatment Unit and **TVK Filter** – registration number 348/05/07/02/0.

We also successfully proved our **Stainless TVK Filter** and **Aeration Towers PV and PVS** by mandatory **Testimonial for permanent contact of present products with drinking water** – Ministry of Agriculture regulation no. 405/2005 Sb.

Our **Mobile Water Treatment Unit** was added into Catalogue of products for **Czech Army** and satisfied demands to get Testimonial of quality and integrity.

Offered services

VODASERVIS s.r.o. is the only manufacturer of stainless steel pressure filters in the Czech Republic. We offer manufacture, delivery, installation and service of fully automatic filters and water treatment units used for domestic and commercial filtration of water. Our filtration systems produce water which is not different from drinking water qualities (including good taste and no odours) and suitable for all industries, especially for food industry.

The advantage of stainless steel filter is mainly in its great life expectancy, almost no maintenance required and its high quality. Therefore stainless steel pressure filters are preferred for drinking water filtration. The **stainless steel pressure filters** are our main product but we also started with manufacturing of a new kind of **Chlorine-removing stainless steel filter purified by steam** and **Aeration towers** used for reduction of radon units, chlorine-hydrocarbons and other undesirable gases. Our professionals are also involved in manufacturing of other stainless steel equipment (e.g. stainless steel tanks, stainless steel heating radiators, swimming pool equipment) according to client's project documentation.

1. Provided correction of:

- a) Drinking water
 - for towns and villages
 - for households
 - for recreation facilities
 - for food industry

- b) Industrial water
 - boiler water
 - swimming pool water
 - waste water – tertiary treatment

2. Manufacture:

- Stainless steel pressure filter
- Stainless steel Aeration tower
- Stainless steel tanks and other equipment

3. Other services

- supply of plastic and vitreous fibres pressure filters
- installation of conductions and other equipment
- sale of chemicals, filtration chemicals, pumps, pressure tanks
- consultancy in the water treatment sphere

1. a) Drinking water correction:

- Bores, wells, water pipes

Surface bores water - usually correction of iron, manganese, radon, nitrates, ammonia ions, chlorine-hydrocarbons is needed.

Surface wells water – usually correction of chemical oxygen demand (COD), nitrates, mud and sediments, bacterium is needed.

- Correction of drinking water for towns and villages, households, recreation facilities, food industry.

We offer the solution of water problem in mentioned cases according to client's requirements by using long-term tested and competent technologies and we are also able to create new method of solution according to specific unfavourable conditions. We are also successful in building the new reservoirs.

----- b) Correction of industrial water, boiler water, swimming pool water and waste water – tertiary treatment:

Nowadays is preferred mainly removing of chlorine by our Stainless steel pressure filter purified by steam and correction of cooling water (removing of mechanical impurities and iron). In case of boiler water correction demineralization is preferred because of sedimentation in conduits. We offer filtration systems for swimming pools, which are operated in a full automatic or manual mode.

Our several filtration systems are able to filter waste into drinking water. That is mainly for kitchen, shower and bath water, which is after its using regenerated, disinfected and can be used again. After this process you are able to save a great amount of water.

2. Manufacture & products:

Following products are offered single or combined in water filtration units.

Turbidity Filter which is used for removing of mechanical impurities, mud and sediments, organics, and for coagulation (process of micro-units condensation).

Manganese Filter which is used for removing of manganese, iron and ammonia ions.

pH Correction Filter which is used for correction of acidic water with very low pH.

Carbon Filter which is used for sorption of chlorine (trichloroethylene, dichloroethylene, dichloroethane, chloroform epichlorhydrine etc.).

Ionization Unit which is used for ion-changing (using synthetic and natural sorbents).

Softening Unit which softens water.

Demineralization Unit which reduces amount of minerals in water.

Stainless steel tanks and other stainless steel equipment.

Aeration tower which is used for reduction of radon units through aeration.

According to client's requirements we are also able to complete our filtration systems with:
Reverse Osmosis Unit which is used for removing of entire ions and bacterium with efficiency up to 90 %.

General filter parameters:

- Automatic self-cleaning
- Powered under pressure
- 6 years guarantee
- Screen down to 5 microns
- Diameter of filter unit 170 mm to 3 000 mm (millimetre)
- Flow rate 0,5 cum to 150 cum (cubic metre)

We also offer the possibility of completion of more filters or units into one filtration system with unlimited flow rate capacity.

3. Other services:

According to client's requirements we are able to use our technologies in pressure filters made of plastic and glass-fiber reinforced plastic (GFRP). We also provide installation and reinstallation of conduits and revision of water works e.g. reservoirs, pumps, shafts, bores, filtration units and we make proposals of its reconstruction.

We also sell chemicals, filtration materials, filtration insets and fillers, bore pumps, dosing pumps, pressure tanks and other equipment.

Even though our professionals have more than 15 years experience in the water filtration sphere, they are constantly trying to learn new methods and actual statutory regulations. That is the reason why we provide consultancy in the water filtration sphere. We were also asked by several companies to qualify and train their employees who work with chemicals (in the Czech Republic there is needed an authorization according to the Law about chemicals 157/98 Sb.)

Technology:

Filtration

Removing of iron, manganese, nitrates, ammonia ions, aluminium, mechanical impurities, mud and sediments, organics, bad taste and odour.

Correction of acidic water.

Coagulation (process of micro-units consideration).

Softening

Softening of hard water.

Demineralization

Reduction of amount of minerals in water.

Other corrections

Removing of entire ions and bacterium with efficiency up to 90%. Reduction of radon units through aeration. Sorption of chlorine and chlorine-hydrocarbons. Ion-changing.

Contacts and preliminary data:

In order to make a proposal which would fulfil your requirements the best way, you need to know required future rate flow and results of chemical analysis of source water. As soon as you acquire these information, please do not hesitate to contact us for non-committal offer free of charge.

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