



CONTAINER WATER TREATMENT PLANTS

**Autonomous plug and play system, clean water on site,
flexible and efficient solution**



Areas with natural
disasters

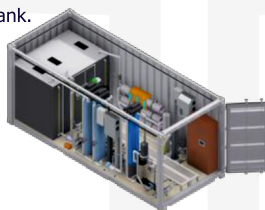
Humanitarian aid and
crisis situations

Primary treatment

Raw water is pumped into the pre-filter, where mechanical impurities are removed on a hydro cyclone (tangential separator), from where the water flows through an automatic disc filter (regeneration by the pressure difference of air and water) into a low-pressure UV lamp for disinfection. A multimedia filter is used to remove mechanical impurities up to 20 µm. Ozone is then used as a natural oxidant to remove iron, manganese, heavy metals, and other toxins. After ozonation, an activated carbon filter or a water softener is optionally used. As pre-purified water, it is stored in a buffer tank.

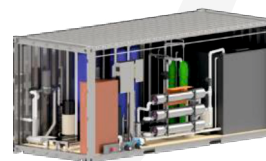
Secondary treatment

For use as process water, ultrafiltration is used, which is regularly regenerated with air and water. If drinking water is needed, the system is equipped with a nano membrane separation system that ensures the quality of drinking water. The water is stored in a multi-chamber storage tank.



Tertiary treatment

To ensure disinfection, we use a combination of an ozone and UV system, which creates an advanced oxidation process - the world's highest oxidation potential by free OH radicals = 100% non-chemical disinfection. Water treated in this way meets the parameters of drinking water.



**The container water treatment plant is equipped with advanced technologies
that effectively remove a wide range of pollution in water.**

Radionuclides:

Chemical, biological warfare agents:

Mechanical impurities:

Neuropharmaceuticals:

Pesticides:

Iron and Manganese:

Heavy metals:

Bacteria and viruses:

Organic
pollutants:

Removal of dangerous radionuclides that may be present in polluted water.

Elimination of toxic chemicals biological substances that may be contained in the water.

Removal of various mechanical impurities such as sand, mud, impurities from natural sources and other solid particles.

This treatment plant is able to remove drugs and pharmaceutical substances that may be present in the water.

Removal of pesticides and other agrochemicals that may be present in polluted water.

Water treatment removes excess iron and manganese, which can cause unwanted color and turbidity of the water.

Effective removal of heavy metals such as lead, cadmium, mercury, and others that are toxic to human health.

Elimination of bacteria, viruses and other microorganisms that can cause diseases and infections.

Organic substances such as petroleum substances, solvents, pesticides, and other chemical compounds that can pollute water and endanger the environment.

LIVE SAFE,
BE PREPARED

Targo – TEBRIX Holding, a. s.
Na Florenci 1270/31, Praha 1, 110 00

+420 720 072 248
info@tebrix.cz

TEBRIX



Container 20''



Container 40''

Use	Drinking water	Process/ utility	Demineralized	Drinking water	Process/ utility	Demineralized
Flow	Up to 4 m³/h	Up to 8 m³/h	Up to 3 m³/h	Up to 16 m³/h	Up to 28 m³/h	Up to 12 m³/h
Plug and play	yes	yes	yes	yes	yes	yes
Power supply	380 VAC	380 VAC	380 VAC	380 VAC	380 VAC	380 VAC
Connection – input	DN65	DN65	DN65	DN100	DN100	DN100
Connection – output	DN50	DN50	DN50	DN80	DN80	DN80
MAR measurement and regulation	yes	yes	yes	yes	yes	yes
Storage tank	yes	yes	yes	yes	yes	yes
Technology						
Centrifugation	yes	yes	yes	yes	yes	yes
Microfiltration	yes	yes	yes	yes	yes	yes
Preoxidation O ₃	yes	yes	yes	yes	yes	yes
ZC multimedia filter	yes	yes	yes	yes	yes	yes
Water softening	yes	yes	yes	yes	yes	yes
GAC filter	yes	yes	yes	yes	yes	yes
Removal of micropollutants (AOP)	yes	yes	yes	yes	yes	yes
Ultrafiltration	yes	yes	yes	yes	yes	yes
Nanomembrane	yes	-	-	yes	-	-
Reverse osmosis	-	-	yes	-	-	yes
Disinfection UV	yes	yes	yes	yes	yes	yes
Disinfection O ₃	yes	yes	-	yes	yes	-
Backup dosing of hypochlorite	yes	yes	-	yes	yes	-
Backup dosage of pH stabilizer	yes	yes	-	yes	yes	-



Carriage 140



Carriage 260

Use	Drinking water	Process/utility	Drinking water	Process/utility
Flow	Up to 1 m³/h	Up to 3,5 m³/h	Up to 2,5 m³/h	Up to 6 m³/h
Plug and play	yes	yes	yes	yes
Power supply	240 VAC	240 VAC	240 VAC	240 VAC
Connection – input	DN65	DN65	DN80	DN80
Connection – output	DN50	DN50	DN65	DN65
MAR measurement and regulation	yes	yes	yes	yes
Storage tank	yes (500 l)	yes (500 l)	yes (1500 l)	yes (1500 l)
Technologie				
Centrifugation	yes	yes	yes	yes
Microfiltration	yes	yes	yes	yes
Preoxidation O ₃	yes	yes	yes	yes
ZC multimedia filter	yes	yes	yes	yes
Water softening	yes	yes	yes	yes
GAC filter	yes	yes	yes	yes
Removal of micropollutants (AOP)	yes	yes	yes	yes
Ultrafiltration	yes	yes	yes	yes
Nanomembrane	yes	-	yes	-
Reverse osmosis	-	-	-	-
Disinfection UV	yes	yes	yes	yes
Disinfection O ₃	yes	yes	yes	yes
Backup dosing of hypochlorite	yes	yes	yes	yes
Backup dosage of pH stabilizer	yes	yes	yes	yes