OZOREON

RIVVER

SAFE WATER
WHERE IT MATTERS MOST



Built on industrial validation, we are bringing robust water treatment to places where safe water is critical.

MODULAR • MULTI-BARRIER • PLUG-AND-PLAY

RIVVER SYSTEM OVERVIEW

RIVVER is a modular, plug-and-play water treatment system designed to produce microbiologically safe drinking water from natural freshwater sources.

A multi-barrier process combines staged filtration, ozone oxidation and disinfection, adsorption and final UV-LED treatment.

No treatment chemicals to dose, store or transport. Ozone is produced on site from ambient air.

<1.8 m³/h	40 m³/day	≈ 0.5 kWh	Offgrid capable
TREATMENT CAPACITY	MAXIMUM DAILY OUTPUT	PER m³ AT FULL LOAD	FOR WATER RESILIENCE



RIVVER CORE
800 × 500 × 385 mm

PUMP STATION
800 × 500 × 385 mm

WATER TREATMENT UNIT
800 × 600 × 1500 mm

ONE CONTINUOUS, PRESSURIZED TREATMENT LINE, WITH 3 MICROBIOLOGICAL BARRIERS:

01	02	03	04	05	06	07	08
RAW WATER	**PUMP**	**PRE-FILTRATION**	**ULTRAFILTRATION**	**OZONE**	**POST-TREATMENT**	**UV-LED**	**CLEAN WATER**
Strainer	Flow control	80 µm + 20–5 µm	0.01 µm membrane	Dissolution + pressurized contact tanks	10 µm + GAC	Final barrier	Outlet or storage

Concept design. Final dimensions and performance subject to engineering validation.

OZOREON

OZONE DOES MORE.

Ozone (O_3) provides powerful oxidation and disinfection in the same compact treatment stage. Ozone – our core – delivers:

MICROBIAL INACTIVATION

Rapid disinfection against bacteria, viruses and protozoa.

ORGANIC OXIDATION

Reduces color, taste and odor, and helps break down a broad range of organic contaminants, including humic substances and tannins.

IRON AND MANGANESE

Converts dissolved metals into particles for downstream filtration.

BIOFILM CONTROL

Oxidation supports cleaner treatment surfaces and more stable operation.

H-UNIT® ADVANTAGE

Ozone from ambient air without traditional drawbacks. No pre-treatment, complexity or sensitivity. Just robust ozone production for stable operation – 24/7.

