

The company AQUANALYTIC is an exclusive distributor for Russia, Ukraine, Kazakhstan, Belarus, Turkey, and Israel of water purification systems produced by Evoqua (Germany). The systems have been known as the high quality and state-of-the-art products since the beginning of the 1990s. Initially, the systems were introduced to the market under the brand name SG WATER (Germany). In 2008 the company SG WATER had been acquired by SIEMENS and substantial funds were invested in the development of the technology. The water purification systems for laboratory applications subsequently gained worldwide popularity under the brand SIEMENS. In 2014 the company Evoqua (USA) bought from SIEMENS these production assets with a view to extending their presence at the market of water conditioning and purification and to strengthen their position at the markets of Asia and Europe. AQUANALYTIC technicians will provide you with all the necessary methodological and technical information in your language. All the spare parts and consumables are available from our warehouse in Germany and can be delivered to you in 3-5 days under CIP terms.



Briefly about the systems for water type I, type II, type III

Ultrapure water system Ultra Clear TP



*Laboratory water
purification system
ULTRA Clear TP*

The system is cost-effective and reliable, that makes it the best solution for production of water that far exceeds all reagent water quality standards. Some advanced hardware and software features of the system can not be found in similar systems by other manufacturers and for the same amount of price. The system is equipped with a 7" touch panel that is the biggest screen among analogue systems. All necessary information on the work of the system is represented on the screen, so it easy to monitor the process and make settings. A user-friendly interface makes the device easy to use. During the work, at any stage of the purification process, you can obtain an up-to-date and detailed report on the quality of water and the state of the system. An indication of the parameters allows monitoring a condition of each module of the system in order to perform maintenance in time and if it is necessary, replace only worn-out component but not the whole purification unit.

The system is easy to operate. You can make all the necessary settings by touching functional system components. SD cards and USB used for data transfer. All models from the line Ultra Clear TP are equipped with the TOC sensor.

The company Evoqua offers a wide model range of ULTRA Clear® TP systems: TWF system is equipped with all the necessary components to produce reagent grade water directly from municipal tap water. Such systems can be equipped with a storage reservoir of different capacity (30/60 liters), UV-oxidization chamber, CO2 trap. Can be chosen an appropriate system performance (10/20 liters/hour)

Ultra Clear® TP TWF EDI System equipprd with a deionization module IonPure Cell. The configuration of the system with the ultrafiltration module (UF) is optionally available. UF module is used in order to obtain RNase- and Dnase-free and with endotoxin levels of < 0.001 EU/mL.

Reverse osmosis water systems Ultra Clear RO



*Система очистки воды
Ultra Clear RO*

Systems of model range Ultra Clear RO produce high-quality water (type II) with very low energy consumption. The use of "low energy" membranes provide very efficient and economical operation. High quality material standards guarantee a long service life. The Ultra Clear RO system uses the newest pump technology, which runs without the traditional e-motor, and operates nearly noiseless. Due to an integrated automatic membrane rinse cycle, in many cases, the systems can operate on untreated city water. Recovery rates up to 75% are possible with optional water softening. Product water recovery is up to 50%, therefore Ultra Clear RO Series also conserve water and store it in 30, 60 or 80 liter size tanks equipped with UV lamp. A storage tank basically guarantees that water is available when needed.

LaboStar Pro – analytical grade water producing system



Система очистки воды
LaboStar Pro

The LaboStar PRO system is a cost-effective means of producing type I and type III quality water. This extremely compact ultrapure water system can be used on a laboratory bench. Being equipped with a 7-liter storage reservoir, along with the recirculation section, that enable to obtain a necessary amount of water when it is needed.

The water produced has the next quality indicators: The water produced by the system has a conductivity of 0.055 $\mu\text{S}/\text{cm}$ (equivalent to 18.2 $\text{M}\Omega\text{-cm}$) and a TOC value of < 10 ppb. The water produced by the ultraviolet (UV) version has a TOC value of 1 – 5 ppb. This water quality exceeds all relevant standards including ASTM Type I, CLSI (Clinical Laboratory Standards Institute) and ISO 3696 Type I

TWF systems produce ultrapure water straight from your drinking water supply. Moreover, the company Evoqua offers systems Labostar 10 RO that enable to obtain type I and type III quality water, and a system producing type II quality water Labostar 10 RO DI equipped with electrodeionization module. Δ If it is necessary to get a significant amount of produced water at a time, the 7-liter storage tank capacity can be increased by an additional 30 or 60-liter tank. Thus, you can always be sure that you have an adequate supply of clean water. It easy to manage all the processes using a display monitor.

Typical applications of Ultra Clear RO system

- Media preparation
- Buffer preparation
- Feed for laboratory ultra-pure water systems
- General Chemistry
- Final Rinse of laboratory washing machines

In water purification systems for laboratory applications by Evoqua used next technologies:

- Polishing module with active carbon
- Reverse osmosis modules
- Ion exchange water softener
- Electrodeionization
- UV oxidization
- Afterfiltration with activated carbon and mixed ion exchange bed
- Ultrafiltration

Typical applications of Ultra Clear, Labostar system

- High-performance liquid chromatography
- Ion chromatography
- Gas chromatography and mass-spectrographic analysis
- Ion chromatography
- Inductively coupled plasma mass spectrometry
- DNA sequencing
- RNase-, DNase-, DNA-free applications
- Polymerase chain reactions
- In vitro fertilization
- Water for injections
- Two-dimensional high-voltage electrophoresis
- Cell and tissue culture
- Pyrogen sensitive applications