UNIQ

UNIQ is designed with minimalist industrial aesthetics and ergonomic principles, combining beauty and practicality
As the latest generation of a universal model UNIQ pursues ultimate convenience



Product Advantages

Easy Maintenance
Routine maintenance can be performed quickly and easily without the need for professional personnel

Easy Placement
The main unit and the water storage unit are of equal height, offering a more aesthetic appearance and enhanced placement flexibility

Easy Installation
New installations require no supervision; all standard consumables are activated and rinsed automatically with the press of a button

Easy Cleaning
Bag-style storage prevents external air contamination, eliminating the hassle of cleaning water tanks

Easy Operation
An intuitive control interface provides a clear overview of key indicators, making operation and water retrieval effortless

Easy Management
IoT-enabled remote management, backed by proprietary technology and eight years of implementation experience

Easy Access
The EZ-DSP integrated faucet design offers a new, more convenient approach to water usage

Full Variable Frequency
Automatically stabilizes output and working pressure, with variable flow rates to prevent splashing

Application Fields

General Applications
• Washing • Autoclaves

Life sciences Applications
• Cell culture • Molecular biology • Proteomics • Genomics research

Analytical Applications
• Electrochemical analysis • Spectrophotometric analysis • Spectroscopic analysis (AAS, AES, ICP)
• Chromatographic analysis (IC, HPLC, UPLC) • Mass spectrometry analysis (MS, GC-MS)

Product Details

Control Interface
A color display screen with a simple and intuitive UI design. Water quality and consumable status can be visually identified by color without the need foradditional interface operations



EZ-DSP Remote Dispensing Station
Innovative integrated faucet design for efficient space utilization, creating a more spacious laboratory environment



Modular Design
The entire machine adopts a modular design, simplifying maintenance and replacement processes



Bag Storage
Water storage bags made of PET+NY+PE materials, designed for quick replace-ment to eliminate the cumbersome process of cleaning water tanks. Thiseffectively prevents external air contamination and the formation of permanent biofilms. While ensuring water quality, no additional consumables such as breathing filters are required, significantly reducing operational costs



Exclusive EZ-DSP Technology
(EZ-DSP Remote dispensing station with IP54 waterproof rating)
• Reduces countertop occupancy • lowers operational intensity • Prevents water splashing on the desktop

Dual-Stage Reverse Osmosis Technology
Designed for water sources in developing countries, validated over years across regions to improve pure water quality, extend the lifespan of ultrapure cartridges, and reduce operating costs. Constant Output Control Function: Automatically adjusts output to prevent water supply shortages caused by temperature fluctuations

UNIQ

Product Features

TOC Online Monitoring

Measurement range of 1.0 - 999.9ppb; an optional module provides real - time TOC online indicators

Dual UP Operating Modes

Offers ECO/PRO modes to flexibly meet the diverse water usage needs of laboratories

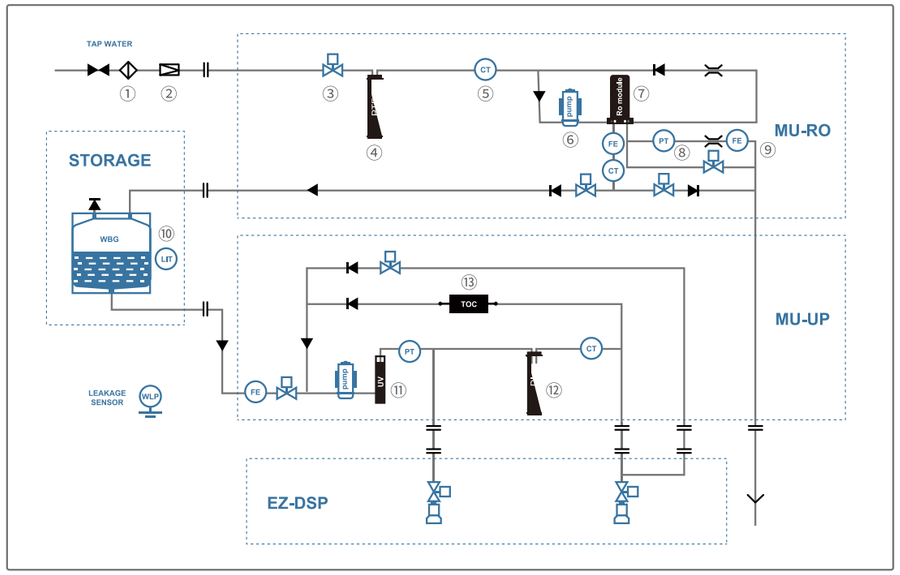
Safety Protections

- CE Certification: Certified with EU safety standards, ensuring both quality and safety
- Low - Voltage Design: The entire machine uses low - voltage components, ensuring safer operation
- Leakage Protection: Combines water - electric separation with internal/external water accumulation sensors to ensure water usage safety
- Operation Safeguard: Built - in multiple protection mechanisms to address issues such as temperature, pressure, flow, and feed water abnormalities

Device Communication Interface



Process Flow Diagram



1. Filters 2. pressure - reducing valves 3. solenoid valves 4. pre - treatment filtration cartridges 5. conductivity meters
6. booster pumps 7. RO membrane module 8. pressure sensors 9. flow meters 10. liquid - level sensor 11. ultraviolet lamp
12. ultra - purification cartridge 13. TOC Monitor

Water Quality Specifications

Feed Water Requirements

Municipal tap water, 5 - 35° C, pressure 1 - 6 bar, Conductivity: <2000 μs/cm, Total hardness (as CaCO3): <300 ppm, TOC: <2000 ppb, Free chlorine: <3 ppm, pH: 4 - 10, Dissolved CO2: <30 ppm, Iron: <0.1 ppm, Manganese: <0.05 ppm, NTU: <1

System Production Flow Rate

20L/H @15 - 35°C (other flow rate, please inquire separately)

Product Water Quality

Pure water:

ECO Mode: Conductivity (at 25°C) ≤ 5 μS/cm (Typical Value)
PRO Mode:After system stabilizes, water quality: Conductivity (at 25°C) ≤ 1 μS/cm
The remaining water quality indicators meet Grade III specifications of ASTM D1193, ISO 3969, GB/T 6682

Ultrapure Water:

Resistivity 18.2MΩ·cm@25°C; Heavy Metal Ions <0.01ppb; TOC <5ppb[①]
Bacteria <0.001CFU/mL②; Particles (>0.2μm) <1/mL[②]
Endotoxins <0.001EU/mL③; DNase <4pg/mL③; RNase <1pg/mL③; Protease <0.15μg/mL[③]
The remaining water quality indicators meet EP, USP, JP, ChP purified water standards and Grade I specifications of ASTM D1193, ISO 3969, GB/T 6682

Volumetric Dispensing

Maximum dispensing flow rate of 2L/min

Power Supply

AC100 - 240V, 50Hz

Storage Capacity

25L (for larger capacities, please inquire separately)

Power/Noise Level

120W, operating noise <50dB (at 1 meter distance)

Equipment Dimensions

Water Storage Unit (25L): 280x490x555mm Main Unit: 330x575x545mm

Net Weight

Water Storage Unit (25L): 9 kg Main Unit: 24.5kg

① Following proper system maintenance and sampling conditions, typical value <5ppb.
② Using end - point filters and following proper system maintenance and sampling conditions.
③ Using EDX end - point filters and following proper system maintenance and sampling conditions

Ordering Information

Item	Model	Unit	Remarks
UNIQ Water Purification System	-	Set	Includes the water storage unit (25L) and all necessary initial running consumables and components. Does not include the end - point filter (optional)
Printer	PRN-B-PS2	EA	Optional accessory
UNIQ Secondary Tank	SPTK-25L	Set	Optional accessory
Dual Foot Switch	FST -20SH	EA	Optional accessory
Online TOC Monitor	TOC-2000A	Set	Optional accessory
EZ - DSP Remote Dispensing Station	EZD -UN	Set	Optional accessory
14W Dual - Wavelength Ultraviolet Lamp	UV -1402	EA	Consumable
25L Water Storage Bag	WBG-25L	EA	Consumable
Pre - Treatment Filtration Cartridge (PTF - 3001 - N)	PTF-3001-N	EA	Consumable
Ultra - Purification Cartridge (DI - 1001C - N)	DI-1001C-N	EA	Consumable
Dual - Stage RO Module (RO - 220M - N)	RO -220M-N	EA	Consumable
0.22μm End - point Filter	EDF-022A	EA	Consumable
EDX End - point Filter	EDX-05	EA	Consumable
Sanitation Box	STK-5002-N	EA	Spare part