



KLABS SMART Ultra Pure Water Purification System



Product Description

KLABS KSUPWS-50 SMART Ultra Pure Water Purification System is an advanced laboratory water purification system designed to produce Type-1, Type-2 & Type-3 ultra pure water with high recovery efficiency and touchscreen operation. The system incorporates double RO pass technology, activated carbon filtration, and high-quality T.F.C. polyamide membranes for reliable laboratory-grade purified water generation.

Features

- Produces Type-1, Type-2 & Type-3 Water
- Touch Screen Operation
- High Recovery up to 60% of Water
- Polyamide T.F.C. Membrane Double RO Pass
- Integrated Table Top / Wall Mounted Sleek System
- Three Stage Pre-filtration System
- Activated Carbon & Antiscalant Protection
- High Quality T.F.C. Polyamide RO Membrane
- Ion Rejection > 99%
- Compact & Laboratory Friendly Design
- Easy Operation
- 24 × 7 Working Capability

Applications & Uses

- Pharmaceutical Laboratories
- Research & Development Laboratories
- Biotechnology Laboratories
- Analytical Chemistry Laboratories
- Microbiology Laboratories
- Clinical Laboratories
- HPLC & Instrument Feed Applications
- Media Preparation
- Buffer Solution Preparation
- Chemical Analysis Applications
- Educational & Academic Institutes



TOUCH
SCREEN



3 - STAGE
FILTRATION



EASY
OPERATION



TYPE 1 & TYPE 2
& TYPE 3
GRADE WATER



24
HOURS
WORKING

Accessories

- RO Membrane Assembly
- Activated Carbon Filter
- Touch Screen Controller
- Integrated Pre-filtration System
- Water Purification Cartridges
- Conductivity Monitoring System

Technical Specifications

Parameter	Specification
Product Name	KLABS SMART Ultra Pure Water Purification System
Model Number	KSUPWS-50
Display	5.7" TFT / LED / LCD Display
Water Type	Type-1 / Type-2 / Type-3
Resistivity	18.2 MOhm cm at 25°C
Conductivity	0.05 µS/cm
TOC	< 5 ppb
Particulates (>0.1 µm & <0.22 µm)	< 1/ml
Bacteria (1 cfu/100ml)	< 0.01 cfu/ml
Endotoxins / Pyrogens (EU/ml)	< 0.001
RNase	< 0.001 ng/ml
DNase	< 0.005 pg/µl
Dispense Rate (Programmable)	> 2 L/mi
End Point Filter	0.2, 0.1 (EPA: 250cm / 260cm) 2µ / 0.2
Type-3 Grade Water Specifications	< 20 µS/cm
Product Flow	5/10/15/20/25/30/35/40/50
Tank	Yes
Feed / RO / UV Rejection Monitoring	Yes
Cell Constant	K = 0.01 / 0.1 / 1.0

Model

Model Number	Product Flow	Model Number	Product Flow
KSUPWS-05	5 L/hr	KSUPWS-30	30 L/hr
KSUPWS-10	10 L/hr	KSUPWS-35	35 L/hr
KSUPWS-15	15 L/hr	KSUPWS-40	40 L/hr
KSUPWS-20	20 L/hr	KSUPWS-50	50 L/hr
KSUPWS-25	25 L/hr		