

Ultra-Water Purification System

Water filtration is the process of removing or reducing the concentration of particulate matter, including suspended particles, parasites, bacteria, algae, viruses, and fungi, as well as other undesirable chemical and biological contaminants from contaminated water to produce safe and clean water for a specific purpose. Using an existing source of pure water as feed, the NEPTEC Halios 12 system delivers high-quality ultrapure water (resistivity value: 18.2 M Ω -cm (0.055 μ S/cm), providing an ultrapure water solution adapted to today's laboratory environments.



Technical Specifications

Resistivity	18.2 M Ω -cm (0.055 μ S/cm)
Total Organic Carbon (TOC)	≤ 2 ppb (μ g/l) ≤ 10 ppb (w/o option-UV lamp)
Particle Content < 1 ml	< 1/ml
Bacteria	<0.01 CFU/ml
Pyrogens	< 0.001 EU/ml
RNAses	0.004ng/ml
Flow Rate up to 2 liter/ min	Up to 2-liter/min
UV unit (185/254nm) for the ultimate microbiological purity and TOC reduction	185/254nm
Pure water specifications	ASTM Type 1

Details of Ultra-Water Purification System

Brand	NEPTEC – GERMANY
Model	HALIOS 12
Sponsored Agency	DST- PURSE program (Phase -2)