



WATER PURIFICATION SYSTEM

PURE & ULTRAPURE LAB WATER PURIFICATION SYSTEMS



VEERO SYSTEMS - WPS SERIES

REVERSE OSMOSIS, UV, UF, ION EXCHANGE & MICRONS FILTERS TECHNOLOGIES

User Friendly | Easy Maintenance | Reliable Design

ULTRAPURE LAB WATER

- Auto-rinsing to ensure consistent water quality
- Sensing Cell displays accuracy of Conductivity & Resistivity automatically

USER FRIENDLY

- One-touch clip type filters: Easy replacement
- Modular design for easy maintenance.

SAFETY FUNCTION

- LPS Switch regulates water pressure for smooth operation

ECONOMICAL

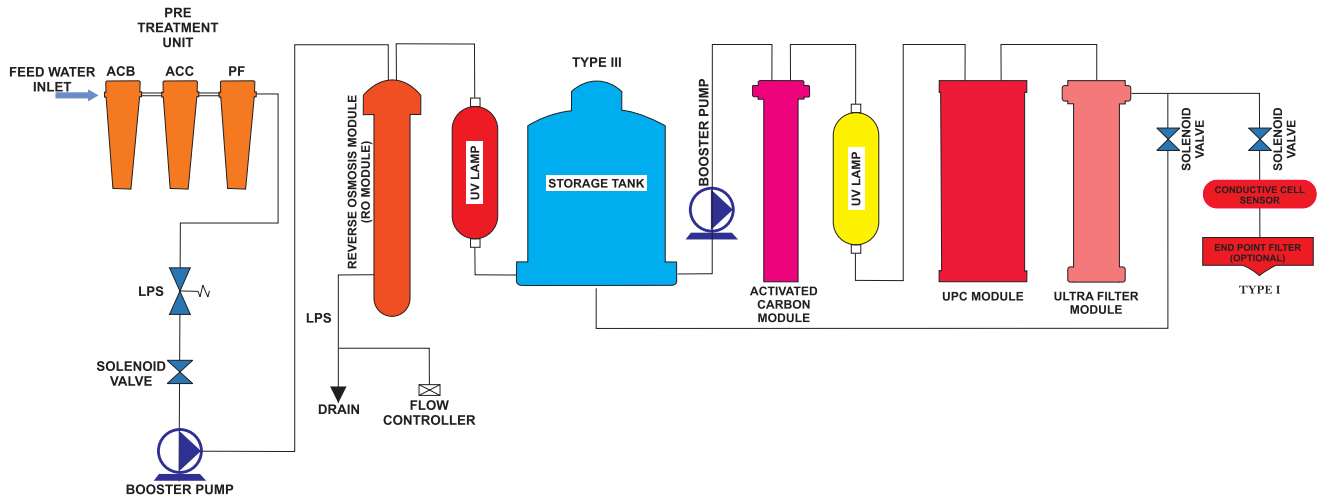
- Pure & Ultrapure lab water system at competitive cost

SALIENT FEATURES

- **Booster Pump** : System incorporates Low noise, High pressure pump.
- **UF/UV Module** : Controls the Microbial load, Pyrogens, RNase, DNase & TOC Reduction.
- **AC Module** : Removes free chlorine.
- **Flush mode** : Pre-programmed re-circulation cycle to maintain quality of water & cartridge life.
- **Storage Tank** : Fitted with water level controller & Vent Filter provides effective protection against airborne contaminants.
- **Two-in-one system** : Two spouts for TYPE-I & TYPE -III water.
- **End Point Filter** : Process water filtered through 0.2 μ filter.
- **Pre-treatment Module** : Designed to treat the raw water and produce feed water (within the limit of portable water/soft water).
- **Equipment** : Compact for table top.
- **Input Voltage** : AC 230/110 option available.

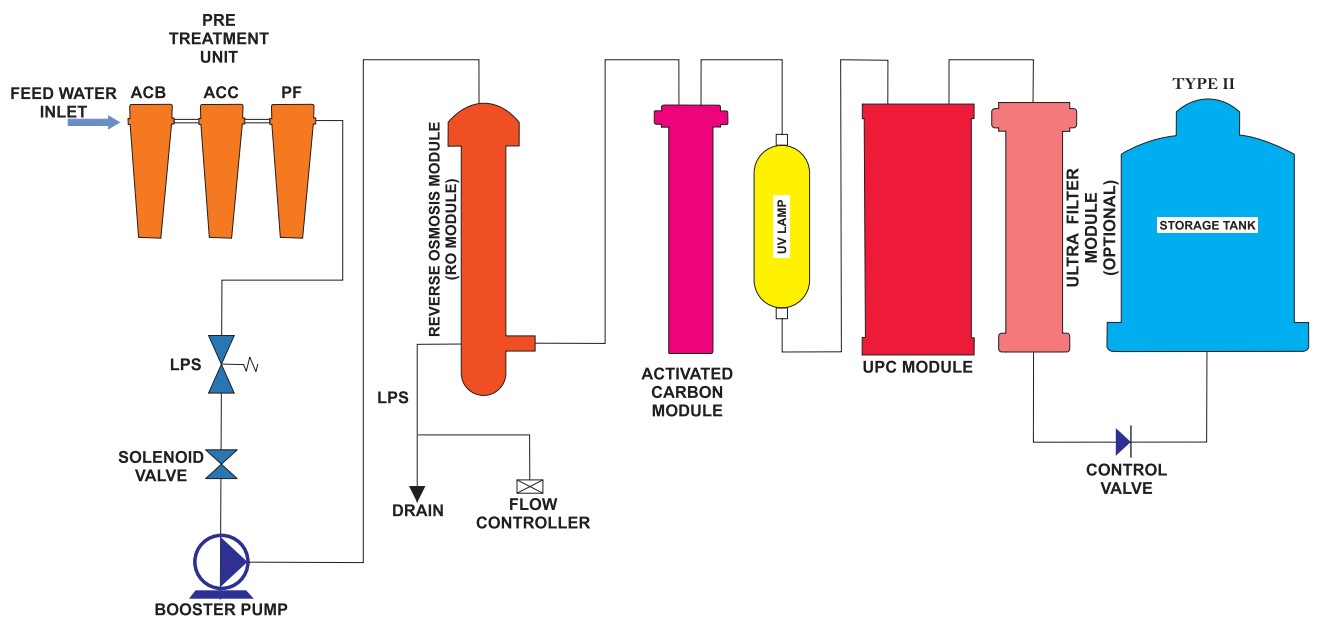


PROCESS FLOW DIAGRAM TYPE I & III - ULTRAPURE LAB WATER PURIFICATION SYSTEM



Veero - P System

PROCESS FLOW DIAGRAM TYPE II - PURE LAB WATER PURIFICATION SYSTEM



PURE & ULTRAPURE LAB WATER PURIFICATION SYSTEM SPECIFICATIONS

System Feed Water Requirements:

Feed Water Requirements for
PURE & ULTRAPURE Lab Water Purification System

Water Source	Portable/RO/DM
Conductivity (µs/cm)	<2000
Pressure (Bar)	0.1-6
Temperature (°C)	Up to 40
Feed Chlorine (ppm)	<10
Silt Density Index	<12
TOC (ppb)	<2500
pH	4-10

Veero- ULTRA Type - I

System Water Specifications

Display	LCD Digital
Resistivity (MΩ cm at 25°C)	18.2
TOC (ppb)	<5
Product Water Dnase (pg/ml)	<5
Product Water Micro organisms (CFU/ml)	<1
Product Water Pyrogens (EU/ml)	<0.001
Product Water Rnase (pg/ml)	<1
Flow Rates (L/m)	1.2 - 1.5

Veero- ULTRA Type - III

System Water Specifications

Inorganics	Ionic Rejection upto 99%
TOC (ppm)	Organic Rejection upto 99%
Bacteria (CFU/ml)	<1
Particles	>99% Rejection
Flow Rates (L/m)	Upto 10,15,20 & 30
Dimension (mm) HXWXD	550x400x450
Part Weight (kg)	32

Veero - **P** PURE Type - II

System Water Specifications

Resistivity (MΩ cm at 25°C)	>5
TOC (ppm)	<30
Product Water Dnase (pg/ml)	5
Product Water Bacteria (CFU/ml)	<1
Product Water Pyrogens (EU/ml)	<0.001
Product Water Rnase (pg/ml)	<1
Flow Rates (L/Hr.)	10,15,20 & 30
Dimension (mm) HXWXD	500x350x440
Part Weight (kg)	26

All heavy metals & water traceable metals well within the limit as per IP/IS/USP Standards.

NOTE: Based on feed water we will customize Lab Water purification system

ORDERING INFORMATION	PART NO.
Ultrapure Lab Water Purification system (Type I & Type III)	VOE-WPS-001
Pure Lab Water purification system (Type II)	VOE-WPS-002

APPLICATIONS:

TYPE - I

Chromatography: HPLC, UPLC, LC-MS and GC
Elemental Analysis: AA, GFAA, ICP-MS, ICP-OES and ILC
Cell Culture
Molecular Biology and Bio-chemistry PCR, DNA Sequencing, DNA Microarray, Electrophoresis and Blotting

TYPE - II

Used in buffers, PH solutions and microbiological culture media preparation and for preparation of reagents for chemical analysis used in clinical analyzers, cell culture incubators and weatherometers etc..

TYPE - III

Analytical techniques with sensitivity at ppm level or above such as pH measure or Kjeldahl test
Chemical Synthesis: Reagents Preparation.
Staining Solutions Preparation for Histology
Instrument Feed: Feed Water for Clinical Analyzers, Water Bath, Glassware Washing Machines, Stainless Steel Autoclaves

CERTIFICATION:

Instrument was validated by external laboratory (Govt. Approved) and results are satisfactory as per IP Standards
Quality assurance at all levels of process, veero mfg facilities certified to ISO:9001:2015, OSHAS 18001:2007; TS16949: EN15085 standards

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