

Water Purifier - Auto Pure Type 1 Water

For Organic and Analytical Chemistry: Ultrapure, Analytical, Low TOC



MADE
IN THE
USA

Benchtop WC301UVB: 120V / WC311UVB: 220V
Remote Dispense WC301UVR: 120V / WC311UVR: 220V

Water quality Type 1, 18.2 MΩ

Feed requirement < 20 uS

Flow 0.67 gpm
2.5 lpm

Water is purified using a staged purification process which includes high-purity ion exchange resins to remove dissolved minerals, and ultraviolet light for bacteria sterilization and TOC reduction. As water exits the system, a final filter removes particulates and bacteria to reach Type I water specifications.



WC Series Configuration

- Conditioning cartridge
- Polishing cartridge
- UV oxidation
- 0.2 micron filter

Features

- 2.5 LPM* of 18 MΩ Type 1 reagent water on demand
- Intuitive, user-friendly touch screen interface
- Real time quality monitoring with leak detection
- **Compact design with remote dispense option**
- **Quick change, no tools cartridge design**
- Large capacity, low cost consumable cartridges
- Premium quality ion exchange resin
- **Low ownership cost**

* Reported flow rate is typical but can vary depending on supply pressure and system options

Applications

- High Performance Liquid Chromatography (HPLC)
- Gas Chromatography Mass Spectrometry (GC/MS)
- Inductively Coupled Plasma Mass Spectrometry (ICP-MS)
- Analytic Chemistry / Trace Organics

Specifications

Model	WC301UVB/WC311UVB	WC301UVR/WC311UVR
Type	Benchtop	Remote dispense
Resistivity*	18.2 MΩ-cm	
Bacteria*	< 1 cfu/ml	
Particulates*	< 0.2 µm filtration	
TOC*	< 5 ppb	
Temperature	100°F / 30°C	
Pressure	90 PSIG Max. / 20 PSIG Min.	
Flow rate (typical)	0.67 Gallons Per Minute / 2.5 Liters Per Minute < 2.0 LPM with Ultrafilter & Endotoxin filter installed	
Inlet connection	3/8" O.D. Tubing / 9.53 mm O.D. Tubing	
Dimensions (H x W x D)	21.6 in. x 14.7 in. x 14.4 in. (54.8 cm x 37 cm x 36.5 cm)	
Weight	42 lbs. dry / 47 lbs. operating (22.7 kg dry / 25 kg operating)	
Power requirements	120V, 60 Hz @ 1.0 amp / 220V, 50 Hz @ 0.5 amp	

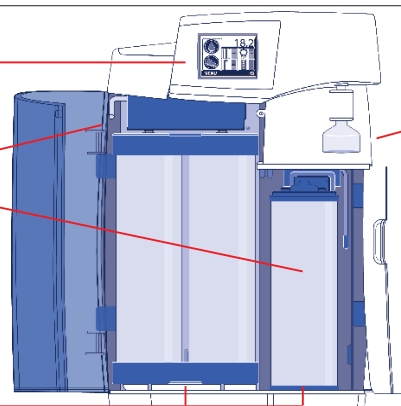
* Performance based upon RO / DI or Distillation Feed (< 20 uS/cm, < 50 ppb of TOC, 0.2 micron filtration)

System Highlights

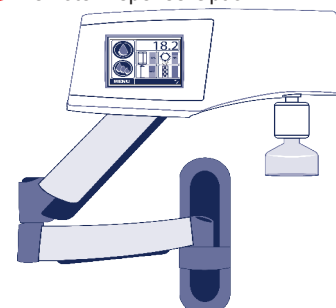
Intuitive Touch Screen Controls
Programmable Volume Dispense
Real-time Quality Monitoring & Alerts

Quick Change Cartridge Design

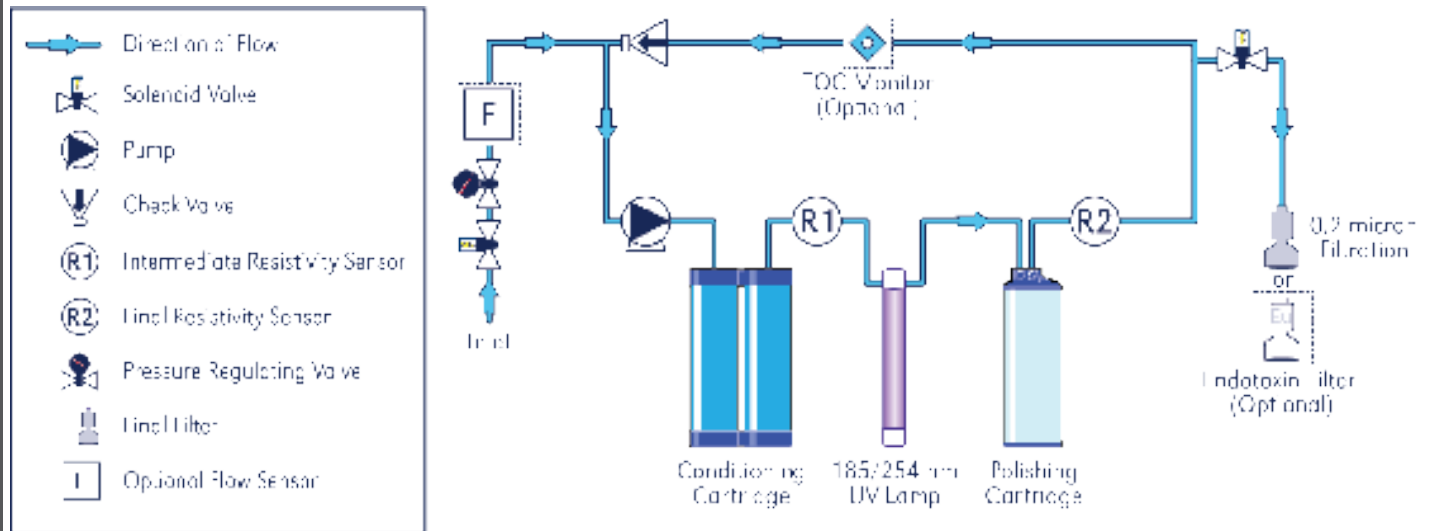
Large Capacity Cartridges filled
with Premium ResinTech Media



Remote Dispense Option



Flow Diagram



Additional System Components

Product code	Description
Installed Options and Accessories*	
ARI-PHADF	Direct Feed Port
ARI-PHADG	Recirculating Dispensing Gun
ARI-PHAWB	Wall Mount Bracket
Cartridges and Filters**	
ARI-PX135001	Dual Conditioning Cartridge (RO Feed)
ARI-PX135002	Dual Conditioning Cartridge (SDI / TAP Feed)
ARI-PX115103	Polishing Ultrapure Cartridge
ARI-PX115104	Polishing Ultrapure Low Organics Cartridge
ARI-PF006402	0.2 Micron Capsule Final Filter - 1/4" MNPT x 1/4" hose barb
ARI-PF007101	0.2 Micron Capsule Final Endotoxin Filter - 1/4" MNPT x 1/4" hose barb
Consumables	
ARI-PF007105	Ultrafilter - 3/8" Quick Disconnect Fitting
ARI-HPA016	UV Bulb 254/185nm TOC Destruct
ARI-HPA017	Sanitization Kit (includes cartridges, test strips, and gloves)

* Must be pre-ordered for factory installation

** Not included in a system and ordered separately

Model Configuration (aside from Benchtop)

Remote configuration



Wall mount with dispensing gun



Wall mount bracket and dispensing gun are options, sold separately

Best Value in Replacement Consumables

