

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 (Benchtop) WC301UVR/WC311UVR (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
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)

Other WC Series Configuration (includes TOC Monitor)

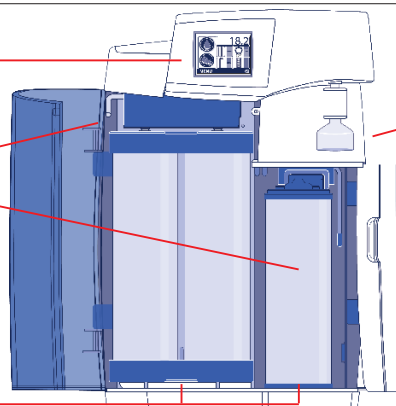
Product code and Description
WC301UVTB
Benchtop - with UV Oxidation Lamp and TOC Monitor 120V/60Hz
WC311UVTB
Benchtop - with UV Oxidation Lamp and TOC Monitor 220V/50Hz
WC301UVRT
Remote Dispense - with UV Oxidation Lamp and TOC Monitor 120V/60Hz
WC311UVRT
Remote Dispense - with UV Oxidation Lamp and TOC Monitor 220V/50Hz

System Highlights

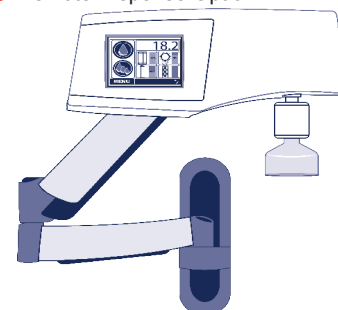
Intuitive Touch Screen Controls
 Programmable Volume Dispense
 Real-time Quality Monitoring & Alerts

Quick Change Cartridge Design

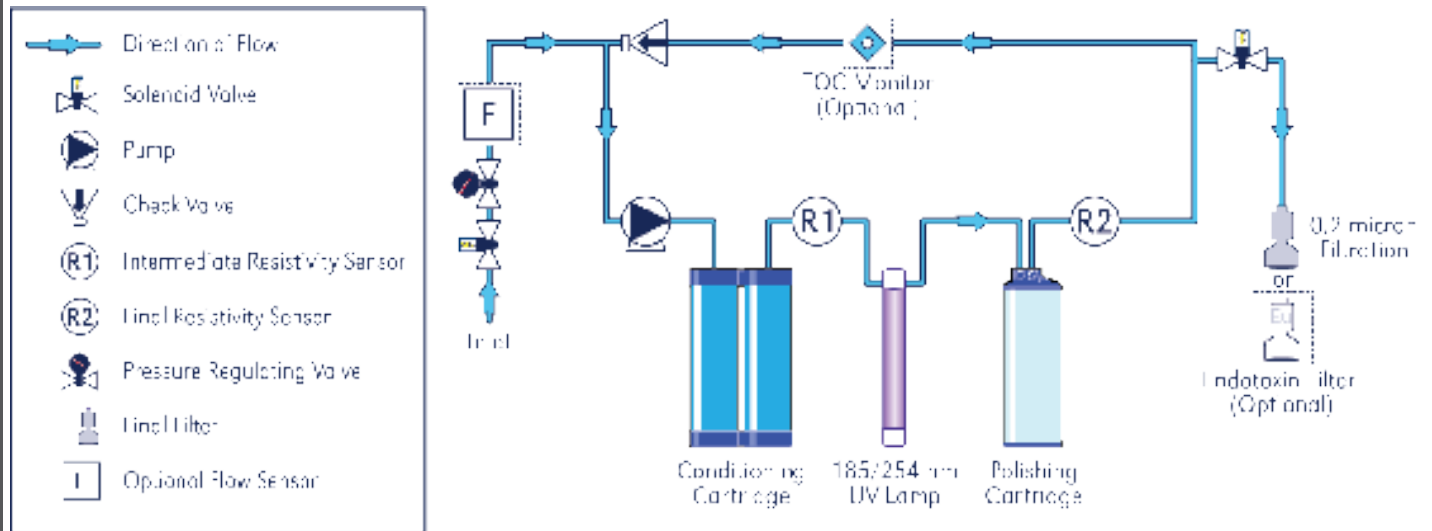
Large Capacity Cartridges filled with Premium ResinTech Media



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-HPA016	UV Bulb 254/185nm
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

Best Value in Replacement Consumables



Model Configuration (aside from Benchtop)

Remote configuration



Wall mount with dispensing gun



Wall mount bracket and dispensing gun are options, sold separately