

# Water Purifier - Auto Pure Type 1 Water

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



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)

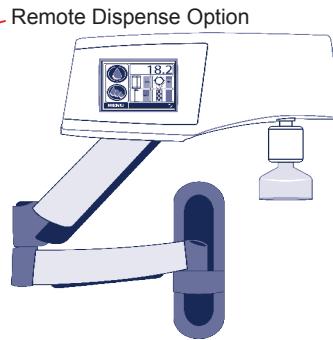
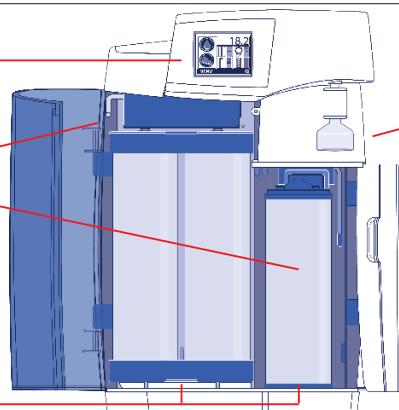
Product code and Description
<b>WC301UVTB</b> <b>Benchtop</b> - with UV Oxidation Lamp and TOC Monitor 120V/60Hz
<b>WC311UVTB</b> <b>Benchtop</b> - with UV Oxidation Lamp and TOC Monitor 220V/50Hz
<b>WC301UVTR</b> <b>Remote Dispense</b> - with UV Oxidation Lamp and TOC Monitor 120V/60Hz
<b>WC311UVTR</b> <b>Remote Dispense</b> - with UV Oxidation Lamp and TOC Monitor 220V/50Hz

## System Highlights

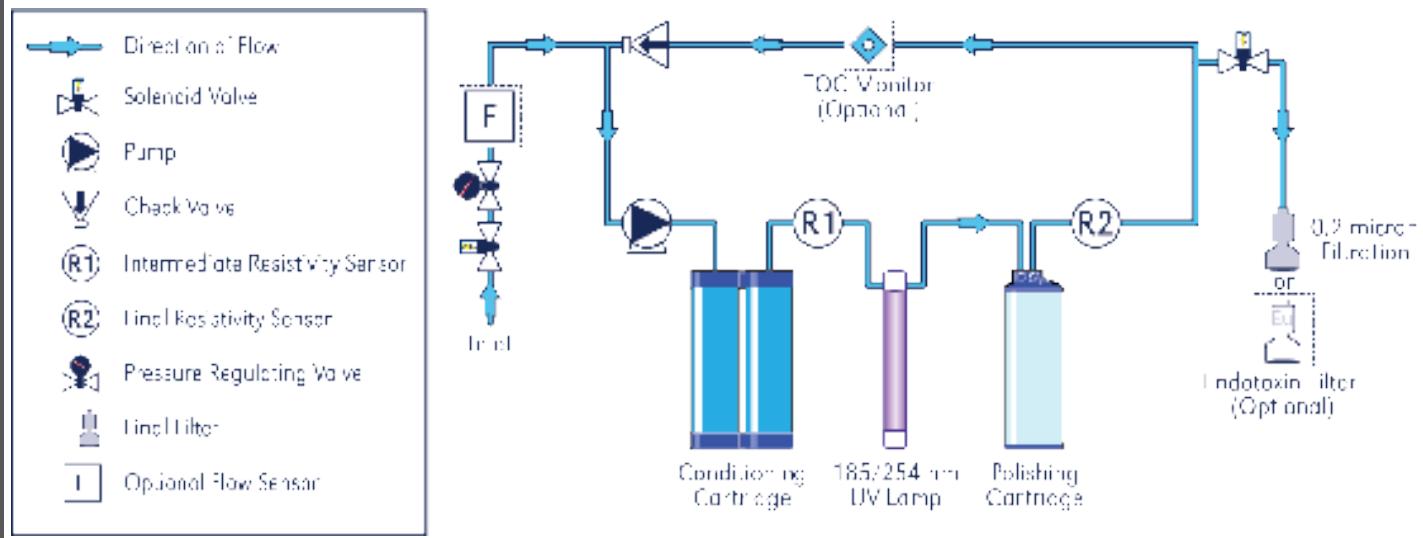
Intuitive Touch Screen Controls  
Programmable Volume Dispense  
Real-time Quality Monitoring & Alerts

Quick Change Cartridge Design

Large Capacity Cartridges filled  
with Premium ResinTech Media



## Flow Diagram



### Additional System Components

Product code	Description
<b>Installed Options and Accessories*</b>	
ARI-PHADF	Direct Feed Port
ARI-PHADG	Recirculating Dispensing Gun
ARI-PHAWB	Wall Mount Bracket
<b>Cartridges and Filters**</b>	
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
<b>Consumables</b>	
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