

# Water Purifier - Auto Pure Type 1 Water

For most Life Sciences: Ultrapure, Biological



**Benchtop**      **WB301UFB: 120V / WB311UFB: 220V**  
**Remote Dispense**   **WB301UFR: 120V / WB311UFR: 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 pyrogen removal ultrafiltration. As water exits the system, a final filter removes particulates and bacteria to reach Type I water specifications.



### ■ WB Series Configuration

- Conditioning cartridge
- Polishing cartridge
- Ultrafiltration
- 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

- Life Science
- Cell Culture
- Microbiology

### ■ Specifications

Model	WB301UFB/WB311UFB	WB301UFR/WB311UFR
Type	Benchtop	Remote dispense
Resistivity*	18.2 MΩ-cm	
Bacteria*	< 1 cfu/ml	
Endotoxin**	< 0.005 EU/m	
Particulates*	< 0.05 µm filtration	
TOC*	< 15 ppb	
RNase*	< 0.01 ng/ml	
Dnase*	< 4 pg/µl	
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	

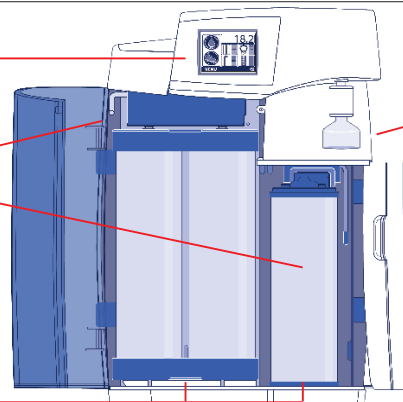
*\* Performance based upon RO / DI or Distillation Feed (< 20 uS/cm, < 50 ppb of TOC, 0.2 micron filtration) \*\* Includes Endotoxin Removal Capsule Filter*

### System Highlights

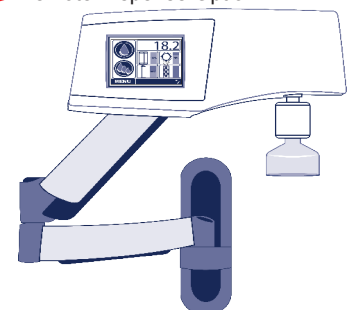
Intuitive Touch Screen Controls  
 Programmable Volume Dispense  
 Real-time Quality Monitoring & Alerts

Quick Change Cartridge Design

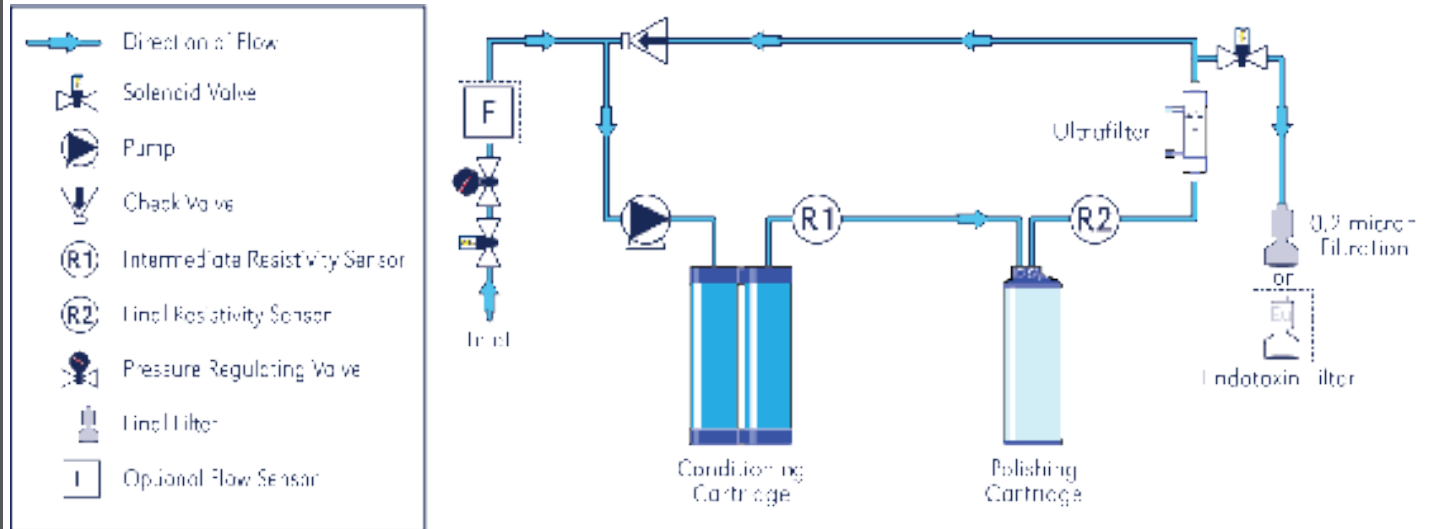
Large Capacity Cartridges filled with Premium ResinTech Media



Remote Dispense Option



## Flow Diagram



### Additional System Components

Product code	Description
<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-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

