

Water Purifier - Auto Pure **Type 1 Water**

For Genetics, DNA Sequencing, Polymerase Chain Reaction (PCR)



Benchtop **WG301UVUFB: 120V / WG311UVUFB: 220V**
Remote Dispense **WG301UVUFR: 120V / WG311UVUFR: 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, ultraviolet light for bacteria sterilization and TOC reduction, and ultrafiltration for pyrogen removal and nuclease free water. As water exits the system, a final filter removes particulates and bacteria to reach Type I water specifications.



WG Series Configuration

- Conditioning cartridge
- Polishing cartridge
- UV oxidation
- 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

Specifications

Model	WG301UVUFB/WG311UVUFB	WG301UVUFR/WG311UVUFR
Type	Benchtop	Remote dispense
Resistivity*	18.2 MΩ-cm	
Bacteria*	< 1 cfu/ml	
Endotoxin**	<0.005 EU/m	
Particulates*	< 0.05 µm filtration	
TOC*	< 5 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	

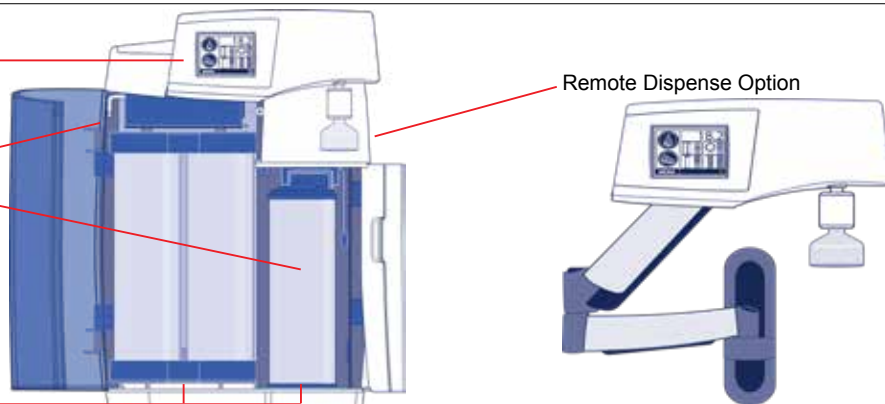
* Performance based upon RO / DI or Distillation Feed (< 20 uS/cm, < 50 ppb of TOC, 0.2 micron filtration) ** Includes Endotoxin Removal Capsule Filter

System Highlights

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

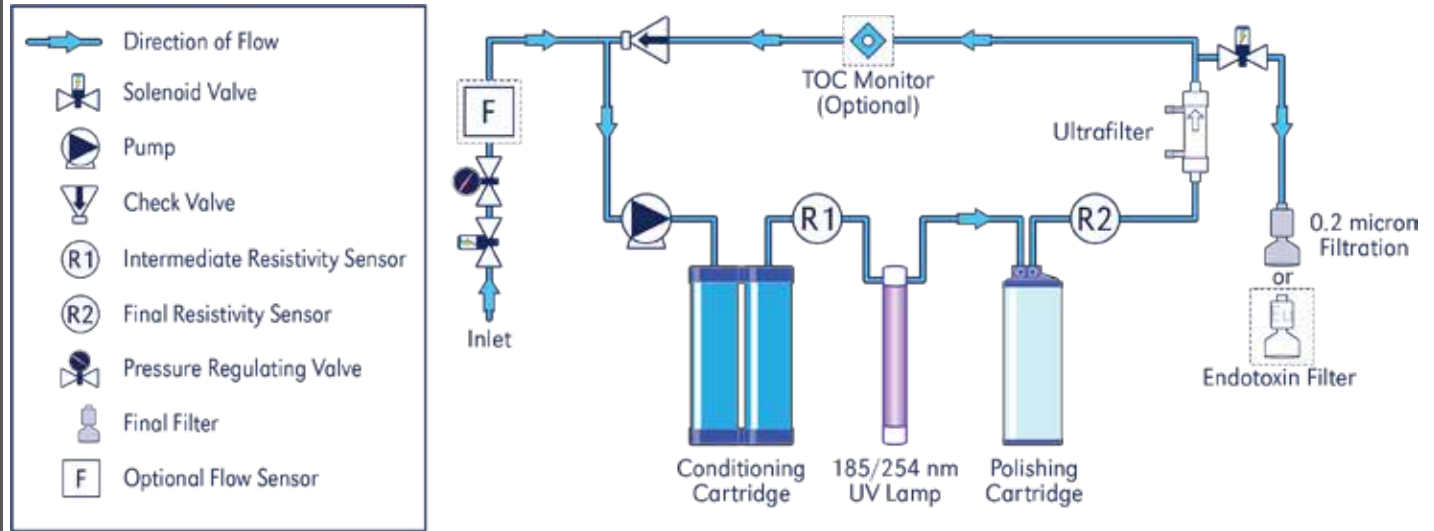
Quick Change Cartridge Design

Large Capacity Cartridges filled with Premium ResinTech Media



Remote Dispense Option

Flow Diagram



Additional System Components

Product code	Description
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

Other WG Series Configuration (includes TOC Monitor)

Product code and Description
WG301UVUFTB Benchtop - with UV, UF and TOC Monitor installed, 120V/60Hz
WG311UVUFTB Benchtop - with UV, UF and TOC Monitor installed, 220V/50Hz
WG301UVUFTR Remote Dispense Configuration - with UV, UF and TOC Monitor installed, 120V/60Hz
WG311UVUFTR Remote Dispense Configuration - with UV, UF and TOC Monitor installed, 220V/50Hz

Best Value in Replacement Consumables

