

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

For Genetics Testing and more: **Ultrapure, Biological, Low TOC**



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

Applications

- Genetics
- DNE Sequencing
- Polymerase Chain Reaction (PCR)

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 | |

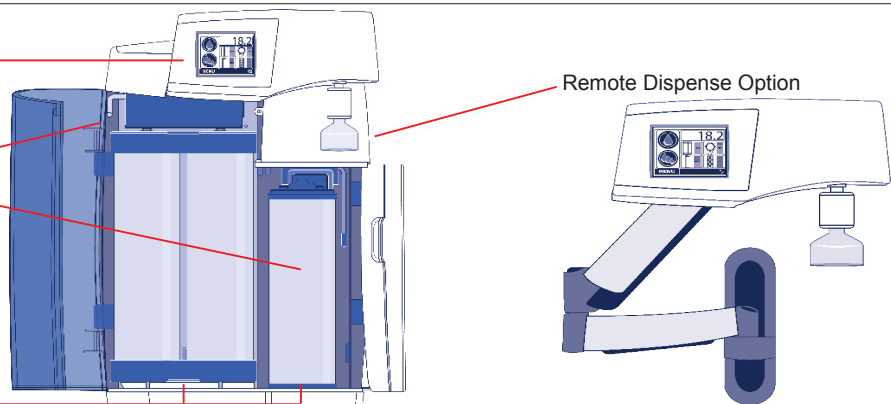
* Performance based upon RO / DI or Distillation Feed (< 20 uS/cm, < 50 ppb of TOC, 0.2 micron filtration) ** Includes Endotoxin Removal Capsule Filter

System Highlights

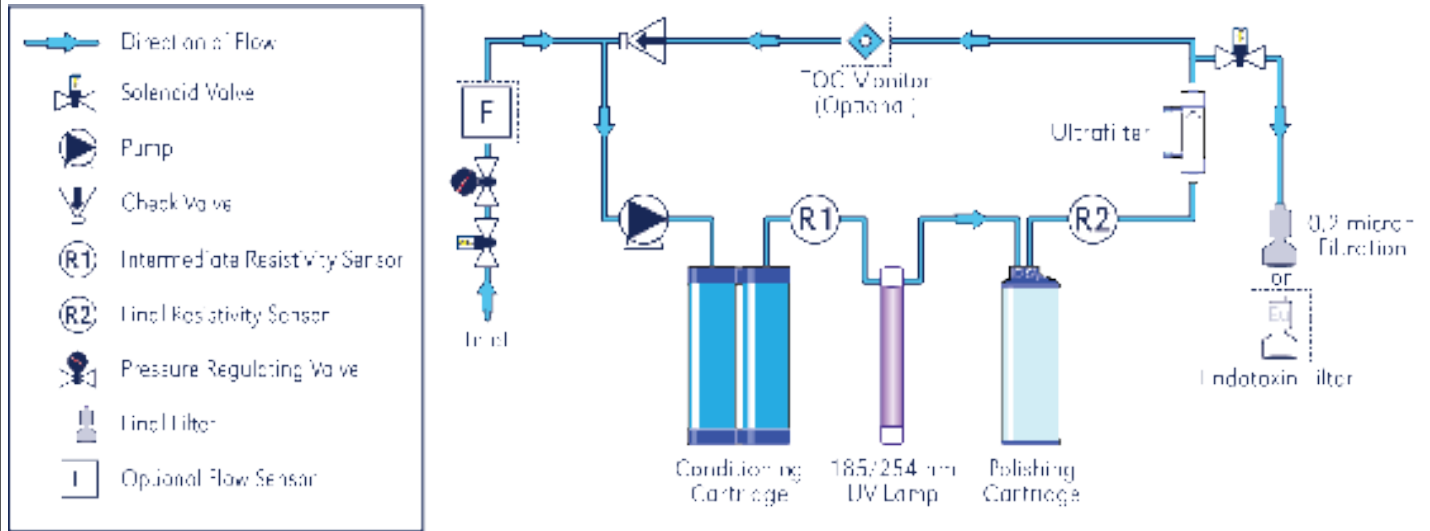
Intuitive Touch Screen Controls
 Programmable Volume Dispense
 Real-time Quality Monitoring & Alerts

Quick Change Cartridge Design

Large Capacity Cartridges filled with Premium ResinTech Media



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

