

| PART # | PHOENIX GENOME TYPE I WATER SYSTEM |
|------------|------------------------------------------------------------------|
| PHX-CT-S-1 | Benchtop - with UV Oxidation Lamp installed, 120V/60Hz |
| PHX-CT-R-1 | Remote Dispense Configuration - with UV Oxidation Lamp, 120/60Hz |
| PHX-CT-S-2 | Benchtop - with UV Oxidation Lamp installed, 220V/50Hz |
| PHX-CT-R-2 | Remote Dispense Configuration - with UV Oxidation Lamp, 220/60Hz |

| PART # | ACCESSORIES |
|---------|------------------------------|
| PHA-FM | Flow Totalizer Meter |
| PHA-DF | Direct Feed Port |
| PHA-DG | Recirculating Dispensing Gun |
| PHA-WB | Wall Mount Bracket |
| PHA-TOC | TOC Monitor |

| PART # | CARTRIDGES & FILTERS |
|------------|--------------------------------------------------------------------------|
| PX-13-5001 | Dual Conditioning Cartridge (RO Feed) |
| PX-13-5002 | Dual Conditioning Cartridge (SDI / TAP Feed) |
| PX-11-5103 | Polishing Ultrapure Cartridge |
| PX-11-5104 | Polishing Ultrapure Low Organics Cartridge |
| PF-00-6402 | 0.2 Micron Capsule Filter - 1/4" MNPT x 1/4" hose barb |
| PF-00-7101 | 0.2 Micron Endotoxin Removal Capsule Filter - 1/4" MNPT x 1/4" hose barb |

| PART # | OTHER CONSUMABLES |
|---------|-----------------------------------------------------------------|
| HPA-016 | UV Bulb 254/185nm TOC Destruct |
| HPA-017 | Sanitization Kit (includes cartridges, test strips, and gloves) |

NOTE: Conditioning cartridge, polishing cartridge and final filters are sold separately.

SYSTEM SPECIFICATIONS

Dimensions (H x W x D)

| | | |
|---------|----------|----------|
| Height: | 21.6 in. | (54.8cm) |
| Weight: | 14.7 in. | (37.0cm) |
| Depth: | 14.4 in. | (36.5cm) |

Weight

| | | |
|-----------|---------|-----------|
| Dry | 42 lbs. | (22.7 kg) |
| Operating | 47 lbs. | (25.0 kg) |

Inlet Connection

| | | |
|-------------|------|-----------|
| O.D. Tubing | 3/8" | (9.53 mm) |
|-------------|------|-----------|

Power Requirements

120 VAC/ 60 Hz @ 1.0 amp

Pressure

20 PSIG min. — 90 PSIG max.

Max Temperature 100°F (30°C)

Flow Rate (Typical)

2.5 LPM (0.67 GPM)
<2.0 LPM with Endotoxin filter installed

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PHOENIX CITATION

Type I, Ultra-High Purity Water for Trace Organics



Ultra High-Purity Lab Water with UV Oxidation Technology for use with:

High Performance Liquid Chromatography (HPLC)

Gas Chromatography Mass Spectrometry (GC/MS)

Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

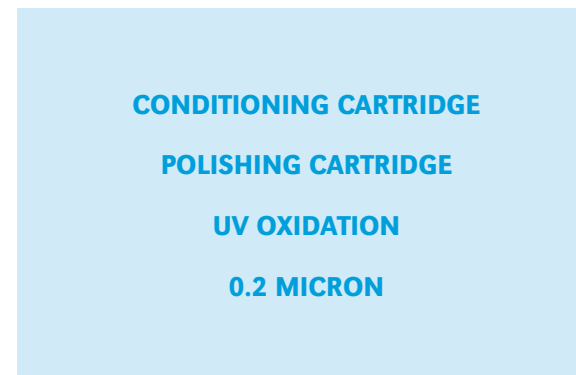
Analytic Chemistry / Trace Organics

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THE PHOENIX CITATION SYSTEM

Designed specifically for trace organics and analytic chemistry applications requiring low organics and bacteria, the Phoenix Citation delivers **2.5 LPM of Type I, 18.2 Megohm water quality on demand**. The 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 the water exits the system, a final filter removes particulates and bacteria to reach Type I water specifications.

The Phoenix Citation uses a dual wave length technology to reduce organics and sterilize bacteria at the same time. Certain applications like HPLC and LC, require ultrapure water with TOC levels less than 5 ppb. The water is typically used in the preparation of mobile phase preparation, creating blanks, and sample dilution. For trace metals analysis, ICP-OES / ICP-MS require the organic and ionic purity for their dilution and dissolution processes.

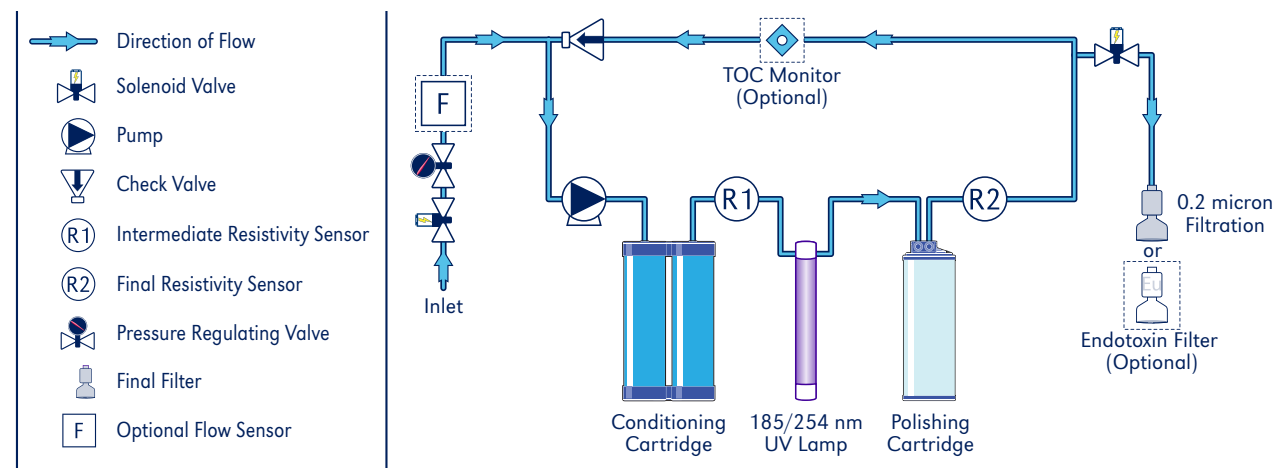


Performance Specifications

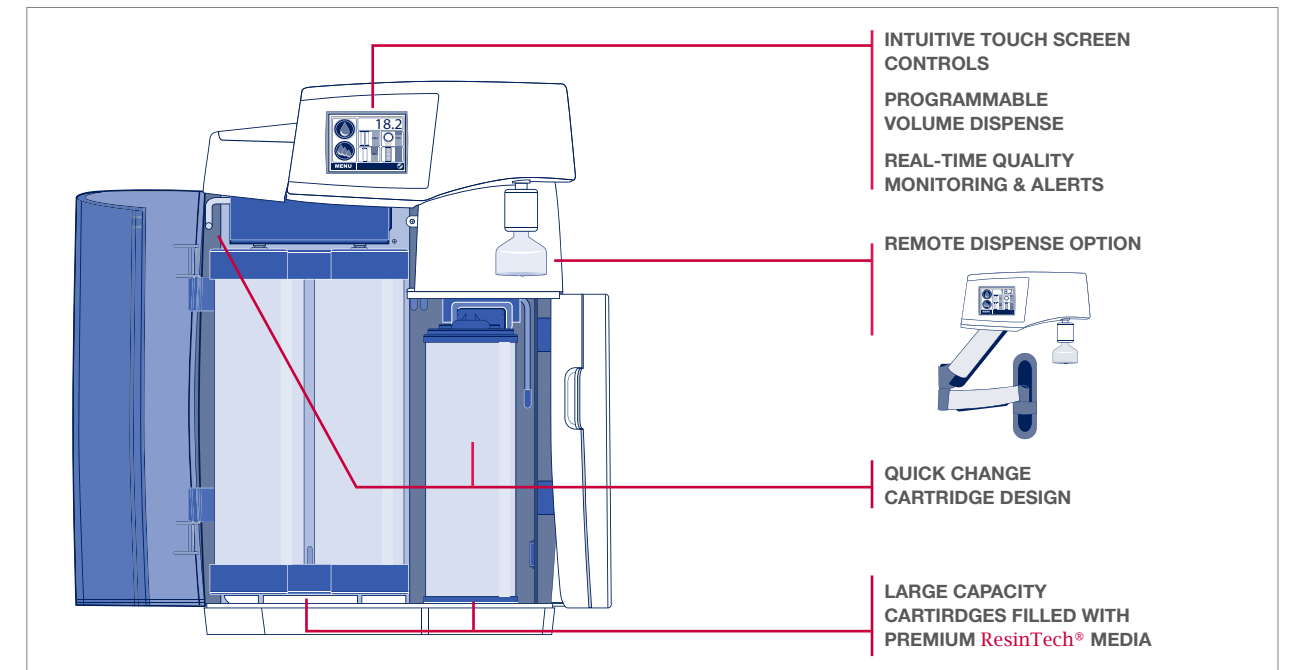
| | |
|---------------------|---------------------|
| Resistivity | 18.2 MΩ-cm |
| Bacteria | < 1 cfu/ml |
| Particulates | < 0.2 μm filtration |
| TOC | < 5 ppb |

*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 FLOW



SYSTEM HIGHLIGHTS



THE BEST VALUE IN REPLACEMENT CONSUMABLES

