

PHOENIX ACADEMY

TYPE I ULTRAURE POU WATER SYSTEM

BASIC CHEMISTRY
ACADEMIA
IC BUFFERS

Designed for general laboratory applications, the Phoenix Academy delivers 2.5 LPM of Type I, 18.2 Megohm water quality on demand. The water is purified using a multi-stage purification process. In the two-step deionization stage, source water passes through high-purity ion exchange resins to remove dissolved minerals. A subsequent stage uses a 0.2 micron filter to remove particulates and bacteria before dispensing. The result is water that meets universally recognized Type I specifications.



HIGHLIGHTS

- 2.5 Lpm Of 18 Megohm 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 Consumables Cartridges
- Genuine Resintech Media

CONFIGURATIONS

- Conditioning Cartridge
- Polishing Cartridge
- 0.2 Micron Filtration

PERFORMANCE SPECIFICATIONS

- Max Pressure of 90 PSIG Max. / 20 PSIG Min.
- Max Temperature of 100°F (30°C)
- Resistivity of 18.2 Megohms
- Bacteria Removal of < 1 CFU / mL
- Service Flow of 100°F (30°C)

CONFIGURATION	SYSTEM VOLTAGE	TOTAL ORGANIC CARBONS	PART NUMBER
Benchtop	120V/60Hz	< 10 ppb	PHX-AD-S-1
Benchtop	220V/50Hz	< 10 ppb	PHX-AD-S-2
Remote Dispense	120V/60Hz	< 10 ppb	PHX-AD-R-1
Remote Dispense	220V/50Hz	< 10 ppb	PHX-AD-R-2

INSTALLED OPTIONS & ACCESSORIES†

DESCRIPTION	PART NUMBER
Direct Feed Port	PHA-DF
Recirculating Dispensing Gun	PHA-DG
Phoenix Wall Mount Bracket	PHA-WB

† Options must be preordered for factory installation

CARTRIDGES & FILTERS††

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

†† Cartridges and Filters are not included in a system and are ordered separately

CONSUMABLES

DESCRIPTION	PART NUMBER
Phoenix Ultrafilter - 3/8" Quick Disconnect Fitting	PF-00-7105
Phoenix UV Bulb 254/185nm TOC Destruct	HPA-016
Sanitization Kit (includes cartridges, test strips, and gloves)	HPA-017

Revision 1.0

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PHOENIX BIOCHEM

TYPE I ULTRAURE POU WATER SYSTEM

LIFE SCIENCE
CELL CULTURE
MICROBIOLOGY

Designed specifically for life science applications requiring low bacteria and endotoxin, the Phoenix Biochem delivers 2.0 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 pyrogen removal ultrafiltration. As the water exits the system, a final filter removes particulates and bacteria to reach Type I water specifications.



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- Quick Change, No Tools Cartridge Design
- Large Capacity, Low Cost Consumables Cartridges
- Genuine Resintech Media

CONFIGURATIONS

- Conditioning Cartridge
- Polishing Cartridge
- Ultrafiltration
- 0.2 Micron Filtration

PERFORMANCE SPECIFICATIONS

- Endotoxin levels below < 0.03 EU/mL
- RNase Removal < 0.01 ng/ml
- DNase < 4 pg/μl
- Max Pressure of 90 PSIG Max. / 20 PSIG Min.
- Max Temperature of 100°F (30°C)
- Resistivity of 18.2 Megohms
- Bacteria Removal of < 1 CFU / mL
- Particulates at < 0.05 μm filtration

CONFIGURATION	SYSTEM VOLTAGE	TOTAL ORGANIC CARBONS	PART NUMBER
Benchtop	120V/60Hz	< 10 ppb	PHX-BC-S-1
Benchtop	220V/50Hz	< 10 ppb	PHX-BC-S-2
Remote Dispense	120V/60Hz	< 10 ppb	PHX-BC-R-1
Remote Dispense	220V/50Hz	< 10 ppb	PHX-BC-R-2

INSTALLED OPTIONS & ACCESSORIES†

DESCRIPTION	PART NUMBER
Direct Feed Port	PHA-DF
Recirculating Dispensing Gun	PHA-DG
Phoenix Wall Mount Bracket	PHA-WB

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CARTRIDGES & FILTERS††

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

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CONSUMABLES

DESCRIPTION	PART NUMBER
Phoenix Ultrafilter - 3/8" Quick Disconnect Fitting	PF-00-7105
Phoenix UV Bulb 254/185nm TOC Destruct	HPA-016
Sanitization Kit (includes cartridges, test strips, and gloves)	HPA-017

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PHOENIX CITATION

TYPE I ULTRAURE POU WATER SYSTEM

HPLC
GC/MS
TRACE ORGANICS

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.



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- Quick Change, No Tools Cartridge Design
- Large Capacity, Low Cost Consumables Cartridges
- Genuine Resintech Media

CONFIGURATIONS

- Conditioning Cartridge
- Polishing Cartridge
- UV Oxidation
- 0.2 Micron Filtration

PERFORMANCE SPECIFICATIONS

- Max Pressure of 90 PSIG Max. / 20 PSIG Min.
- Max Temperature of 100°F (30°C)
- Resistivity of 18.2 Megohms
- Bacteria Removal of < 1 CFU / mL
- Particulates at < 0.02 µm filtration

CONFIGURATION	SYSTEM VOLTAGE	TOTAL ORGANIC CARBONS	PART NUMBER
Benchtop	120V/60Hz	< 5 ppb	PHX-CT-S-1
Benchtop	220V/50Hz	< 5 ppb	PHX-CT-S-2
Remote Dispense	120V/60Hz	< 5 ppb	PHX-CT-R-1
Remote Dispense	220V/50Hz	< 5 ppb	PHX-CT-R-2

INSTALLED OPTIONS & ACCESSORIES†

DESCRIPTION	PART NUMBER
Direct Feed Port	PHA-DF
Recirculating Dispensing Gun	PHA-DG
Phoenix Wall Mount Bracket	PHA-WB

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CONSUMABLES

DESCRIPTION	PART NUMBER
Phoenix Ultrafilter - 3/8" Quick Disconnect Fitting	PF-00-7105
Phoenix UV Bulb 254/185nm TOC Destruct	HPA-016
Sanitization Kit (includes cartridges, test strips, and gloves)	HPA-017

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PHOENIX GENOME

HYDRA SERIES, TYPE I ULTRAURE POU WATER SYSTEM

DNA SEQUENCING
PCR
ELECTROPHORESIS

Designed specifically for genetics applications, the Phoenix Genome delivers 2.0 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, ultraviolet light for bacteria sterilization and TOC reduction, and ultrafiltration for pyrogen removal and nuclease free water. As the water exits the system, a final filter removes particulates and bacteria to reach Type I water specifications.



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CONFIGURATIONS

- Conditioning Cartridge
- Polishing Cartridge
- Ultrafiltration
- UV Oxidation
- 0.2 Micron Filtration

PERFORMANCE SPECIFICATIONS

- Endotoxin levels below < 0.005 EU / mL, <0.001 EU/mL with Endotoxin Final Filter
- RNase Removal < 0.01 ng/ml
- DNase < 4 pg/μl
- Max Pressure of 90 PSIG Max. / 20 PSIG Min.
- Max Temperature of 100°F (30°C)
- Resistivity of 18.2 Megohms
- Bacteria Removal of < 1 CFU / mL
- Particulates at < 0.05 μm filtration

CONFIGURATION	SYSTEM VOLTAGE	TOTAL ORGANIC CARBONS	PART NUMBER
Benchtop	120V/60Hz	< 5 ppb	PHX-GN-S-1
Benchtop	220V/50Hz	< 5 ppb	PHX-GN-S-2
Remote Dispense	120V/60Hz	< 5 ppb	PHX-GN-R-1
Remote Dispense	220V/50Hz	< 5 ppb	PHX-GN-R-2

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Direct Feed Port	PHA-DF
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CONSUMABLES

DESCRIPTION	PART NUMBER
Phoenix Ultrafilter - 3/8" Quick Disconnect Fitting	PF-00-7105
Phoenix UV Bulb 254/185nm TOC Destruct	HPA-016
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