



GEMINI

ULTRA HIGH-PURITY WATER SYSTEM

SYSTEM OVERVIEW

The GEMINI Ultra High Purity Water System provides up to 3.7 liters per minute of 18.2 megohm, 0.2 micron filtered water. The Multi-Pass Ultraviolet system irradiates the water at three separate passes in the recirculation loop. The dispensing port is continuously exposed to UV for complete sterility at the outlet. Water quality meets or exceeds ASTM, CAP and NCCLS Type 1 specifications.

Volumetric dispensing is controlled by the microprocessor and easily operated using the soft touch keypad. Water quality is continuously monitored on the digital display and LED's alert the user to system status. Hibernation mode runs the pump intermittently to keep the system ultrapure.

The integral basin accommodates filling large containers and controls drips and spills. A variety of options are available such as a dispensing gun, ultra-filtration, wall mounting hardware and a sanitization kit. RO pretreatment systems are also available.

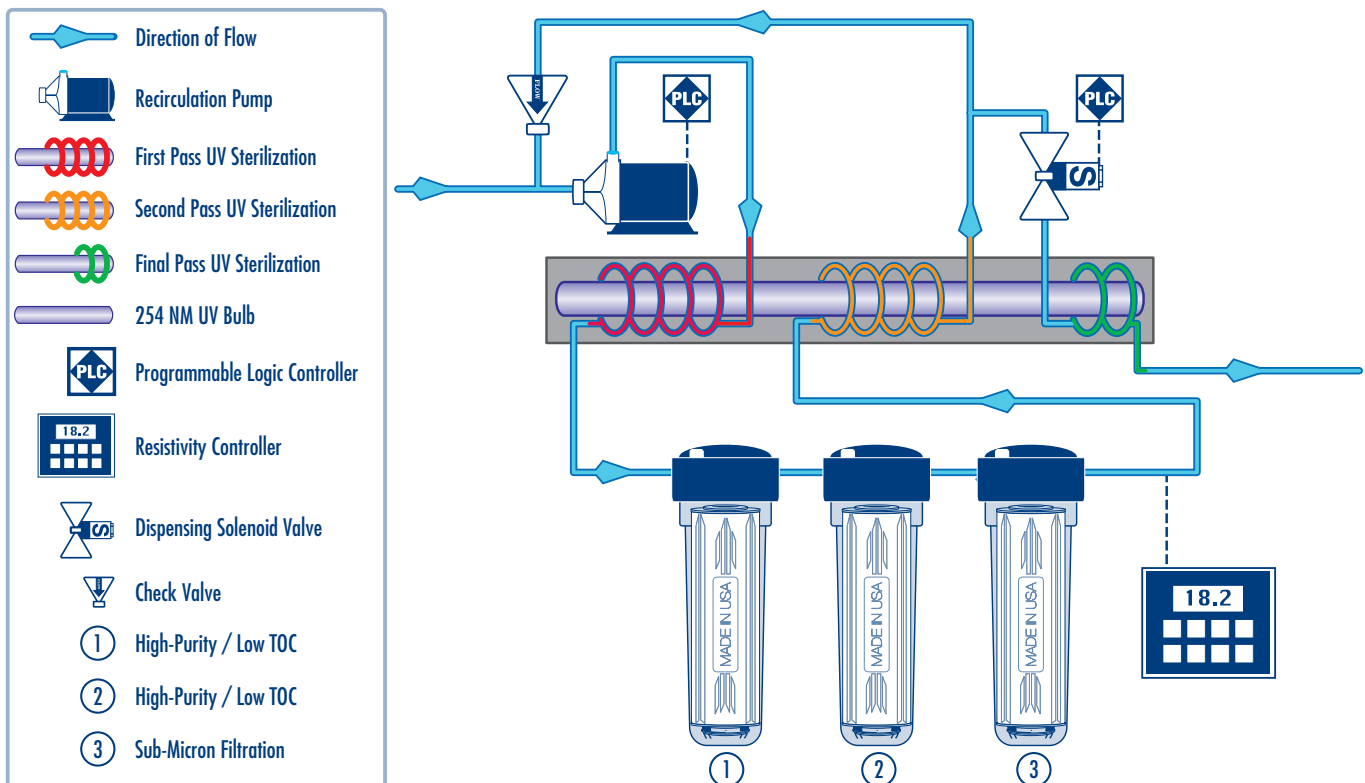
FEATURES & BENEFITS

- 18.2 Megohms
- Up to 3.7 liters per minute
- Integral, full flow 0.2 micron filter
- Multi-Pass UV standard
- UV protected dispensing port
- Microprocessor controlled
- Built in drain basin
- Easy cartridge replacement
- Exceeds ASTM, CAP and NCCLS Type I specifications.
- Meets Bio-Medical Grade Specification ASTM D5196



- Sterile Dispensing Port
- 18.2 Megohms
- Highest Flow Rate

FLOW DIAGRAM



A DIVISION OF RESINTECH, INC.

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GEMINI ULTRA HIGH-PURITY LOOP

TECHNICAL DATA



Dimensions (H x W x D)	21.5 in. x 18.25 in. x 18.25 in. (61 cm x 46 cm x 47 cm)
Weight	50 lbs dry / 55 lbs operating (22.7 kg dry / 25 lbs operating)
Connections	3/8" O.D. Tube
Power Requirements	120 VAC/ 60 Hz @ 1.0 amp
Pressure (Max./Min.)	90 psig/20 psig
Temperature (Max.)	100 F
Flow Rate	3.7 liters per minute (1.0 GPM)

INFLUENT QUALITY

Source	Reverse Osmosis, DI, or Distillation
Purity	< 20 uS/cm
Filtration	0.2 micron
Free Chlorine	< 0.05 ppm
Silica	< 2 ppm
TOC	< 50 ppb

ORDERING GUIDE

GEMINI-1102	110 VAC Unit w/ (2) High Purity Low TOC & 0.2 u Filter
GEMINI-2202	220 VAC Unit w/ (2) High Purity Low TOC & 0.2 u Filter
GEMINI-1101	110 VAC Unit w/ (2) High Purity Low TOC & 0.1 u Filter
GEMINI-110U	110 VAC Unit w/ (3) High Purity Low TOC, 0.05 u In-Line Filter

EFFLUENT QUALITY

Standard System-

Purity	> 18 Megohm- cm
Microorganisms	< 10 CFU / 1000
Chlorides	< 1 ppb
Sodium	< 1 ppb

With 0.05 micron UF-

Endotoxin	< 0.03 EU
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With Combination UV / TOC Destruct-

TOC	< 3 ppb
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OPTIONS & ACCESSORIES

HPA-001	Dispensing Gun and tubing kit
HPA-002	U.V. Combination for bacteria and TOC destruct
HPA-006	Wall Mounting Bracket
AFK-006	Cartridge Kit with (2) High Purity and 0.2 micron cartridges
AFK-007	Cartridge Kit with (2) High Purity and 0.1 micron cartridges
AFK-008	Cartridge Kit with (3) High Purity Low TOC Cartridges and (1) 0.05 µ ultrafilter
AFK-009	Cartridge Kit with (3) High Purity Low TOC Cartridges
PF-00-6505	In-Line Hollow Fiber 0.05 micron UF for pyro- gen removal
HPA-005	Sanitization Kit
HPL-RO	Reverse Osmosis Pretreatment

*Note: Ordering information subject to change without notice. Please verify all specifications prior to ordering.
For more information Call: (856) 768-9600.*

MANUFACTURED IN THE USA.

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