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.

Controls include PLC and a 3.5” high resolution HMI display. Touch panel screen provides easy interface for dispensing and programming up to four batches. Resistivity is clearly displayed with system operation status. Display turns red during alarm condition below resistivity set point. 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
- High Resolution Touch Screen
- Microprocessor controlled
- Built in drain basin
- Easy cartridge replacement
- Exceeds ASTM, CAP and NCCLS Type 1 specifications.
- Meets Bio-Medical Grade Specification ASTM D5196

**Flow Diagram**

- Sterile Dispensing Port
- 18.2 Megohms
- Highest Flow Rate
### 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 kg 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)

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### Influent Quality

- **Source**: Reverse Osmosis, DI, or Distillation
- **Purity**: < 20 µS/cm
- **Filtration**: 0.2 µm
- **Free Chlorine**: < 0.05 ppm
- **Silica**: < 2 ppm
- **TOC**: < 50 ppb

### Effluent Quality (Standard System)

- **Standard System**
  - **Purity**: > 18 Megohm- cm
  - **Microorganisms**: < 10 CFU / 1000 ml
  - **Chlorides**: < 1 ppb
  - **Sodium**: < 1 ppb
  - **Endotoxin**: < 0.03 EU
  - **TOC**: < 3 ppb

### Ordering Guide

- **GMS-102**: 110 VAC Unit w/ 0.2 µ Filter
- **GMS-105**: 110 VAC Unit w/ 0.05 µm In-Line Filter

### Options & Accessories

- **GMA-DG**: Dispensing gun and tubing kit
- **GMA-UV**: U.V. Combination for bacteria and TOC destruct
- **GMA-DF**: Direct feed
- **GMA-WB**: Wall mounting bracket
- **AFK-002**: Cartridge Kit w/ (2) high purity cartridges
- **AFK-006**: Cartridge Kit with (2) High purity and 0.2 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 pyrogen removal
- **HPA-005**: Sanitization Kit
- **HPA-008**: 220 VAC external power converter
- **HPL-RO**: Reverse Osmosis pretreatment

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**Note**: Ordering information subject to change without notice. Please verify all specifications prior to ordering.

For more information Call: (856) 768-9600.

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