

ARIES
 FILTERWORKS


GEMINI SERIES

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.

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 setpoint. Hibernation mode runs the pump intermittently to keep the system ultrapure.

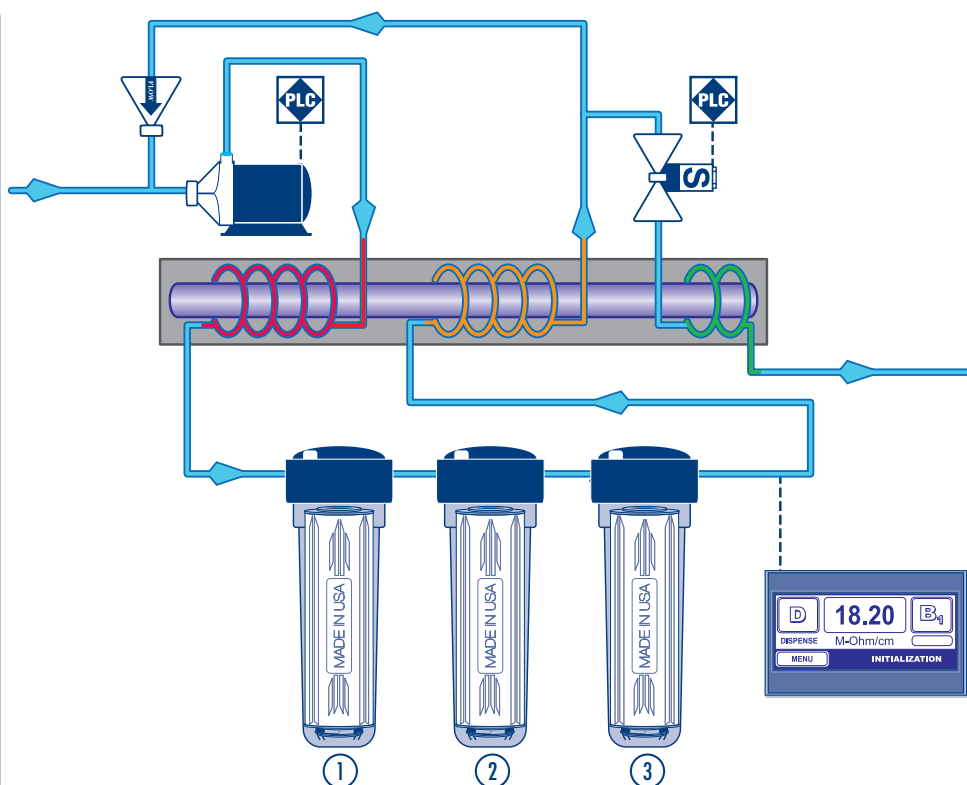
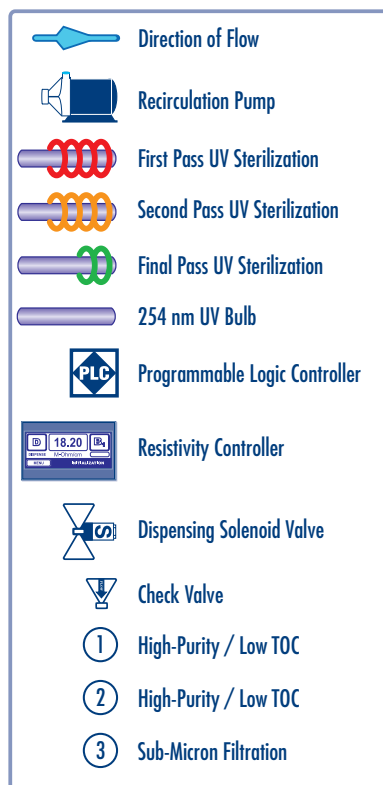
The integral basin accommodates filling large containers and controls drips and spills. A variety of options are available such as a dispensing gun, ultra-filtration, wall mounting hardware and a sanitization kit. RO pretreatment systems are also available.

FEATURES & BENEFITS

- Sterile Dispensing Port
- 18.2 Megohms
- Highest Flow Rate

- 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 I specifications.
- Meets Bio-Medical Grade Specification ASTM D5196

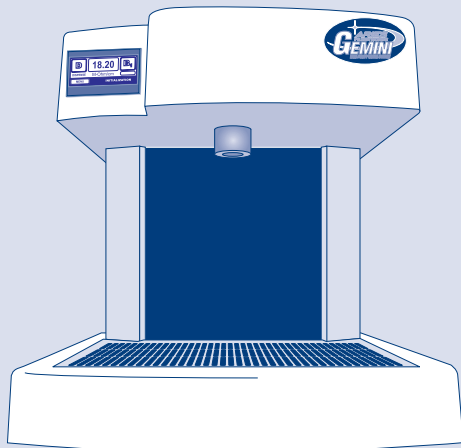
FLOW DIAGRAM



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GEMINI SERIES 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 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)

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
With 0.05 micron UF-	
Endotoxin	< 0.03 EU
With Combination UV / TOC Destruct-	
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

MADE IN USA

PROUD TO BE
ISO 9001 : 2008 CERTIFIED



PERRY JOHNSON
REGISTRARS, INC.

*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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