

Ultra-pure Water Purification system



Special Feature

Water Still
Fully automatic mechanism
2.5ℓ / min distilled water production capacity
All pyrex glass
Quartz heater
Maintenance-free

Housing
Compact moving cabinet
Left and right water supply
Durable powder coated body
Built-in flow meter

Water Storage
Water level meter
Water flow meter
60ℓ capacity water storage

UV Radiation Unit
254 nm germicidal 8 Watt immersion Lamp

Automatic Control Unit
Resistivity monitor : 0 ~ 20MΩ
Water production Control
Water reservoir Control
UV Lamp
Safety System

Ultrafiltration Unit
Sterile 0.2μm final Membrane filter

Filter Housing
Twist-lock filter housing
Patent pending screw & push type cartridge adaptor

Prefiltration Unit
1μm Hi-Clean prefilter
Activated carbon filter
Cation Ion Exchange

Deionization Unit
Carbon cartridge x 1
Ion exchange cartridge x 2

Patent Pending (특허제 0162749호)

Feature

- ❑ 18.3 MΩ Reagent Grade Ultra Pure Water Purification System
- ❑ Maximum 2.5ℓ / min Production Capacity
- ❑ 60ℓ Water Storage Reservoir
- ❑ Completely Automatic Water Production Mechanism
- ❑ Germicidal 8 watt UV Radiation Immersion Lamp
- ❑ Soft Water System Prevent Scale in the Water Pathways

MODEL	GSDI-3007	
Dimensions (W x D x H mm)	900 x 530 x 1345	
Capacity	Distillate	6.0ℓ / hour
	Deionization	1.0ℓ / hour
Heater	High Quality Quartz Sheated Heater, 4.4kW	
Pump	Pump 1	Distilled Water + Lamp Switch 1
	Pump 2	Deionized Water + Lamp Switch 2
Water Flow Schematic	Tap Water	⇒ Prefiltration
	Distillation	⇒ UV Radiation
	Deionization	⇒ Final Filtration
Water Quality	Distilled Water : 3.5MΩ Ultrapure Water : 18.3MΩ	
UV Radiation	254nm Germicidal 8 watt UV Lamp	
Operation Mechanism	Complete Automatic System	
Ultra filtration System	Organic Free Activated Carbon x1	
	Mixed Bed Ion Exchange x2	
	0.2μm Membrane Final Filter x1 (Option)	
Max. Inlet Pressure	3.5kg/cm ²	
Electric Supply	220V 50/60Hz, 20 Amp	

Application

- ▶ Reagent Water for HPLC, ICP, AA, Spectroscopy
- ▶ Tissue & Cell Culture
- ▶ Electrophoresis, Biotechnology
- ▶ Enzymology
- ▶ Semiconductor Manufacturing
- ▶ Washing Water for Precision Parts
- ▶ BOD Reagent Water

UltraPure Water Quality

- | | |
|-------------------------|-------------------|
| ▶ Pyrogen Free | Bioresearch Grade |
| ▶ Resistivity | > 18.3MΩ - cm |
| ▶ TOC | < 5 - 10 ppb |
| ▶ Total Dissolved Solid | < 5 - 10 ppb |
| ▶ Heavy Metals | < 0.1 - 1 ppb |
| ▶ Silicates | < 5 - 10 ppb |
| ▶ Particle Removal | > 0.2 μm |