Super-Genie Water Stations

Centralized workstations with daily pure water production up to 7000 L from tap feed water

The Super-Genie series is an intelligent combination of thorough understanding of diverse laboratory applications together with decades of hands-on expertise in the most advanced water purification technologies. The systems are specifically designed to produce large volumes of RO, Type II pure water or ultrapure water directly from tap water. The Super-Genie purification system is created to serve as a core workstation generating purified water for a single lab facility or several labs, providing overall control and monitoring within the whole water purification network thus to ensure reliability from the very beginning.

Quality of product water meets or exceeds standards as defined by ASTM, CAP, CLSI, ISO 3696 / BS 3997, European and U.S. Pharmacopoeia.

Features

- Pure or ultrapure water dispensing from dispensers
- Integrated control of water purification, storage, distribution as well as all other functions
- Built-in pretreatment pack including prefiltration, chlorine removal and anti-scaling media
- Optimized RO-reject water recovery loop to maximize water efficiency
- Leak protector incorporated inside to shut down the water flow should a leak occur
- Integrated 100 L reservoir, upgradable for appropriate volume needs
- Emergency bypass loop for maximum operation reliability
- Display in multiple languages

One solution for all !

Four types of water purification systems in Super-Genie series based on your application needs:

Super-Genie G

- Produces Type I ultrapure and Type II analytical grade pure water from tap water directly
- Type II water production rates range from 30 to 250 L/h, Type I water dispensing rate up to 5 L/min
- Incorporates the best in class IonPure EDI module

Super-Genie U

- Produces Type I ultrapure and reverse osmosis (RO) laboratory grade water from tap water directly
- RO water production rates range from 50 to 300 L/h, Type I water dispensing rate up to 5 L/min

Super-Genie E

- Produce Type II water from tap water directly
- Production rates range from 30 to 250 L/h, dispensing rate up to 5 L/min
- Incorporates the best in class IonPure EDI module

Super-Genie R

- Produces reverse osmosis (RO) laboratory grade water from tap water directly
- RO water production rates range from 50 to 300 L/h, dispensing rate up to 5 L/min

Specifications

	Super-Genie G	Super-Genie U	Super-Genie E	Super-Genie R
Feed Water Requirements				
Tap water	**M**unicipal water, TDS < 1000 ppm (2000 µS/cm). **O**perating temperature: 5 - 45 ℃ . **F**eed water pressure: 30 - 90 psi (2 - 6 bar)			
Water Production				
Water produced	Type II & ultrapure water	RO & ultrapure water	Type II water	RO water
Water production rate (@25℃)	Type II: 30/60/125/250 L/hr	RO water: 50/150/300 L/hr	Type II: 30/60/125/250 L/hr	RO water: 50/150/300 L/hr
Dispensing rate (@25℃)	Up to 5 L/min	Up to 5 L/min	Up to 5 L/min	Up to 5 L/min
Pure water resistivity (@25℃)	> 5 MΩ·cm (typically 10 - 15 MΩ·cm)	typically > 0.05 MΩ·cm (< 20 µS/cm)	> 5 MΩ·cm (typically 10 - 15 MΩ·cm)	typically > 0.05 MΩ·cm (< 20 µS/cm)
Pure water TOC*	< 30 ppb	-	< 30 ppb	-
Ultrapure water resistivity (@25℃)	18.2 MΩ·cm	18.2 MΩ·cm	-	-
Ultrapure water TOC*	< 5 ppb	< 5 ppb	-	-
Particles in ultrapure water (> 0.2 µm)	< 1/ml **	< 1/ml **	-	-
Microorganisms in ultrapure water	< 0.1 cfu/ml **	< 0.1 cfu/ml **	-	-
Pyrogens (endotoxins) in ultrapure water	< 0.001 Eu/ml ***	< 0.001 Eu/ml ***	-	-
Dimensions				
Length x Depth x Height	with tank: 56 cm × 88 cm × 138 cm (22.0 in × 34.6 in × 54.3 in)		w/o tank: 56 cm × 61 cm × 138 cm (22.0 in × 24.0 in × 54.3 in)	
Weight	< 160 kg	< 140 kg	< 160 kg	< 140 kg
Voltage / Frequency	220 VAC ± 10%, 50 Hz or 60 Hz			
Main system power / Amperage	< 1500 W / < 7 A	< 1000 W / < 5 A	< 1500 W / < 7 A	< 1000 W / < 5 A

* Product water quality may vary due to local feed water conditions. ** with a 0.2 µm or ultrafiltration filter. ***with an ultrafiltration filter.

Main Applications

With Ultrapure Water

- HPLC mobile phase preparation
- Preparation of reagent blank solutions
- As sample diluent for GC, HPLC, AA, ICP-MS and other analytical techniques
- Preparation of buffers and culture media for mammalian cell culture
- Preparation of molecular biology reagents, etc.

With Type II (EDI) Water

- Preparation of chemical and bio-reagents
- Preparation of culture media
- Preparation of solutions for chemical analysis such as HPLC and ICP
- For clinical analyzers
- Medical device and equipment rinsing
- For serum and blood fractionation
- For ophthalmics

With RO Laboratory Grade Water

- Manual cleaning and glassware rinsing
- Buffer preparation
- Glassware washers
- Humidifiers
- Water baths
- Aging tester
- Autoclave
- Laboratory animal feed

Ordering Information

Description	Voltage	Cat. No.
Super-Genie G 30 Water System	220 VAC/50 Hz	RL0G03000
	220 VAC/60 Hz	RL1G03000
Super-Genie G 60 Water System	220 VAC/50 Hz	RL0G06000
	220 VAC/60 Hz	RL1G06000
Super-Genie G 125 Water System	220 VAC/50 Hz	RL0G01H00
	220 VAC/60 Hz	RL1G01H00
Super-Genie G 250 Water System	220 VAC/50 Hz	RL0G02H00
	220 VAC/60 Hz	RL1G02H00
Super-Genie U 50 Water System	220 VAC/50 Hz	RL0P05000
	220 VAC/60 Hz	RL1P05000
Super-Genie U 150 Water System	220 VAC/50 Hz	RL0P01H00
	220 VAC/60 Hz	RL1P01H00
Super-Genie U 300 Water System	220 VAC/50 Hz	RL0P03H00
	220 VAC/60 Hz	RL1P03H00

Description	Voltage	Cat. No.
Super-Genie E 30 Water System	220 VAC/50 Hz	RL0E03000
	220 VAC/60 Hz	RL1E03000
Super-Genie E 60 Water System	220 VAC/50 Hz	RL0E06000
	220 VAC/60 Hz	RL1E06000
Super-Genie E 125 Water System	220 VAC/50 Hz	RL0E01H00
	220 VAC/60 Hz	RL1E01H00
Super-Genie E 250 Water System	220 VAC/50 Hz	RL0E02H00
	220 VAC/60 Hz	RL1E02H00
Super-Genie R 50 Water System	220 VAC/50 Hz	RL0R05000
	220 VAC/60 Hz	RL1R05000
Super-Genie R 150 Water System	220 VAC/50 Hz	RL0R01H00
	220 VAC/60 Hz	RL1R01H00
Super-Genie R 300 Water System	220 VAC/50 Hz	RL0R03H00
	220 VAC/60 Hz	RL1R03H00

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