

Super-QTM Plus

Reagent-Grade Water Purification System

**UP TO 10 LITERS PER MINUTE OF ULTRAPURE WATER
ON DEMAND AT THE POINT-OF-USE**

Ultrapure Quality

The Super-Q Plus System is designed to provide the "final polish" to water which has been pretreated by reverse osmosis, distillation or deionization. Super-Q Plus systems consistently produce up to 12 L/min of ultrapure water quality which exceeds Type 1 ASTM/CAP/NCCLS specifications.

- **TP Cartridges**

Cartridges used in the system are of a thermoplastically welded construction. This avoids the use of glues and solvents which give rise to high T.O.C. (organics) levels in product water.

- **Purification Media**

Millipore uses strict testing regimes to select resins and other purification media. Deionization resin is selected not only for high ion-exchange capacity and rapid rinse-up, but also for low extractables, both in terms of T.O.C. and particulate levels (resin fines).

- **Continuous Development**

Our manufacturing facilities utilize the latest developments in HPLC, Ion Chromatography and T.O.C. analysis to continuously make improvements in materials of construction and manufacturing processes.

- **Automatic Recirculation**

During periods when water is not required, the system can be set on "Standby". The integral pump automatically recirculates the water for 5 minutes every 1 hour 30 minutes to maintain high quality between uses.

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Specifications

Flow Rate: 10-12 L/min; (2.6 to 3.0 gpm)

Product Water Quality:

Resistivity: 18Ω·cm at 25 °C

(built in temperature compensated resistivity meter)

Organics (ppb): < 20 at T.O.C

(With Organex-Q™ TP cartridge and reverse osmosis feed water)

Bacteria (cfu/ml): < 10 (with the Durapore® TP cartridge)

T.D.S. (ppm): < 0.03

Silicates (ppm): < 0.01

Heavy metals (ppm): < 0.01

Feed Water Parameters

Temperature range: 5-40 °C

Pressure: 1 bar max., (15 psi), 0.03 bar min. (0.5 psi)

Operating Pressure: 5 bar max., (75 psi)

Plumbing Connections

Inlet/Outlet: ½" 'Fast+Tite' compression fittings to take ½" rigid tubing

Dimensions

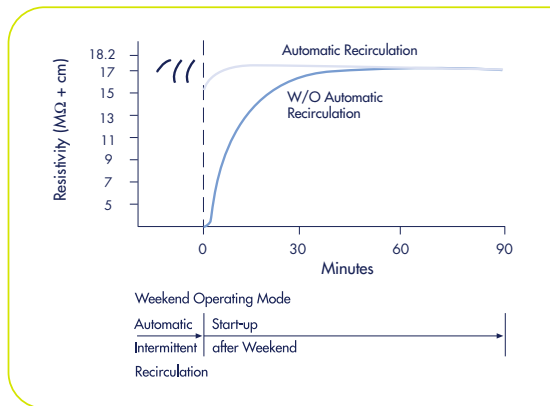
Width: 1150 mm, 45.25 inches

Height: 800 mm, 31.5 inches

Depth (Front-Back): 220 mm, 8.75 inches

Shipping Weight: 30 kg, 66 lbs.

Operating Weight (system filled with water): 63 kg, 140 lbs.



Comparison of resistivity recovery after weekend or overnight.

Applications

The Super-Q Plus systems feature a modular design allowing cartridge selection to meet a variety of high volume Type 1 Ultrapure water applications, such as:

- Microbiological buffer and media preparation
- Reagent preparation
- Distribution loop polishing
- Electronics point-of-use rinsing

Super-Q Plus Systems, Milli-RX™ Systems, and SDS Storage and Distribution Systems are offered as custom-engineered total water system solutions.

To Place an Order or Receive Technical Assistance

In the U.S. and Canada, call 1-800-MILLIPORE (1-800-645-5476).

In the U.S., Canada and Puerto Rico, fax orders toll-free to 1-800-MILLIFX (1-800-645-5439)

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Cartridge Selection Guide

Cartridge	Function
Milligard® TP Cartridge	Prefiltration. High retention membrane filter cartridge removes high particle loads from feed water.
Super-C Cartridge	Organics removal. Activated carbon cartridge for highly efficient removal of organics using unique dry-packed carbon.
Ion-Ex® TP Cartridge	Inorganics removal. Mixed bed nuclear grade ion exchange cartridge for highly efficient removal of inorganic ions.
Organex-Q TP Cartridge	Trace organic removal. Unique mixture of ion-exchanged resins and synthetic activated carbon for removal of trace organics.
Durapore TP Cartridge	Removal of microorganisms and particles above 0.22 µm. Durapore membrane cartridge for the removal of all material larger than pore size of 0.22 µm.

Ordering Information

Description	Voltage	Qty/Pk	Catalogue No.
Super-Q Plus Water Purification (4-bowl, with pump)	120 V/60 Hz	1	ZFSQ 115 P4
	230 V/50 Hz		ZFSQ 240 P4
Super-Q Plus Water Purification (3-bowl, no pump)	120 V/60 Hz	1	ZFSQ 115 03
	230 V/50 Hz		ZFSQ 240 03
Super-Q Plus Water Purification (4-bowl, no pump)	120 V/60 Hz	1	ZFSQ 115 04
	230 V/50 Hz		ZFSQ 240 04

Consumables	Qty/Pk	Catalogue No.
Milligard Cartridge Filter, 20"	3	CWSC 02S 03
Super-C™ Carbon Cartridge	3	CDFC 022 03
Ion-Ex® Cartridge	2	CPMB 022 02
Organex-Q Cartridge	1	CPEX 022 01
Durapore TPE Cartridge, 0.22 µm	1	CVDI 02T PE

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