



MAR COR
PURIFICATION
A Cantel Medical Company

NANOpure® DIamond™ UV



NANOpure DIamond



The display and controls can be mounted up to ten feet away from your system providing you flexibility in choosing a mounting location.



Easy Cartridge replacement with "one connection" cartridge pack.

The Premier Ultrapure Lab Water System on the Market

- Compact design to save bench space
- Feed water and application specific cartridges optimize performance
- Volumetric and timed dispense features allow unattended monitoring
- System alert if water quality is below set point
- Two-year parts warranty

Mar Cor Purification

Mar Cor Purification is one of the largest and most experienced service-based water purification companies in North America; we have been servicing water treatment equipment for over 30 years and have an experienced team of service technicians. We offer a complete line of point-of use polishing systems for a broad range of applications. We can provide installation, support components such as service DI, maintenance and service from one of our 17 service centers throughout North America.

NANOpure DIamond UV

The ideal system for your critical applications requiring 18.2 megohm water with less than 1 ppb Total Organic Carbon. The water produced is perfect for applications requiring low organics including; High Performance Liquid Chromatography (HPLC), Ion Chromatography (IC), Gas Chromatography/ Mass Spec. (GC/MS) and TOC Determinations. A dual wavelength UV lamp oxidizes organics down to virtually undetectable levels and also maintains minimal bacterial levels within the system.

Unique Features – NANOpure DIamond UV

- Ideal for applications such as low wavelength HPLC, IC, GC/MS where organic removal is essential.
- The dual wavelength quartz UV lamp (185 & 254nm) oxidizes organics to virtually undetectable levels while controlling bacterial growth within the system.
- Reminder lets you know when it is time to change the lamp.
- Provides superior low cost quality water to meet or exceed your most critical organic determinant analysis.
- Provides 1-5 parts per billion (ppb) TOC (total organic carbon) and up to 18.2 megohm-cm resistivity water. Bacteria less than 1 CFU/ml
- Deliver water up to 8 feet away with the optional remote dispenser
- Comes complete with a wall mounting bracket.

Operation

- Purity up to 18.2 megohms-cm exceeds ASTM, CAP and NCCLS Type I water requirements.
- Complies with USP 28 guidelines with compensated and uncompensated resistivity measurements.
- Whisper quiet operation with the newest pump technologies.
- Automatic cleaning cycle helps keep your system clean.
- Maintain your water quality during periods of non-use with the standby mode of operation recirculating water for 10 minutes every hour.
- Maintain bacterial and particle free water with a 0.2 micron final filter.
- Trust your purity reading with automatic calibration verification of the electronics and optional NIST traceable calibration module.

NANOpure® Diamond™ UV

Product Description

- Choose from four application specific models then customize your system with the best cartridge pack for your needs.
- Multi-language display.
- Bring your water to your work - with the optional remote dispenser. Water can be dispensed up to 8 feet from your system.
- One model accounts for worldwide voltages and fluctuations.
- Universal design allows for wall or bench mounting.
- Feed water pressure fluctuations are no problem with the Diamond. Every system comes complete with a pressure-regulating valve.
- Can be upgraded with a TOC (Total Organic Carbon) analyzer.
- Feed water and application specific cartridge packs provide for optimum removal capabilities of unwanted contaminants
- Delivers up to 1.6 liters per minute of purified water
- All components are constructed of extremely inert materials ensuring maximum ionic and organic purity
- System Diagnostics allows you to evaluate important system functions and alerts you if a problem exists
- RS232 output enables you to print or save vital system information to a computer or an optional printer

Ordering Information

NANOpure Product Specifications*

Model#	Description	Max Inlet psig	Inlet	Inlet Temp F (C)	Voltages 47 - 63 Hz	Maximum Flow Rates Gravity	Pressurized
273-42-025	Diamond UV**	100	3/8" Inlet	40-120(4-49)	90-240VAC	1.5 LPM	1.6 LPM
273-42-034	Diamond UV with TOC analyzer**	100	3/8" Inlet	40-120(4-49)	90-240VAC	1.5 LPM	1.6 LPM

Diamond Cartridge Packs

Model#	Description	Application	Capacity
273-42-280	Diamond Kit Organic Free R/O and Distilled Feed for units with UV lamp (includes 0.2 micron final filter)	Ultra-Low Organics Type I Water R/O or Distilled Feed Water	1160 as NaCl (1503 meq)
273-42-281	Diamond Kit Organic Free Deionized Feed for units with UV lamp (includes 0.2 micron final filter)	Ultra-Low Organics Type I Water Deionized Water Feed	1160 as NaCl (1503 meq)
273-42-282	Diamond Kit Type I, Type I R/O and Distilled Feed for Analytical or UF units (includes 0.2 micron final filter)	Low Organics Type I Water R/O or Distilled Feed Water	1160 as NaCl (1503 meq)
273-42-283	Diamond Kit Type I, Type I Deionized Feed for Analytical or UF units (includes 0.2 micron final filter)	Low Organics Type I Water Deionized Water Feed	1160 as NaCl (1503 meq)

Accessories

Model#	Description
273-42-928	AccuDispenser - volumetric remote dispenser
273-42-927	Remote Dispenser - easily attaches to the NANOpure Diamond allowing you to deliver water up to 8 feet away from the unit. Unique design virtually eliminates any dead volume and coiled tube allows for easy use while taking up a minimal amount of space
273-42-929	NIST Calibration module
273-42-952	Cleaning Syringe
273-42-980	Diamond series IQ/OQ documents (without TOC readout)
273-42-981	Diamond series IQ/OQ documents (with TOC readout)

* Overall System Dimensions, Inches (cm) - 13.4 (34) x 19.5 (49.5) x 16.9 (42.9)

** System prices do not include "Cartridge Packs"



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