



**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"



**MAR COR**  
**PURIFICATION**  
A Cantel Medical Company

Mar Cor Purification  
4450 Township Line Road  
Skipack, PA 19474-1429  
U.S.A.  
Tel: (484) 991-0220  
Toll Free: (800) 346-0365  
Fax: (484) 991-0230

Mar Cor Purification  
14605 28th Avenue North  
Minneapolis, MN 55447-4822  
U.S.A.  
Tel: (763) 553-3300  
Toll Free: (800) 328-3370  
Fax: (763) 553-3387

Mar Cor Purification  
3250 Harvester Road - Unit 6  
Burlington, ON L7N 3W9  
Canada  
Tel: (905) 639-7025  
Toll Free: (800) 268-5035  
Fax: (905) 639-0425

Minntech B.V.  
Sourethweg 11  
6422 PC Heerlen  
The Netherlands  
Tel: (+31) 45 5471 471  
Fax: (+31) 45 5429 695

Minntech Asia/Pacific Pte. Ltd  
438 Alexandra Road  
#03-01 Alexandra Point  
Singapore 119958  
Tel: (+65) 6227 9698  
Fax: (+65) 6225 6848

www.mcpcr.com