



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

## NANOpure® DIamond™ Analytical



*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 Analytical

The perfect system for your most sensitive analytical procedures including; Atomic Absorption (AA), ICP and ICP/MS and Ion Chromatography (IC). Customize your DIamond with the DIamond cartridge pack that is designed specifically for your feed water and application.

### Unique Features – NANOpure DIamond Analytical

- Digital reading of resistivity, conductivity and optional N.I.S.T. calibration module
- Single connection, large capacity cartridge pack
- Provides superior low cost quality water to meet or exceed your most critical organic determinant analysis.
- Provides 5-10 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™ Analytical

## 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.
- Analytical and UV modes 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
273-42-024	DIamond Analytical**	100	3/8" Inlet	40-120(4-49)	90-240VAC	1.5 LPM	1.6 LPM
273-42-033	DIamond Analytical 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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