

Ultra Pure Water Systems



NANOpure Diamond™ the new generation for ultra pure water purification



NANOpure Diamond™ complies to GLP and GMP rules and can be delivered in 8 different specifications. All Diamond™ systems are equipped with a single cartridge pack according to the desired application. The volumetric dispense allows to sample water controlled by the alphanumeric display adjustable to 6 languages

- volumetric controlled (from 0.25 up to 60 litres)
- or
- time controlled

The RS 232 output enables to print or save all necessary data by a printer or PC according to GLP. NIST traceable calibration, online sanitisation and a compensated or uncompensated conductivity reading complying to USP 24 are some more highlights of all Diamond™ systems. Via the remote control the unit can be wall or under desk mounted, the optional dispenser allows to sample water up to 8 feet from the unit.

| Technical Data | NANOpure Diamond™ |
|--------------------------|--------------------------|
| Feed water | < 5 µS/cm |
| TOC | < 2 ppb (UV) |
| Pyrogen | < 0.005 EU/ml (UF/UV-UF) |
| Bacteria | < 1 cfu/ml |
| Ultra pure water quality | > ASTM type I |
| Resistivity | > 18.2 MΩxcm |
| Flow rate | 1.3 – 1.5 l/min |
| Dimensions H x W x D | 340 x 428 x 495 mm |
| Electrical | 90 – 240 VAC |



Special:

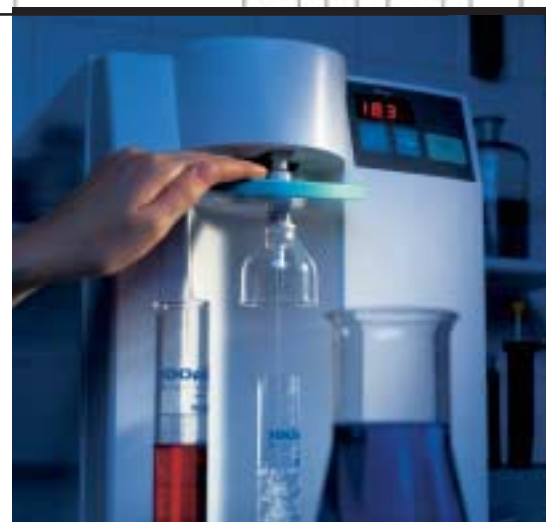
All systems are optional available with an integrated TOC-analyzer. The analyzer is positioned after all purification steps, reading 1 – 250 ppb via the multilingual display. The data can be recorded by printer or PC.

| Model | Description | Order no. |
|-----------------------|--|-----------|
| Analytical | integrated pressure regulator, for all applications like AA, IC and rinsing | 2121-007 |
| Analytical TOC | with integrated TOC analyzer | 2121-011 |
| UV | dual wavelength UV 185/254 nm with control system for critical applications like ICP, ICP/MS, IC, GC, TOC | 2121-008 |
| UV TOC | with integrated TOC analyzer | 2121-012 |
| Bioresearch UF | ultra filtration 6 log pyrogen reduction for cell and tissue culture, pyrogen free water < 0.005 EU/ml | 2121-009 |
| Bioresearch UF TOC | with integrated TOC analyzer | 2121-013 |
| LifeScience UV/UF | dual wavelength UV 185/254 nm and ultra filtration for biotechnology applications as PCR, DNA studies, IVF (TOC < 3 ppb) | 2121-010 |
| LifeScience UV/UF TOC | with integrated TOC analyzer | 2121-014 |

EASYpure – 5 ultra pure water systems for all requirements

All EASYpure systems are based on proven technologies for the production of ultra pure water at 18.2 MΩxcm. Depending on the system different moduls are installed.

- Integrated pressure regulator (all systems)
- UV Disinfection/Oxidation at 254/185 nm for TOC < 2 ppb
- Ultrafiltration for pyrogen levels < 0.005 EU/ml, automatic flush system
- Temperature compensated resistivity meter (all systems)



| Model | Description | Order no. |
|----------------|---|-----------|
| EASYpure RF | with build in feed-tank (6,5 l) for all applications like AA, IC and rinsing 0.5 l/min | 2101-001 |
| EASYpure LF | for all applications like AA, IC and rinsing 1.5 l/min | 2101-002 |
| EASYpure UV | dual wavelength UV 185/254 nm with control system for critical applications like ICP, ICP/MS, IC, GC, TOC | 2101-003 |
| EASYpure UF | ultra filtration 6 log pyrogen reduction for cell and tissue culture, pyrogen free water < 0.005 EU/ml | 2101-004 |
| EASYpure UV/UF | dual wavelength UV 185/254 nm and ultra filtration for biotechnology applications as PCR, DNA studies, IVF (TOC < 3 ppb) | 2101-005 |

Infinity – ultra pure water systems for higher demands



Infinity is the right choice for ultra pure water demands > 50 l per day with economical running costs. The modular design with up to 6 purification steps allows to upgrade each unit with UV or UF moduls at any time.

- UV Disinfection/Oxidation at 254/185 nm for TOC < 2 ppb
- Ultrafiltration for pyrogen levels < 0.005 EU/ml, automatic flush system
- Temperature compensated resistivity meter (all systems)
- 4 different cartridges according to the individual applications

| Model | Description | Order no. |
|----------------|---|-----------|
| Infinity base | for all applications like AA, IC, rinsing | 2121-003 |
| Infinity UV | dual wavelength UV 185/254 nm with control system for critical applications like ICP, ICP/MS, IC, GC, TOC | 2121-004 |
| Infinity UF | ultra filtration 6 log pyrogen reduction for cell and tissue culture, pyrogen free water < 0.005 EU/ml | 2121-005 |
| Infinity UV/UF | dual wavelength UV 185/254 nm and ultra filtration for biotechnology applications as PCR, DNA studies, IVF (TOC < 3 ppb) | 2121-006 |

Quality

Our target is quality



Experience and innovation

For more than twenty years now the name of WERNER stands for the highest quality in pure and ultra pure water technology for lab and industry. WERNER is your partner with own sales and service locations in many European countries. With quality reference, innovative strengths and flexibility we are a leading supplier of pure and ultra pure water systems in the german and international markets.

Products and services from a single supplier

Ever more accurate and ever more analytical and production technologies in industry and research require innovative water treatment methods. We offer everything from the smallest laboratory unit with an output of 0.5 l/min up to technical plants with 20 000 l/hour — precise and tailor-made solutions from a single supplier. This is backed up by a highly motivated team that develops and produces solutions from analyzing and advising, via CAD design and production, to start-up and maintenance.

WERNER quality – certified to ISO 9001:2000

Since 1996 we fulfill the highest internationally recognized quality requirements and have the certificate to prove it. WERNER is one of the first suppliers of water treatment plants who has gained the ISO certification. In this way we have provided a safeguard for the future for our company, our customers and our business partners.

