

Ultrapure Water System GenPure, Thermo Scientific

The Thermo Scientific GenPure system for supply of ultrapure water (18.2 MΩ, 0.055µS/cm) ASTM type I

Ultrapure water supply for requirements ranging from 15 liters/day to max. 100 l/day.

All GenPure systems meet the requirements of the international standards ASTM (type I), ISO 3696 (type 1), ASTM D1193, and CLSI-CLRW. The large range of innovative optional accessories, such as a UV lamp of wavelengths 185/254 nm with UV intensity monitoring function, real time TOC monitoring, ultra-filter with backflushing option, a remote xCAD dispenser (for installation in up to 5 m distance from the GenPure, action radius of the dispenser arm 80 cm), or a flexible dispenser arm installed at the GenPure with an action radius of 60 cm ensure optimum supply of all analytical and bio-scientific applications. All GenPure systems are supplied ready for use and complete with the following equipment: feed water pressure reducer, wall mounting bracket, ultrapure water cartridge, end filter, and various options – all available under one single order number.

Ultrapure water specifications ASTM type I:

Flow rate l/min.: max. 2.0

Conductivity in µS/cm: 0.055

Resistance in MΩ x cm: 18.2

TOC value in ppb (models with UV): 1 - 5

TOC value in ppb (models without UV): < 10

Endotoxins in EU/ml (models with UF): 0.001

Bacterial content in KbE/ml: < 1

Particle content per ml: < 1

Technical data:

Dim. device (WxHxD): 372 x 615 x 330 mm

Dim. xCAD (WxHxD): 260 x 725 x 530 mm (all dimensions incl. dispenser arm)

Mains connection: 90-240 V/50 Hz, rubber connector 1.8 m

Raw/feed water: RO/DI/distilled water 0.1 to 6 bar

Feed water connection: Hose 2.0 m with 8 mm outside diam. and ¾" inner thread

Waste water connection: ¼" or 8 mm outside diam., hose 2 m, unpressurized outlet

Weight empty: max. 21 kg

① GenPure ultrapure water system

| Article | Typical application | Order No. |
|-------------------|---|-------------|
| GenPure | AAS, ICP, standard buffer | 93 86 82202 |
| GenPure UF | Micro and molecular biology, PCR, IVF | 93 86 82203 |
| GenPure UV | Trace analysis, HPLC, ICP-MS, IC | 93 86 82205 |
| GenPure UV-TOC | Trace analysis, HPLC, ICP-MS, IC | 93 86 82206 |
| | TOC analysis | |
| GenPure UV/UF | Molecular biology, PCR, DNS, IVF | 93 86 82204 |
| | Monoclonal antibodies, cell culture | |
| GenPure UV/UF-TOC | Molecular biology, PCR, DNS, IVF | 93 86 82207 |
| | Monoclonal antibodies, cell culture, TOC analysis | |

② Ultrapure water system GenPure Pro

with flexible integrated dispenser arm, radius of action 60 cm

| Article | Typical application | Order No. |
|-----------------------|---|-------------|
| GenPure Pro | AAS, ICP, standard buffer | 10 86 62302 |
| GenPure Pro UF | Micro- and molecular biology, PCR, IVF | 10 86 62303 |
| GenPure Pro UV | Trace analysis, HPLC, ICP-MS, IC | 10 86 62215 |
| GenPure Pro UV-TOC | Trace analysis, HPLC, ICP-MS, IC, TOC analysis | 10 86 62306 |
| GenPure Pro UV/UF | Molecular biology, PCR, DNS, IVF, Monoclonal antibodies, cell culture | 10 86 62214 |
| GenPure Pro UV-TOC/UF | Molecular biology, PCR, DNS, IVF, Monoclonal antibodies, cell culture, TOC analysis | 10 86 62307 |

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③ GenPure xCAD

with flexible, external dispenser station which can be installed in up to 5 m distance from the GenPure

| Article | Typical application | Order No. |
|------------------------------|---|-------------|
| GenPure xCAD bench | AAS, ICP, standard buffer | 10 86 62402 |
| GenPure xCAD wall | AAS, ICP, standard buffer | 10 86 62502 |
| GenPure xCAD UF bench | Micro- and molecular biology, PCR, IVF | 10 86 62403 |
| GenPure xCAD UF wall | Micro- and molecular biology, PCR, IVF | 10 86 62503 |
| GenPure xCAD UV bench | Trace analysis, HPLC, ICP-MS, IC | 10 86 62405 |
| GenPure xCAD UV wall | Trace analysis, HPLC, ICP-MS, IC | 10 86 62505 |
| GenPure xCAD UV-TOC bench | Trace analysis, HPLC, ICP-MS, IC, TOC analysis | 10 86 62406 |
| GenPure xCAD UV-TOC wall | Trace analysis, HPLC, ICP-MS, IC, TOC analysis | 10 86 62506 |
| GenPure xCAD UV/UF bench | Molecular biology, PCR, DNS, IVF, Monoclonal antibodies, cell culture | 10 86 62404 |
| GenPure xCAD UV/UF wall | Molecular biology, PCR, DNS, IVF, Monoclonal antibodies, cell culture | 10 86 62504 |
| GenPure xCAD UV-TOC/UF bench | Molecular biology, PCR, DNS, IVF, Monoclonal antibodies, cell culture, TOC analysis | 10 86 62407 |
| GenPure xCAD UV-TOC/UF wall | Molecular biology, PCR, DNS, IVF, Monoclonal antibodies, cell culture, TOC analysis | 10 86 62507 |

Accessories on request.

