



arium® pro Ultrapure Water System



Features

- Innovative glass operator interface with touch function
- Volume- and time-controlled dispensing
- Freely adjustable flow rates up to 2 l/min**
- Conductivity measurement for feed and product water
- Integrated monitoring of water consumption
- Data logging on SD card and printer or PC
- Activatable PIN code for basic configurations
- Service and alarm functions supported by graphic displays
- Intelligent alarm system
- Compact design

arium® pro, ASTM Typ1 water purification system for the high end user. Whether for routine analysis or critical applications where reagent-grade water is required, the system consistently supplies high quality that is perfect for your applications.

arium® pro features a convincing innovative design, quality and ease of use. From the intuitive menu navigation to the operator-friendly setup, all units in the arium® pro series feature ultra easy operation and ultra high flexibility for producing laboratory-grade purified water.

Areas of Application:

- Atomic absorption (AA)
- Ion exchange chromatography (IC)
- High performance liquid chromatography (HPLC)
- Polymerase chain reaction (PCR)
- Inductively coupled plasma mass spectrometry (ICP-MS)
- Preparing cell culture media
- Protein purification
- Manufacturing reagents
- Preparing buffers and media
- Rinsing glass vessels

Inlet water requirements

Specific conductance	
RO water:	100 µS/cm
Distilled water:	4 µS/cm
Deionized water:	20 µS/cm
TOC:	<1000 ppb
Turbidity:	<1 NTU
Silica:	<1000 ppb

Minimum inlet pressure

Depressurized

Maximum inlet pressure

6.9 bar

Dimensions

Width 350 mm
Height 492 mm
Depth 451 mm

Empty weight

17-18 kg (depends on the type of system)

Operating weight

27-28 kg (depends on the type of system)

PC | Printer connections

SD Card
RS-232

Electrical requirements

100-240 Vac (± 10%),
50-60 Hz, 80 W (max.),
130 VA (max.)

Specifications

Product Water Quality	pro DI	pro UV	pro UF	pro VF
Resistivity (MΩ × cm)	18.2	18.2	18.2	18.2
TOC (ppb)* @ 100 ppb feed water	< 4	< 1	< 4	< 1
TOC (ppb)* @ 1000 ppb feed water	< 20	< 10	< 20	< 10
Absorbance units (AUFS @ 210 nm)	n.a.	< 0.005	n.a.	< 0.005
Endotoxin (EU/ml)	n.a.	n.a.	< 0.001	< 0.001
Particles (@ 0.2 µm)	< 1/ml	< 1/ml	< 1/ml	< 1/ml
Bacteria (CFU/1000 ml)	< 1	< 1	< 1	< 1
Flow rate (l/min)**	up to 2	up to 2	up to 1.7	up to 1.7

* depends on inlet water quality

** at a pressure of 2 bar, without final filter

Environmental conditions

Operation

5–30°C*; 80% relative humidity,
non condensing

Storage

5°C–45°C; 80% relative humidity,
non condensing

* 5–40°C optional

Systems

Order no.	Description
H20pro-DI-B	arium® pro DI wall-mounted unit for producing ultrapure water for standard applications with front bottom-mounted display dispenser unit and integrated wall bracket for the system
H20pro-DI-T	arium® pro DI bench-top system for producing ultrapure water for standard applications with front top-mounted display dispenser unit
H20pro-DI-D	arium® pro DI built-in system for producing ultrapure water for standard applications, including wall mounting kit for the display dispenser unit with 2.8 meter extended cable, tubing and wall bracket
H20pro-UF-B	arium® pro UF wall-mounted unit for producing ultrapure water for cell culture applications with front bottom-mounted display dispenser unit and integrated wall bracket for the system
H20pro-UF-T	arium® pro UF bench-top system for producing ultrapure water for cell culture applications with front top-mounted display dispenser unit
H20pro-UF-D	arium® pro UF built-in system for producing ultrapure water for cell culture applications, including wall mounting kit for the display dispenser unit with 2.8 meter extended cable, tubing and wall bracket
H20pro-UV-B	arium® pro UV wall-mounted unit for producing ultrapure water for chromatographic applications with front bottom-mounted display dispenser unit and integrated wall bracket for the system
H20pro-UV-T	arium® pro UV bench-top system for producing ultrapure water for chromatographic applications with front top-mounted display dispenser unit
H20pro-UV-D	arium® pro UV built-in system for producing ultrapure water for chromatographic applications, including wall mounting kit for the display dispenser unit with 2.8 meter extended cable, tubing and wall bracket
H20pro-VF-B	arium® pro VF wall-mounted unit for producing ultrapure water for standard, cell culture and chromatographic applications with front bottom-mounted display dispenser unit and integrated wall bracket for the system
H20pro-VF-T	arium® pro VF bench-top system for producing ultrapure water for standard, cell culture and chromatographic applications with front top-mounted display dispenser unit
H20pro-VF-D	arium® pro VF built-in system for producing ultrapure water for standard, cell culture and chromatographic applications, including wall mounting kit for the display dispenser unit with 2.8 meter extended cable, tubing and wall bracket

Cartridge kits for pro DI and pro UF systems

Order no.	Description
611CKDI*	1 pretreatment cartridge and 1 polishing cartridge for DI or electrically deionized feed water for applications requiring a low level of inorganic substances
611CKDO*	1 pretreatment cartridge and 1 polishing cartridge for DI or electrically deionized feed water for low TOC level applications
611CKRI*	1 pretreatment cartridge and 1 polishing cartridge for RO or distilled feed water for applications requiring a low level of inorganic substances
611CKRO*	1 pretreatment cartridge and 1 polishing cartridge for RO or distilled feed water and low TOC level applications
611CKHI*	1 pretreatment cartridge and 1 polishing cartridge for RO, distilled or electrically deionized feed water for applications requiring a low level of inorganic substances
611CKTI*	1 pretreatment cartridge and 1 polishing cartridge for potable tap water feed for applications requiring a low level of inorganic substances
611CKTO*	1 pretreatment cartridge and 1 polishing cartridge for potable tap water feed and for low TOC level applications

Cartridge kits for pro UV and pro VF systems

Order no.	Description
611CKDU*	1 pre-treatment cartridge and 1 polishing cartridge for DI or electrically deionized feed water and low TOC level applications
611CKRU*	1 pre-treatment cartridge and 1 polishing cartridge for RO or distilled feed water and low TOC level applications
611CKTU*	1 pre-treatment cartridge and 1 polishing cartridge for potable tap water feed and low TOC level applications

* Contains 2 sterile final filters (0.2 µm), Sartopore 2 150

Consumables

Order no.	Description
611CDU5	UF cartridge
611CEL1	UV lamp
611CDS2	Sanitization kit with 2 syringes
611CDS6	Sanitization kit with 6 syringes
5441307H4--NO--B	Sartopore® 2 150 final filter, pore size: 0.2 µm (pack with 5 pcs.)

Accessories

Order no.	Description
611AMDG1	Dispense gun
611ATOC1	TOC Instrument
611APR1	Dot matrix printer for data logging
H2O-AFS1	Foot switch for water dispensing
H2O-ALS1	2 Level Sensors for connection to an open tank system

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