



arium® basic Ultrapure Water System



The arium® basic system supplies ASTM type 1 ultrapure water and is used for both critical applications and routine analyses. Streamlined to incorporate only the most important functions for the production of high-quality ultrapure water, the arium® basic is a cost-effective alternative for the discerning user that is also very easy to use.

Areas of Application

- Atomic absorption (AA)
- Ion exchange chromatography (IC)
- Inductively coupled plasma mass spectrometry (ICP-MS)
- Rinsing glass vessels
- Preparing buffers and media
- Manufacturing reagents

Features

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

Specifications

Product water quality

Specific resistivity (MΩ × cm)	18.2
TOC at 100 ppb* inlet water	< 4
TOC at 1000 ppb* inlet water	< 20
Particulate matter (at 0,2 μm)	< 1/ml
Bacteria (CFU/1000 ml)	< 1
Flow rate (l/min)**	Up to 2

* Depends on the quality of the inlet water treated

** At a pressure of 2 bar without a final filter

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

Approx. 17 kg

Operating weight

Approx. 27 kg

PC | Printer connections

RS-232

Electrical requirements

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

Environmental conditions

Operation

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

Storage

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

* 5–40°C optional

Systems

Order no.	Description
H20 basic-B	arium® basic wall-mounted unit for producing ultrapure water for standard applications with front bottom-mounted display dispenser unit and integrated wall-mounting bracket for the system
H20 basic-T	arium® basic bench-top system for producing ultrapure water for standard applications with front top-mounted display dispenser unit

Cartridge kits

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 for low TOC level applications
611CKHI*	1 pretreatment cartridge and 1 polishing cartridge for RO, distilled, DI, or electrically deionized feed water for applications requiring a low level of inorganic substances
611CKTI*	1 pretreatment cartridge and 1 polishing cartridge for potable feed water for applications requiring a low level of inorganic substances
611CKTO*	1 pretreatment cartridge and 1 polishing cartridge for potable feed water for low TOC level applications

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

Consumables

Order no.	Description
5441307H4--NO--B	Sartopore® 2 150 sterile final filters, pore size: 0.2 µm (pack with 5 pcs.)

General Accessories

Order no.	Description
611APR1	Dot matrix printer for data logging

Sartorius Stedim Biotech GmbH
August-Spindler-Strasse 11
37079 Goettingen, Germany
Phone +49.551.308.0
Fax +49.551.308.3289
www.sartorius-stedim.com

USA Toll-Free +1.800.368.7178
UK +44.1372.737159
France +33.442.845600
Italy +39.055.63.40.41
Spain +34.90.2110935
Japan +81.3.3740.5407

Specifications subject to change
without notice. Printed and copyrighted
by Sartorius Stedim Biotech GmbH
W · G
Publication No.: SLG2043-e10041
Order No.: 85032-536-43
Ver. 04 | 2010