

arium® comfort Series



손쉬운 소모품 교체

직관적인 Touch Screen
영문 메뉴 탐색

0.22µm Sterile Final Filter

1차 or 2차수 & 3차수 통합형 장비



arium bag tank 20/50/100

Bag for Minimum Maintenance

- 5분 이내의 손쉬운 Bag 교체
- 화학성분의 Chemical Cleaning이 필요 없음.
- Quick-connect coupling을 사용한 실용적이고 누수 방지 연결

Innovative Technology to Prevent Secondary Contamination

- Biofilm 방지를 통한 최적의 수질 유지
- Closed system으로 순도 보장
- Special multilayer S71 bag material으로 인한 안정적인 수질

Type of System Feed Water

arium® comfort I	Directly connects to tap water
arium® comfort II	Directly connects to tap water

arium® comfort I Space-saving Twin Technology

1차수 & 3차수 통합형 모델



- 1차수 & 3차수 생산 가능
- Lowest TOC < 2 ppb
- 혁신적인 소프트웨어로 일정 수질 보장
- 분당 2 L 초 순수 생산
- 손 쉬운 터치패널 방식 시스템 도입
- 지능적인 알람 시스템 기능

- HPLC
- GC-MS, AAS, ICP-MS
- Ion chromatography
- TOC-Analysis
- Photometry
- Buffer an pH-solutions
- Feed water for laboratory devices, such as autoclaves, glassware washers etc.

Technical Specifications

Type of water	ASTM Type 1	Type 3
Output	120 l/h	8 or 16 l/h
Water dispensing flow rate	up to 2 l/min	up to 3 l/min
Volume controlled output	2 l/min in 100 ml, 1 l or 5 l steps, depending on total dispense between 0,1 l and 60 l	-
Volume accuracy	3 % in the range of 0.25 l and 60 l	-
Typical conductivity	-	< 20 µs/cm
Typical resistivity	-	< 0.05 M ×cm
Conductivity	0.055 µs/cm compensated to 25°C	-
Resistivity	18.2 M ×cm compensated to 25°C	-
TOC content	< 2 ppb	-
Microorganism content	< 1 CFU/1,000 ml	< 1 CFU/1,000 ml
Particle content	< 1/ml	< 1/ml
Typical Ion retention	-	up to 98%
Retention of dissolved organic substances (MW > 300 Dalton)	-	> 99 %
Particle and microorganism retention	-	> 99 %

Ordering Information

Order No.	Description
H20-I-1-T	arium® comfort I Bench-Top system in a compact design for every laboratory workstation, Type 3 production flow rate 8 l/h without UV Lamp and TOC Monitor
H20-I-1-UV-T	arium® comfort I Bench-Top system in a compact design for every laboratory workstation, Type 3 production flow rate 8 l/h Inc. UV Lamp
H20-I-1-TOC-T	arium® comfort I Bench-Top system in a compact design for every laboratory workstation, Type 3 production flow rate 8 l/h Inc. UV Lamp and TOC Monitor
H20-I-2-T	arium® comfort I Bench-Top system in a compact design for every laboratory workstation, Type 3 production flow rate 16 l/h without UV Lamp and TOC Monitor
H20-I-2-UV-T	arium® comfort I Bench-Top system in a compact design for every laboratory workstation, Type 3 production flow rate 16 l/h Inc. UV Lamp
H20-I-2-TOC-T	arium® comfort I Bench-Top system in a compact design for every laboratory workstation, Type 3 production flow rate 16 l/h Inc. UV Lamp and TOC Monitor

Accessories

5441307H4-CE	arium® Sterile filter (Sartopore® 2 150 capsule) 0.2 µm pore size, (1 pc)
H20-C-PACK	arium® comfort Kit, qty. 1 unit
H20-CPFCO-1	arium® comfort Pre-Treatment Cartridge, qty. 1 unit
613CPM4-V	arium® RO Modules, qty. 2 units
611CEL1	arium® UV Lamp (185 254 nm), qty. 1 unit
H20-CUF	Ultrafilter for arium mini series and comfort series.

arium® comfort II Space-saving Twin Technology

2차수 & 3차수 통합 형 모델



- 2차수 & 3차수 생산 가능
- Lowest TOC < 2 ppb
- 혁신적인 소프트웨어로 일정 수질 보장
- 분당 2 L 초 순수 생산
- 손 쉬운 터치패널 방식 시스템 도입
- 지능적인 알람 시스템 기능

Technical Specifications

Type of water	ASTM Type 1	Type 2
Output	120 l/h 5 or	10 l/h
Water dispensing flow rate	up to 2 l/min	up to 3 l/min
Volume controlled output depending on total dispense between 0,1 l and 60 l	2 l/min in 100 ml, 1 l or 5 l steps,	-
Volume accuracy	3 % in the range of 0.25 l and 60 l	-
Typical conductivity	-	0.2 - 0.07 µs/cm
Typical resistivity	-	5 - 15 M ×cm
Conductivity	0.055 µs/cm compensated to 25°C	-
Resistivity	18.2 M ×cm compensated to 25°C	-
TOC content	< 2 ppb	-
Microorganism content	< 1 CFU/1,000 ml	< 1 CFU/1,000 ml
Particle content	< 1/ml	< 1/ml
Typical Ion retention	-	-
Particle and microorganism retention	-	> 99%

Ordering Information

Order No.	Description
H20-II-1-T	arium® comfort II bench-top system in a compact design for every laboratory workstation, Type 2 production flow rate 5 l/h without UV lamp and TOC monitor
H20-II-1-UV-T	arium® comfort II bench-top system in a compact design for every laboratory workstation, Type 2 production flow rate 5 l/h Inc. UV lamp
H20-II-1-TOC-T	arium® comfort II bench-top system in a compact design for every laboratory workstation, Type 2 production flow rate 5 l/h Inc. UV lamp and TOC monitor
H20-II-2-T	arium® comfort I Bench-Top system in a compact design for every laboratory workstation, Type 2 production flow rate 10 l/h without UV Lamp and TOC Monitor
H20-II-2-UV-T	arium® comfort I Bench-Top system in a compact design for every laboratory workstation, Type 2 production flow rate 10 l/h Inc. UV Lamp
H20-II-2-TOC-T	arium® comfort I Bench-Top system in a compact design for every laboratory workstation, Type 2 production flow rate 10 l/h Inc. UV Lamp and TOC Monitor
H20-CUF	Ultrafilter for arium mini series and comfort series.

Accessories

H20-CPFCO-1	1 pre-treatment cartridge
H20-CRO-H-2	arium® RO modules, qty. 2 units
H20-CSO-1	1 softener cartridge
H20-C-PACK	1 arium® comfort kit
5441307H4-CE	arium® Sterile filter (Sartopore® 2 150 capsule) 0.2 µm pore size, (1 pc)
H20-CUF	Ultrafilter for arium mini series and comfort series.

- HPLC
- GC-MS, AAS, ICP-MS
- Ion chromatography
- TOC analysis
- Photometry
- Microbiological media and reagents
- Histology
- ELISA, RIA
- Buffers and pH solutions
- Feed water for laboratory devices, such as autoclaves, glassware washers, humidifiers, water baths etc.

arium® advance RO

1차수 생산 장비



- Feed water for ultrapure water systems
- Rinsing of glass and laboratory containers
- Feed water for various laboratory devices, such as humidifiers, autoclaves and lab glassware washers

- 일정한 수질의 1차수 생산
- 손 쉬운 터치패널 방식 시스템 도입
- 최적화된 물 절약 시스템
- 공간 절약을 위한 맞춤형 설계

Technical Specifications

Water type	Type 3
Output	8 / 16 / 24 l/h
Water dispensing flow rate	3 l/min
Typical conductivity	< 20 µs/cm
Typical resistivity	< 0.05 M ×cm
Microorganism content	< 1 CFU/1000 ml
Particle content	< 1/ml
Typical ion retention	up to 98 %
Retention of dissolved organic substances (MW > 300 Dalton)	> 99 %
Particle and microorganism retention	> 99 %

Ordering Information

Order No.	Description
H20-RO-1-T	arium® advance RO Bench-Top system in a compact design for every laboratory workstation, product water flow rate 8 l/h
H20-RO-2-T	arium® advance RO Bench-Top system in a compact design for every laboratory workstation, product water flow rate 16 l/h
H20-RO-3-T	arium® advance RO Bench-Top system in a compact design for every laboratory workstation, product water flow rate 24 l/h
H20-CPFAD-1	arium® RO Pretreatment Cartridge, qty. 1 unit
613CPM4-V	arium® RO Modules, qty. 2 units
H20-CCS	arium® RO Module Cleaning Set, qty. 1 unit

arium® advance EDI

2차수 생산 장비



- Microbiological media and reagents
- Solutions for chemical analysis and synthesis
- Histology
- ELISA, RIA
- Buffers and pH solutions
- Feed water for various laboratory devices, such as autoclaves, glassware washers, etc.

- 일정한 수질의 2차수 생산
- 손 쉬운 터치패널 방식 시스템 도입
- 최적화된 물 절약 시스템
- 공간 절약을 위한 맞춤형 설계

Technical Specifications

Water type	Type 2
Typical conductivity	0.2 - 0.07 µs/cm at 25 °C
Typical resistivity	5 - 15 M ×cm at 25 °C
Retention rate	up to 99 %
Bacteria	< 1 CFU/1000 ml
Particles	< 1/ml
Product water flow performance	5 or 10 l/h

Ordering Information

Order No.	Description
H20-EDI-1-T	arium® advance EDI benchtop system in a compact design for every laboratory workstation, product water flow rate 5 l/h
H20-EDI-2-T	arium® advance EDI Bench-Top system in a compact design for every laboratory workstation
H20-CPFAD-1	arium® RO Pretreatment cartridge
H20-CRO-H-2	arium® RO modules, qty. 2 units
H20-CSO-1	1 softener cartridge