

WATER PURIFICATION

LABORATORY WATER PURIFICATION SYSTEM BOECOpure

laboratory system for direct connection to the tap for purified water according to ASTM Type I and Type II

ASTM Type I Ultrapure water applicable for

Molecular biology, microbiology, PCR, inorganic and organic trace analysis
HPLC, ICP, TOC-analysis

ASTM Type II Ultrapure water applicable for

Rinsing laboratory glassware, preparing and diluting buffers, reagents, tissue culture media and dyes.
Sample preparation for analytical methods such as flame AAS

The BOECOpure is a compact complete system that produces 6 litres of ultrapure water per hour. The built-in 6 litre tank for ultrapure water has a conical bottom for complete emptying. It is equipped with a sterile vent filter and a pressure pump for supplying equipment connected downstream (e.g. autoclaves, analyzers). If required, a flexible dispenser with a sterile filter can be connected to the tank.

► Powerful performance

Permeate flow 6 l/h
Flow rate 1,0 l/min

► Lasting economy

Water purification progresses through separate modules, each with quick connects for simple individual replacement

► Module 1

Pretreatment module with integrated reverse osmosis membrane

► Module 2

Cartridge containing high-quality ultrapure resins with very long service intervals

► Easy to operate

Just turn the dispense button to get ultrapure water
Ultrapure water quality is ensured by the limiting value input RS 232 interface
The display can be tilted to your optimal reading position

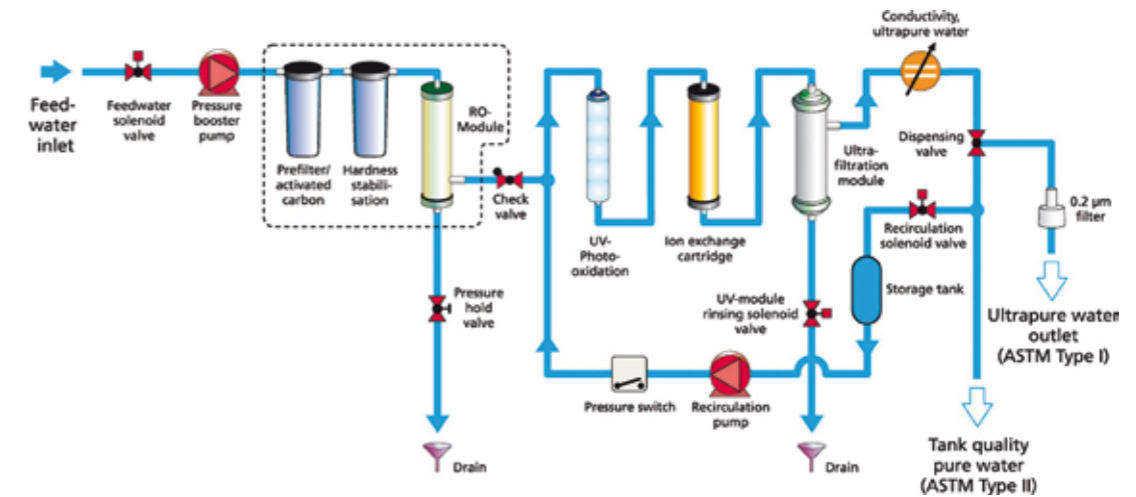
► Placement anywhere

Stand it on the laboratory bench
Mount it on the wall



EASY REPLACEMENT OF CARTRIDGES DUE TO QUICK CONNECTS

BOECOpure UV/UF Flow chart



Specification:	BOECOpure	BOECOpure UF	BOECOpure UV	BOECOpure UF/UV
Permeate performance at 15°C:			6 l/h	
Flow rate:	1.0 l/min	0.6 l/min	1.0 l/min	0.6 l/min
Operating pressure in bar, min./max.			1-6 bar	
ASTM I conductivity:			0.055 µS/cm	
Resistance at 25°C:			18.2 M xcm	
TOC Value:	5-10 ppb	5-10 ppb	1-5 ppb	1-5 ppb
Bacterial content in CFU/ml:			< 1	
Particle content:			< 1	
Endotoxines in EU/ml			0.005	
ASTM II conductivity:			0.067-0.1µS/cm	
Resistance at 25°C:			15-10 M x cm	
Supply voltage:			Automatic voltage regulation to 24 V	
Power consumption:			0.06 kW	
Connector size:			R 2/4"	
Dimensions, W x D x H mm			305 x 400 x 545	
Weight:			22 kg	

The BOECOpure UF is supplemented with an ultrafilter
The BOECOpure UV is supplemented with UV-oxidation, 185/254 nm
The BOECOpure UF/UV is supplemented with an ultrafilter and UV-oxidation, 185/254 nm

Code	Description
BOE 8082060	BOECOpure standard
BOE 8082061	BOECOpure UF
BOE 8082062	BOECOpure UV
BOE 8082063	BOECOpure UF/UV

Accessories

Code	Description
BOE 8092212	Wall-mount
BOE 8092006	Pretreatment module (1) with RO-membrane, 6 l/h
BOE 8091020	Ultrapure water cartridge (module 2)
BOE 8091003	Sterile filter
BOE 8220091	Vent filter for tank

optional

The Pretreatment pack for BOECOpure protects the reverse osmosis module against particulates, dirt, and colloids. The complete pack consists of one filter housing with wall mount, one 1 µm cartridge and 2 x 1.5 m hose with R 3/4 connectors

Code	Description
BOE 8094003	Pretreatment pack for BOECOpure
BOE 8065101	Replacement, pre-filter insert

