

Fields of use

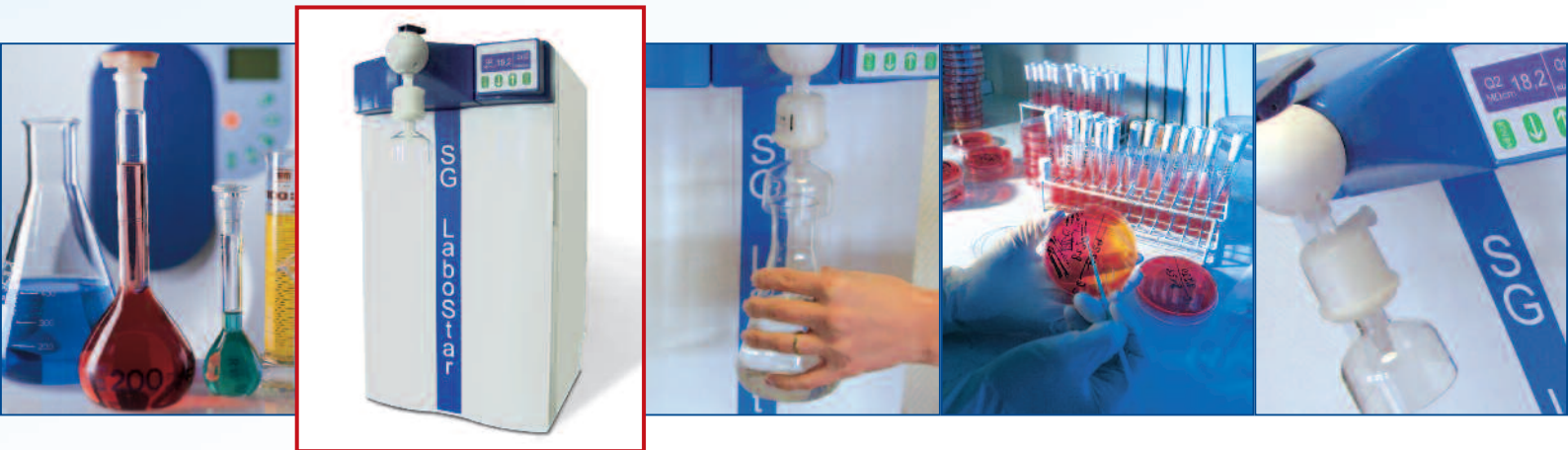
Molecular biology
Microbiology
Electronics
Optics
Semiconductor
Biochemistry
Pharmaceuticals
Chemistry
Analytical methods

Ultrapure water

new · new · new · new · new · new

Series LaboStar 3-DI and -UV

Ultrapure water – flexible and reliable



Always one step ahead.



LaboStar 1-DI

General analysis, standard buffer, AAS, GC, IC, ICP, cell and tissue culture, pyrogen sensitive applications

LaboStar 1-UV

Micro- und molecularbiology, PCR, HPLC, TOC analysis

Ultrapure Water System LaboStar 3-DI and -UV

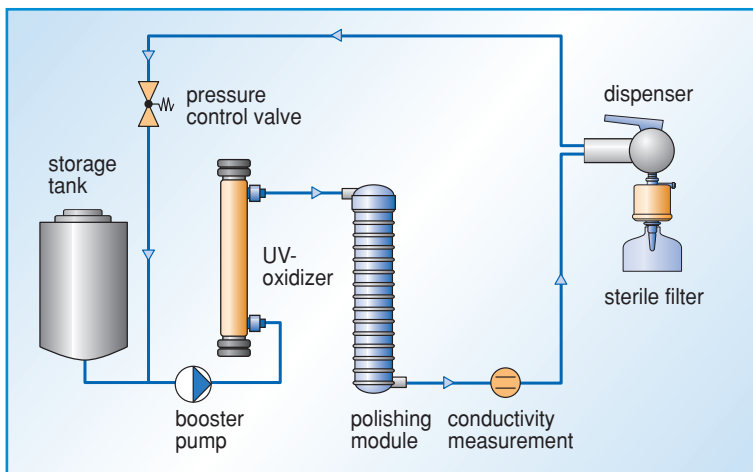
Ready to go – for all needs

This mobile bench device with an integrated tank which can be directly filled with feed water, can cost-effectively produce analytical-grade water with a conductivity of 0.055 $\mu\text{S/cm}$, equivalent to 18.2 $\text{M}\Omega\text{-cm}$. The TOC level is in the range of 1 – 10 ppb,

depending on the used model when fed with deionized water, distilled water or permeate from a reverse osmosis facility. The product water exceeds all relevant standards including ASTM Type I, NCCLS Type I and ISO 3696 Type I. The selection of pure treatment materi-

als in LaboStar 3's polishing module guarantees that the product water meets the highest quality standards. A conductivity measurement constantly monitors the product water in the recirculation loop. A charged 0.2 μm sterile filter at the dispenser removes endotoxins, eliminating the need for an ultrafilter.

Flowsheet LaboStar 3-UV



The advantages in brief:

- 7 liter tank volume
- Suitable for mobile use
- Ultrapure water is ready for use within minutes of filling the tank
- System can be used at different locations
- Easy to extract water using the practical dispenser
- Protective jacket at the end of the sterile filter
- Ultrapure water circulation right into the dispenser head
- Whisper mode
- Conductivity monitoring of ultrapure water
- Rapid and simple disinfection
- Simple module exchange via quick-release connections.

The Labostar water system is delivered with the first set of modules and filters and is ready for use.

Type LaboStar 3...		DI	UV
Ultrapure water specifications			
Output	<i>l/min</i>	1.5	1.5
Conductivity at 25° C	<i>$\mu\text{S/cm}$</i>	0.055	0.055
Resistivity at 25° C	<i>$\text{M}\Omega\text{-cm}$</i>	18.2	18.2
TOC	<i>ppb</i>	5 – 10	1 – 5
Bacteria	<i>cfu/ml</i>	< 1	< 1
Endotoxins with use of SG filter	<i>EU/ml</i>	< 0.001	< 0.001
Particles > 0.2 μm	<i>per ml</i>	< 1	< 1
Feed water specification			
Feed conductivity	<i>$\mu\text{S/cm}$</i>	< 20	< 20
TOC	<i>ppb</i>	< 50	< 50
Silica	<i>ppm</i>	2	2
Temperature	<i>°C</i>	5 – 35	5 – 35
Power supply	<i>V/Hz</i>	100-240 / 50-60	
Dimensions: H/W/D	<i>mm</i>	535/290/400	535/290/400
Shipping weight	<i>kg</i>	21	23
Catalogue Number		2211	2212

Consumables

Item	Cat. No.
Polishing module	2170
Sterile filter, pack of 3	2097
UV replacement bulb	2068

Accessories: wall mount.