

Ultrapure Water System Ultra Clear TWF / El-Ion®, Siemens AG

LaboStar™

Economically priced ultrapure water system for sensitive laboratory applications. The extremely compact ultrapure water system LaboStar™ is a cost-effective means of producing analytical grade water. Can be used as benchtop unit or mounted to the wall. A 0.2 µm charged sterile filter at the dispenser removes bacteria and endotoxins. This makes it possible to produce pure water with an endotoxin content of <0.001 EU/ml without the need for any further investment in an ultrafilter. The LaboStar™ is a treatment system of practical design for cost-effective production of even small amounts of analytical-grade water: 0.055 µS/cm, equivalent to 18.2 MΩ-cm, and TOC of between 1 & 10 ppb, depending on the model. This water quality exceeds all relevant standards incl. ASTM Type I, CLSI & ISO 3696 Type I. Available to produce ultrapure water straight from your drinking water supply. As feed water for the LaboStar™-DI unit, fully demineralized or distilled water or permeate from a reverse osmosis unit is required.

The benefits of LaboStar™:

- Lowest TOC value even with the DI version
- Ultra-pure water for highest demands
- The systems can be fed with tap or pre-treated water
- Practical dispenser for easy withdrawal
- Sterile filter at outlet
- Very quiet operation
- Quick and easy disinfection
- Quick-action couplers for easy replacement of modules
- Conductivity monitoring for infeed water and ultra-pure water
- Inexpensive – ideal for small volumes
- With integrated tank (depending on version)

Technical Data:

Withdrawal rate l/min:	up to 1.5
Conductivity at 25°C µS/cm:	0.055
Resistivity at 25°C MΩ cm:	18,2
TOC:	1–5 / 5–10 (depending on version)
Bacteria KbE/ml:	<1
Particles >0.2 µm per ml:	<1

Feed water specification:

Feed water pressure in bar:	0.1 – 6 (depending on version)
Input conductivity µS/cm:	<20 / <1400 (depending on version)
TOC content ppb:	<50 (depending on version)
Electrical connection V/Hz:	100–240 / 50–60
Unit dimensions, HxWxD mm:	535 × 290 × 320 or 535 × 290 × 400 (depending on version)

Article	Order No.
LaboStar™ DI 2	10 89 02206
LaboStar™ UV 2	10 89 02207
LaboStar™ DI 4	10 89 02216
LaboStar™ UV 4	10 89 02217
LaboStar™ TWF-DI 7	10 89 02231
LaboStar™ TWF-UV 7	10 89 02232

With an inlet pressure of <0.1 bar: 1.2 l/min

Supplied complete with first module and tilter set.

All LaboStar™ systems are also available for wall mounting! Contact us to ask for details!

Accessories

Article	Order No.
DI cartridge	10 89 02160
UV replacement bulb, for systems without TM	10 89 02068
Polishing cartridge HP1 (inorganic applications)	10 89 02172
Polishing cartridge HP2 (organic applications)	10 89 02173
Sterile filter 0.2 µm	10 89 02643
Sterile filter 0.2 µm with endotoxin retention	10 89 02097
Disinfection kit (pack of 3)	10 89 02055
Pre-filter and RO-Module 7 l/h (for TWF model)	10 89 02111

