



## PURE AND ULTRAPURE WATER SYSTEM LABOSTAR 3/7 TWF-DI Or UV

**Produces ultrapure water straight from your drinking water supply**



- A system with a very compact integrated tank which can be fixed on the bench or wall mounting to be installed wherever ultra pure water is needed.
- Available as a tap or pretreated feed system to meet all lab needs
- The DI version produce water from the dispenser with a quality of  $0.055\mu\text{S/cm}$ , equivalent to  $18.2\text{M}\Omega\text{-cm}$ , and  $\text{TOC} < 10$  ppb.
- With UV version  $\text{TOC}$  is  $< 5$ ppb. In this case water quality exceeds all relevant standards including ASTM Type I, NCCLS Type I and ISO 3696 Type I.
- From your water supply produce your own ultrapure water in your workstation
- LABOSTAR systems store some purified water for your current needs, and allow you to reach some freshly produced ultrapure water.
- A conductivity sensor constantly displays the purity of the product water in a recirculation loop.
- A charged  $0.2\mu\text{m}$  sterile filter at the dispenser removes endotoxins, in thresholds lower than  $0,001$  EU/ml bacterial and biological protection.

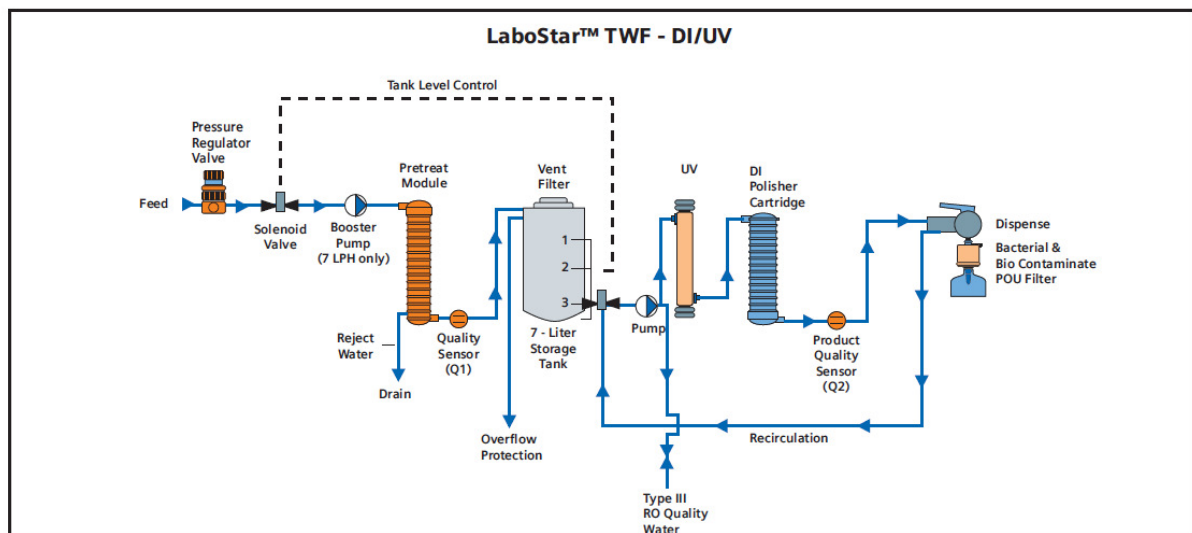
### APPLICATIONS :

AAS, general analysis, standard buffer, GC, IC, ICP, cell and tissue culture, HPLC, PCR, TOC analysis, micro- und molecular biology....

### Advantages and Benefits

LABOSTAR systems include easy push-button operation, continuous system performance monitoring, and simple consumable replacement. A recirculation feature maintains optimal water quality while minimizing bacterial growth. It produce up to 18.2 megohm ASTM, type I, water quality, and the standard positively charged bio-protection filter can achieve  $<0.001$  EU/ml endotoxin levels.

- 7 liter tank volume
- Connection to municipal drinking water supply
- Easy to dispense water using the practical dispenser
- Recirculation of the water up to the point of use
- Measures the quality of the produced water
- 2 qualities of water in 1 device
- Easy to use
- Silencer
- Protection against the bacteriological contaminations
- Rapid and simple disinfection
- Simple module exchange via quick release connections
- Supplied with first set of consumables and basic install materials.



TECHNICAL SPECIFICATIONS			
Model		DI	UV
<b>ULTRAPURE WATER SPECIFICATIONS</b>			
Output water flow	l/min	Up to 1,2	
Permeate rate at 15 °C	l/h	3 ou 7	
Conductivity at 25 °C	µS/cm	0,055	
Resistivity at 25 °C	MΩ-cm	18,2	
TOC	ppb	5-10	1-5
Bacteria	cfu/ml	<1	
Endotoxins	EU/ml	<0,001	
Particles > 0,2 µm	per ml	< 1	
<i>Conductivity of input water is reduced by 98%</i>			
<b>FEED WATER SPECIFICATIONS</b>			
Feed water pressure	bar	3-5	
Feed conductivity	µS/cm	<1400	
Temperature	°C	5-35	
Power supply	V/Hz	100-240 / 50-60	
Dimensions H/l/P	mm	535/290/400	
Weight	kg	24	25
<b>PRODUCT NUMBER</b>			
LABOSTAR 3 TWF	3 l/h	2221	2222
LABOSTAR 6 TWF	6 l/h	2231	2232



CONSUMABLES		
Product Number	Description	Periodicity
2172 Low Inorganics DI Model	Polishing module (PMIII) : purification cartridge, constituted with activated charcoal, then an ions exchange resin of nuclear quality, remove the last tracks of organic, ionic matters, colloidal and microorganisms.	Depend of your ultra-pure water production
2173 Low organics DI/UV Model	Polishing module (PMIII) : purification cartridge, constituted with activated charcoal, then an ions exchange resin of nuclear quality, remove the last tracks of organic, ionic matters, colloidal and microorganisms.	Depend of your ultra-pure water production
2111	Pre-treatment Cartridge (MPT3/7) : Activated charcoal pre-treatment cartridge, 5 microns filter, and additional media. The reverse osmosis membrane exchangeable retaining dissolved salt and organics matters.	24-36 months
2097	Sterile filter DF02+ (pack of 3) : antibacterial filter 0.2 micron for endotoxins removal P.O.U	12 months
2068	UV replacement bulb (for UV version)	6 months

Note : Consumable change frequency information is average and can vary : it depend on your municipal