



LABORATORY LINES

WATER SYSTEMS



Kalstein®

A different accompaniment, at your service





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A different accompaniment, at your service

OUR SERVICES

Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers



Quick Response

Our work team is always available to response all your consults or questions, in order to support you in any situation.



#Letsgivemore ♥

Thanks to your purchase, a donation is made to a non-profit foundation that fights against cancer and helps vulnerable communities.



Technical Support

Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.



Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or air.



Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



KALSTEIN® Mini Water Purification System Series YR53/ YR53-1

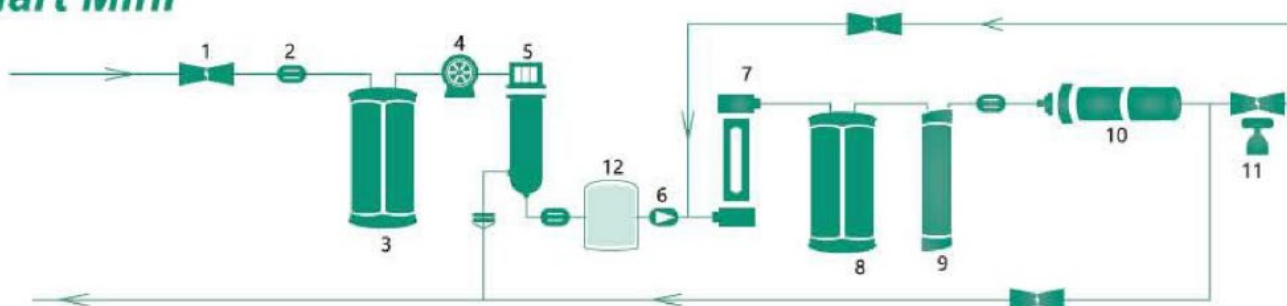
Many laboratories require ultra-pure water every day - for HPLC or for other instrumental analyses- but only as small volumes at a time, up to a total of a few liters at the most.

However, this is no reason to do without professional, freshly-prepared ultra-pure water and buy expensive HPLC water. After all, with the repeated taking of small volumes from an HPLC water container, the quality of the water and the TOC-value no longer fulfil the specifications. The ultra-pure water is no longer ultra-pure!

Always fresh, Always available in the volume required. Always with the required quality and always for only a few cents per liter!



Smart Mini



- | | |
|------------------------|-------------------------------------|
| 1 Solenoid Valve | 7 Dual Wave UV Cartridge |
| 2 Conductivity Sensor | 8 Purification Module |
| 3 Pre-treatment Module | 9 Ultra-Purification Module |
| 4 Boost Pump | 10 Micro/ultra Filtration Cartridge |
| 5 RO Module | 11 Point-Of-Use Filter |
| 6 Ball Valve | 12 Internal Water Tank(6L) |



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KALSTEIN FRANCE, S.A. S



KALSTEIN® Mini Water Purification System

Series YR53/ YR53-1

Configuration

SMART MINI system	YR53/ YR53-1
Pretreatment module	o/o
High pressure pump	o/o
Reverse osmosis	o/o
Dual wavelength UV-lamp	o/o
Ultra-purification cartridge	o/o
Microfiltration cartridge	o/-
Ultrafiltration cartridge	- /o
Point-of-use filter	o/o
Internal Water Tank	o/o



Model	YR53/ YR53-1
Feed Water Requirement	
Source	Tap water
Conductivity*	<2000us/cm
Hardness**	<450ppm as CaCO3
Pressure	0.05~0.5MPa(7-72psi)
Temperature	5~40 °C
Purification Water(Class III)	
Ionic Rejection	>95%
Bacteria Rejection	>99%
Conductivity	1~20us/cm(RO-2 5us/cm)
Productivity Rate	30L/h
Ultrapurification Water(Class I)	
Resistivity At 25 °C	18.2MΩ.cm
Conductivity At 25 °C	0.055us/cm
TOC Level***	1~5ppb
Endotoxin(Pyrogens)	N/A / < 0.001EU/ml
Particulate(≥0.02um)	<1pc/ml
Bacteria***	<0.1cfu/ml
Rnase / Dnase**	N/A / Free

Ultrapurification Water(Class I)	
Manual dispense flow rate	1.2~1.5L/min
Automatic dispense volume	100~60000ml
Electrical Requirements	
Electrical Voltage	110V/220V±10%
Electrical Frequency	50HZ/60HZ
Packing Information	
Net Weight	
Main units	32kg
Water tank	N/A
External Dimensions(W×D×H)	
Main units	315×525×570mm
Water tank	N/A
Shipping weight	
Main units	45kg
Water tank	N/A
Shipping Dimensions(W×D×H)	
Main units	525×610×770mm
Water tank	N/A

* If feed water quality is poor(Conductivity>1000us/cm), strengthened pretreatment module and RO-2 type is highly recommended

** When hardness of feed water is high(>450ppm as CaCO3), 0.5T water softener is recommended

*** Dual wave UV module need to be adopted. Also dependent on feed water, recommended feed TOC<30ppb



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#LETSGIVEMORE 

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Solidarité et coopération
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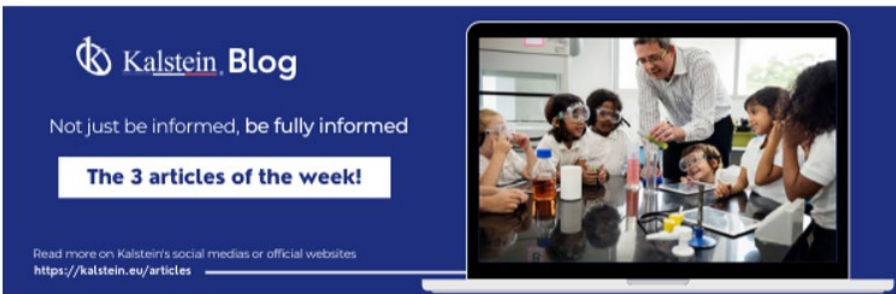
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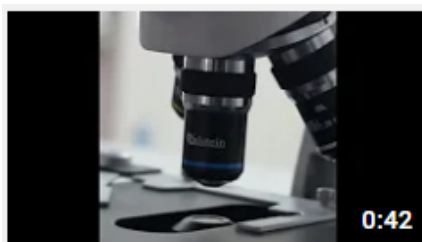
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