



A different accompaniment, at your service



 **Kalstein**®

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LABORATORY SECTOR
WATER SYSTEMS

www.kalstein.net/en/



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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.



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Thanks to your purchase, a donation will be made to a non-profit foundation that fights against breast cancer and helps most 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® Water Systems

Water Purification System

Model YR55 // YR55-3



Product Description:

Atomic absorption/emission spectroscopy, mass spectrum, TOC detection, environmental monitoring, biochip development, trace organic matter analysis

Features:

- ✓ Colored touched screen, humanized operation interface make users completely monitor controller's working status and real-time data.
- ✓ ABS engineering plastic case, powder coating technology, with water quality and quantity upgrading function, self-priming door.
- ✓ Type U Korean quick-insert filters, used imported filtering materials.
- ✓ Upgraded self-cleaning filter which with design of built-in 10" 10µm stainless steel filter mesh and silicone soft scraping, it can clean anytime, perfectly replace PP cotton filter, no need exchange.
- ✓ Long-acting KDF filter whose adsorption efficiency and lifetime are more than 10times as equal quantity activated carbon filter's, this avoid frequent filter replacement.
- ✓ Imported UF ultra filtration column ensure meet request for removing pyrogen and RNA.
- ✓ Built-in pressure tank which has inner pouch whose material is anti-bacteria and it is transparent, the inner pouch can be changed anytime.
- ✓ Inbuilt feed water pressure test gauge to real time monitor tap water pressure and filters blocking.
- ✓ Lifetime of PP cotton, activated carbon filter, RO membrane and ultra purification columns can be set to display the elapsed rest time of consumables. Automatic reminder for filter replacement to avoid water quality decreasing.
- ✓ Feed water, RO and UP water three ways water quality sensor and five ways switches signal are accessed integrated, with functions of timing quantitative water taking.
- ✓ Equipped with USB Host interface, it supports data export function of historical alarm record and historical water intake record Low-voltage 24VDC is used as the main power supply, which meets the safety regulations and meets the requirements of humid environment, and will not cause personal injury.
- ✓ Can be with inner circulation system to ensure water quality keep at the highest level. (optional)



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KALSTEIN® Water Systems
Water Purification System
Model YR55 // YR55-3



Technical Description:

Model	YR55	YR55-1	YR55-2	YR55-3
Inlet water source	Urban tap water, inlet water pressure: 0.15-0.5MPa, water temperature 5-40°C			
Water flow speed	1.5-2L/min (with pressure barrel)			
Machine capacity	15 L/H	15 L/H	15 L/H	15 L/H
Output	RO water: Conductivity 1-5 µS/cm (ASTM type III water)			
Water quality	UP water: resistivity 18.25MΩ.cm@25°C (ASTM type I water)			
	TOC: <3 ppb, particles (>0.22 µm) <1/ml, microorganism <1 cfu/ml			
Total organic carbon (TOC)	<10 ppb		<3 ppb	
Pyrogen (endotoxin)	N/A	< 0.001 Eu/ml	N/A	< 0.001 Eu/ml
Ribonuclease (RNases)	N/A	<1pg/ml	N/A	<1pg/ml
Deoxyribonucleases	N/A	<5pg/ml	N/A	<5pg/ml



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