



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® Water Purification System

Series YR55/ YR55-2/ YR55-3

The Water Purification System integrated electrodeionization technology to produce ultrapure water. Consistently delivering water purity of 18.2MΩ.cm and underpinned by the advanced technologies. EDI technology brings benefit including low energy consumption, lower maintenance cost, better ion exchange and no particulates or organic contamination.

Typical scientific applications:

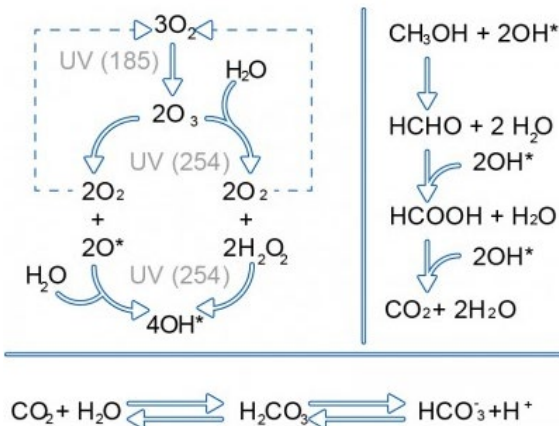
- ✓ ICP-MS(Inductively Coupled Plasma Mass Spectrometry)
- ✓ Molecular biology techniques
- ✓ Ultra trace analysis
- ✓ Electrochemistry
- ✓ Electrophoresis
- ✓ GFAAS(Graphite Furnace Atomic Absorption Spectrophotometry)
- ✓ HPLC
- ✓ IC(Ion Chromatography)
- ✓ ICP-AES(Inductively Coupled Plasma Atomic Emission Spectrometry)
- ✓ Mammalian and bacterial cell culture
- ✓ Molecular biology
- ✓ Plant tissue culture
- ✓ Qualitative analysis



What benefits you can get

- ✓ Constant high efficient removal of ions and small MW charged organic (Resistivity > 10 MΩ-cm)
- ✓ No exchange of spent resins
- ✓ No regeneration chemicals
- ✓ Low energy consumption
- ✓ Typical <10 watt light bulb
- ✓ Low operating cost and low maintenance

Online TOC for prevention of organic breakthrough



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KALSTEIN® Water Purification SystemSeries **YR55/ YR55-2/ YR55-3**

<i>Model</i>	
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
Productivity Rate	30L/h
High Quality Purification Water(Class II)	
Resistivity At 25°C	10MΩ.cm
TOC	<30ppb
Dissolved Organic	<0.1ppm
Productivity Rate	15L/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)****	<0.001EU/ml
Particulate(≥0.02um)	<1pc/ml
Bacteria***	<0.1 cfu/ml
Rnase / Dnase**	Free
Manual dispense flow rate	1.5~2.0L/min
Automatic dispense volume	100~60000ml
Electrical Requirements	
Electrical Voltage	110V/220V±10%
Electrical Frequency	50HZ/60HZ
Packing Information	
Net Weight	
Main units	35kg
Water tank (30L)	7kg
External Dimensions(W×D×H)	
Main units	315×525×570mm
Water tank (30L)	380×380×595mm
Shipping weight	
Main units	37kg
Water tank (30L)	15kg
Shipping Dimensions(W×D×H)	
Main units	525×610×770mm
Water tank (30L)	520×440×615mm

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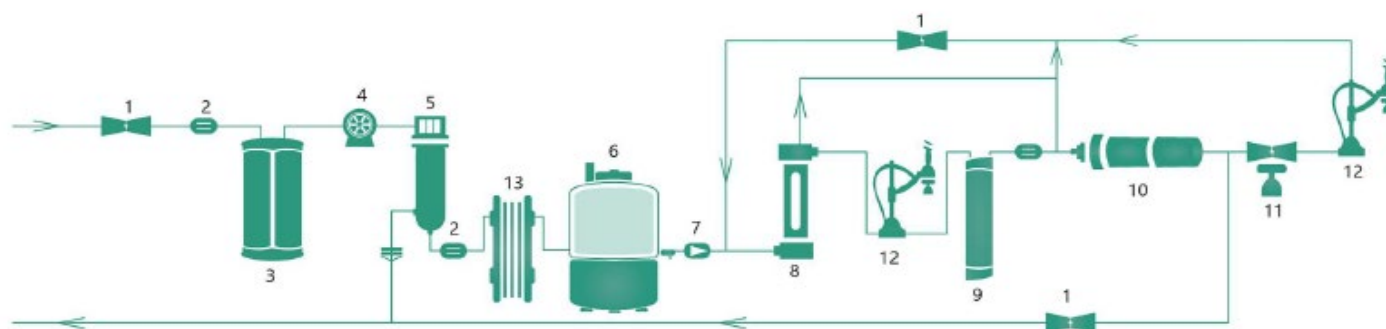


KALSTEIN® Water Purification System Series YR55/ YR55-3



Parameters per Model

Modelo	YR55, YR55-1, YR55-2, YR55-3
Inlet Water Requirement	>1.0kg/cm2, 10~40°C, tap water, >1.0kg/cm2, 10~40°C
Output (pure water)	15 L/hr
TOC	1~10ppb
Pyrogens	< 0.001EU/ml
Measure	525x610x770mm (main unit) 500x420x595mm (water tank) 585x410x260mm (dispenser)
Weight	39KG (main unit) 9KG (water tank) 4KG (dispenser)



- 1 Solenoid Valve
- 2 Conductivity Sensor
- 3 Pre-treatment Module
- 4 Boost Pump
- 5 RO Module
- 6 Water Tank
- 7 Ball Valve
- 8 Dual Wave UV Cartridge
- 9 Ultra-Purification Module
- 10 Ultra-Filtration Cartridge
- 11 Point-Of-Use Filter
- 12 Remote Water Dispenser
- 13 EDI Module



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Humatem

Solidarité et coopération
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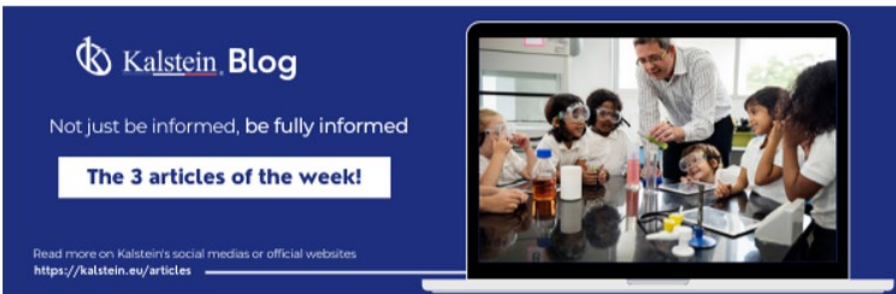
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MONTPELLIER - FRANCE
HEADQUARTER
Optimum Business Center,
450 Rue Baden Powell,
34000 Montpellier - France.

Fax: +33 (0) 4 67 15 88 49
Tif: +33 (0) 6 80 76 07 10
sales@kalstein.eu

<https://kalstein.eu/>
<https://www.kalstein.fr/>

Official Websites for Latin America.

