



# LABORATORY SECTOR

MUFFLE



## Kalstein®

A different accompaniment, at your service





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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.



### #Letsgivemore

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® Muffle**  
**Laboratory Muffle Furnace**  
**Model YR05284-1**



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**KALSTEIN FRANCE, S. A. S.**



## KALSTEIN® Muffle Laboratory Muffle Furnace Model YR05284-1



### Furnace Structure and Chamber:

High purity fibrous alumina insulation for maximum energy saving 60-80% less power consumption than other old style. Heavy duty double layer structure with cooling fan to keep furnace exteriors safe to touch.



### Technical Description:

|                                       |  |
|---------------------------------------|--|
| <b>Model</b>                          | YR05284-1  |
| <b>Rated voltage</b>                  | AC 380V 3 phase or 1 phase 50/60Hz   |
| <b>Power</b>                          | 18kw   |
| <b>Chamber size</b>                   | 400x400x400mm, 64L   |
| <b>Max. Temperature</b>               | 1700 °C  |
| <b>Continuous working temperature</b> | 1600 °C  |
| <b>Max. Heating Rate</b>              | 30 °C /min; Suggest to use 10°C/min under 1400°C, 1400°C-1600°C 5°C/min, >1600°C 2°C/min;  |
| <b>Temperature controller</b>         | PID automatic control and auto-tune function. 30programmable segments for precise control. Built in protection for over-heatingand broken thermocouple |
| <b>Temperature Accuracy</b>           | +/- 1°C  |
| <b>Heating Element</b>                | MoSi2 heater   |
| <b>Thermocouple</b>                   | B type   |
| <b>Standard parts</b>                 | Reserve heater 2pcs, crucible tongs 1pc, asbestos gloves 1pair , one user manual   |



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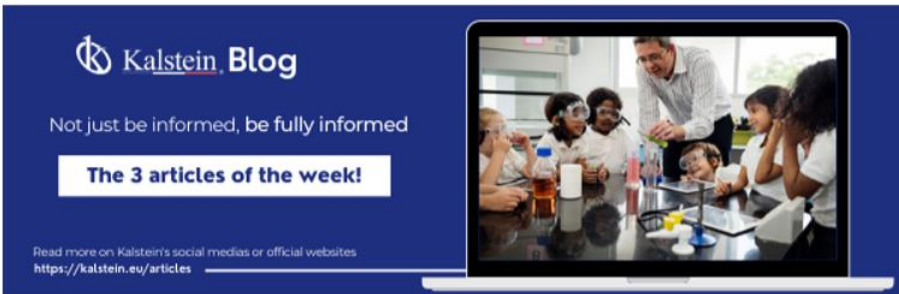
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