

SalvisLab Vacucenter –
Heating Technology with Swiss Precision



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Vacuum dryer for delicate goods

The SalvisLab Vacucenter represents the optimal solution for oxidation-sensitive substances and thermally instable products. It provides precise thermal conditions in dust-free vacuum atmosphere. These characteristics enable highly successful SalvisLab Vacucenter applications for a wide range of laboratory applications in areas such as chemical engineering, pharmaceuticals, foodstuffs, cosmetics and electronics. The carefully designed wall heating system may be controlled to within 0.1°C and ensures stable temperature conditions over the entire Vacucenter chamber ranging up to +200°C.



■ **GLP/GMP conformity**
SalvisLab Vacucenters meet GLP and GMP standards.



■ **Safety on all levels**
The Vacucenters feature an exclusive pressure safety system with door safety catch. The sight window consists of double pane safety glass. Heating without vacuum is prevented by means of a pressure threshold switch (option). Upon door opening, the heating system is immediately turned off. SalvisLab Vacucenters are classified in Safety Class 3.1.



■ Turbulence-free return to ambient atmosphere

Return to atmospheric pressure is enabled by means of a precision needle valve for ambient air or inert gas. A cleverly designed input jet behind a fender plate permits pressurisation of the chamber without causing turbulence.



■ SalvisLab EasyMenu with vacuum level control

In a series of easy to comprehend steps, the exclusive SalvisLab EasyMenu leads the user through application and programming of the Vacucenter. The PID controller featuring fuzzy logic characteristics controls temperature, timing and even the evacuation level. Fifty programs consisting of 15 program steps each are at your disposal for a program duration of up to 999 hours.

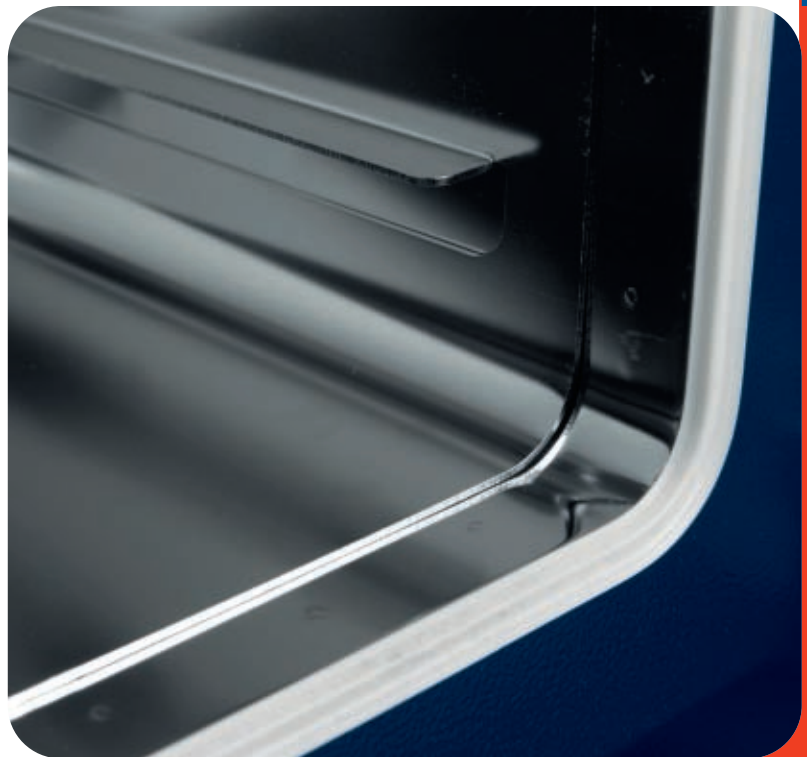


■ Easy cleaning

For cleaning purposes, the insert brackets may be removed with just a few easy steps. Inside the chamber, all transitional areas between walls, ceiling and chamber floor are designed with convenient radii to enable easy and efficient cleaning.

■ High Quality Design

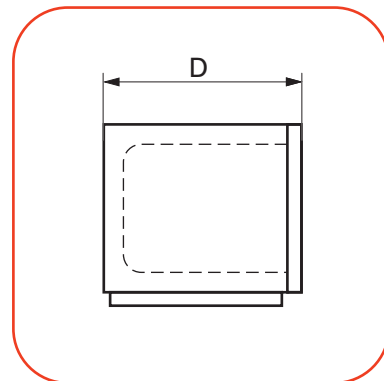
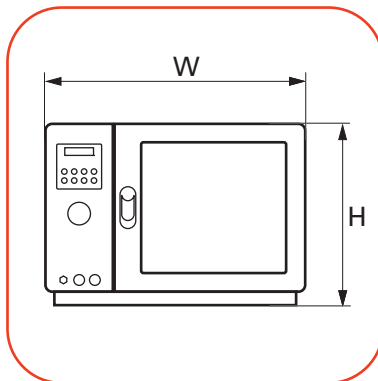
The chamber interior as well as ducting and valves are made of high quality stainless steel. The insert panels consist of anodised aluminium, thus enabling efficient heat transfer and best resistance for chemicals.



Technical Data SalvisLab Vacucenter



■ **Pressure and temperature performance**
 Constant chamber temperature and vacuum level are made possible by means of a door seal made of Silicon or Viton™. To maintain proper performance, the door seal may easily be removed for cleaning.



Technical Data's Vacuum Drying Oven

		VC 20	VC 50
Outer Dimension (WxHxD)	mm	545x375x425	645x475x525
Installation: Wall distance from the back	mm	50	50
Installation: Wall distance from the side	mm	50	50
Inner Dimension (WxHxD)	mm	250x250x320	350x350x420
Internal volume	l	20	50
Shelves	standard/max	1/3	1/5
Load per shelf	kg	20	20
Weight (empty)	kg	48	62
Temperature range approx. 5°C over RT to	°C	200	200
Temperature deviation ¹⁾ at 50°C	± °C	1.0	1.0
Temperature deviation ¹⁾ at 100°C	± °C	1.7	1.9
Temperature deviation ¹⁾ at 150°C	± °C	2.4	2.6
Temperature fluctuation ²⁾ at 150°C	± °C	0.2	0.2
Heating up ³⁾ to 70°C / to 150°C	Min	39/58	42/106
Power supply (±10%) 50/60Hz	V	230/115	230/115
Nominal wattage	W	900	1200
Heat radiation at 100°C / at 150°C	W	185/243	205/286
Equipment			
Microprocessor - Temperature Controller with LCD		Yes	Yes
Timer	Hours/Min	0-999h / 59Min	0-999h / 59Min
Printer - Communication Interface RS 232		Yes	Yes
Adjustable Print Interval		Yes	Yes
Programming	Program/Step	50/15	50/15
Ramp function adjustable in steps of	°C	0.1	0.1

Note: technical data subject to change without prior notice.

¹⁾ Measure with 3 temperature probes on horizontal level / divided in 1/3 of the chamber size

²⁾ Maximum temperature deviation in time for one temperature probe

³⁾ to 98% of set temperature

All technical specifications are specified for units with standard equipment at an ambient temperature of 25 °C (77 °F) and a Voltage fluctuation of ±10%. The temperature data are determined in accordance to following DIN 12880, part 2 respecting the recommended wall clearances of 10% of the height, width and depth of the inner chamber. All indications are average values, typical for units produced in series. We reserve the right to alter technical specifications at all times without prior notice.

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Manufacturer:
 Renggli AG
 Industrie-Ost
 CH-6343 Rotkreuz (Switzerland)
 Phone +41 (0)41 798 14 14
 Fax +41 (0)41 798 14 40
 salvislab@renggli.com
 www.salvislab.com