

SalvisLab Vacucenter –
Heating Technology with Swiss Precision



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salvisLAB

Vacuum dryer for delicate goods

The SalvisLab Vacucenter is 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 wall heating system can be controlled within 0.1°C and ensures stable temperature conditions over the entire Vacucenter chamber, ranging up to +200°C.



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



■ **Safety on all levels**

The Vacucenter feature an exclusive pressure safety system with door safety catch. The viewing window consists of double glaze safety glass. Heating without vacuum is prevented by means of a pressure threshold switch (option). When opening the door, the heating system immediately turns off. SalvisLab Vacucenter 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**

In a series of plain 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 optional 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 High Quality Design**

Inside the chamber, all transitional areas between walls, ceiling and chamber floor are designed with convenient radii to allow easy and efficient cleaning. The chamber interior as well as ducting and valves are made of high quality stainless steel. The insert panels consist of anodised aluminium, thus assures efficient heat transfer and best resistance for chemicals.



■ **Pressure and temperature performance**

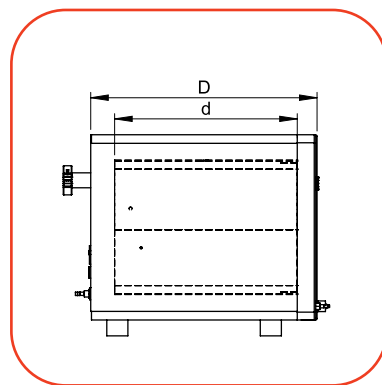
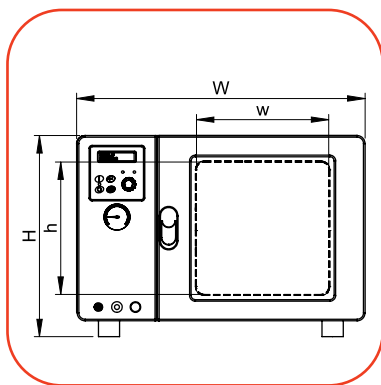
Constant chamber temperature and vacuum level are permitted by means of a door seal made of Silicon or Viton™. To maintain proper performance, the door seal may easily be removed for cleaning.

■ **Communications interface**

The bi-directional RS 232 interface enable connection of exterior equipment for programming and evaluation. SalvisLab software «STS» is optionally available for programming and data logging according to 21 CFR part 11 (GLP/GMP/FDA conform).



Technical Data SalvisLab Vacucenter



Vacucenter

		VC 20	VC 50
Outside dimensions (WxHxD)	mm	545x375x425	645x475x525
Clearance distance from back/side wall	mm	50/50	50/50
Inside dimensions (wxhxd)	mm	250x250x320	350x350x420
Internal volume	l	20	50
Shelves	standard/max	1/3	1/5
Shelf dimension (WxD)	mm	300x240	400x341
Distance between shelves	mm	57	54
Max. load per shelf	kg	20	20
Max. load per Vacucenter	kg	37	47
Weight Vacucenter (empty)	kg	48	62
Temperature Range approx. >5°C oRt to	°C	200	200
Temperature variation ¹⁾	at 50/150°C ± °C	1.0/2.4	1.0/2.6
Temperature fluctuation ²⁾	at 150°C ± °C	0.2	0.2
Power supply (± 10%) 50/60 Hz	volt	230/115	230/115
Nominal wattage	watt	900	1350
Entry port	mm	NW 25	NW 25
Energy consumption	at 100/150°C watt	185/243	205/286
Microprocessor temperature controller LCD display		yes	yes
Timer	hours/min.	999/59	999/59
RS 232 interface		yes	yes
Adjustable print interval		yes	yes
Programming	program/step	50/15	50/15
Ramp function		yes	yes
Safety class	class	3.1	3.1

1) measure with 3 temperature probes on horizontal level / divides in 1/3 of the chamber size

2) maximum temperature deviation in time for one temperature probe

We reserve the right to alter technical specifications at any time without prior notice.

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