

SalvisLab Cleaners –  
Quiet and Efficient – Typical Swiss Precision



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salvisLAB

## Washing and cleaning with intelligence

SalvisLab glassware washing systems are available in a variety of designs such as built-in under sinks or as free standing models with rugged stainless steel top covers.



**SC 550**  
SalvisLab glassware  
washing system

**SCD 550**  
with room and jet  
drying feature



### ■ Design features

Outer housing, wash chamber and inner door are made of high quality stainless steel (type 1.4301). For enhanced cleaning performance, both models are equipped with an automatic regeneration unit for cold and warm water. The SC 550, SCD 550 and SCD 900 do not need to be connected to a building side air exhaust system.

### ■ Washing system with dual loading level

The washing principle is accomplished by means of one rotary spray arm at the bottom of the wash chamber and one at the upper basic basket.

#### ■ Lye contamination

Placing a powerful drain pump at the lowest point of the tank and an associated check valve minimizes the risk of lye contamination.

In addition, at the beginning of each program cycle, the drain pump is activated for 20 seconds, thus draining off initial quantities of freshly added water.



#### ■ Drying SCD 550/900

Following the final rinse, combined room and jet drying carries hot air through the wash chamber and the jet pipe rack. A dust filter protects the intake port.

Temperature range is 40°C to 85°C. Air capacity approx. 115 m<sup>3</sup>/h, heating power 1.4 kW.

A water-cooled steam condenser placed in the exhaust duct prevents excessive steam generation in the early phase of the drying cycle.

#### ■ Tank heating of SalvisLab systems 550/900

A flow through heater installed outside the wash chamber guarantees ideal heat transfer during the heating phase while preventing steam generation. The wash chamber bottom is free of any obstruction, thus promoting easy cleaning.



**SCD 900**  
Washing and drying  
with integrated  
detergent compartment

# SalvisLab Cleaner SC Combi

## SC Combi

The SalvisLab glassware washing automat featuring room and jet drying meets even the highest requirements.



### ■ Drying SC Combi

Combined room and jet drying promotes efficient drying even of narrow throat wash goods and hollow spaces within minimal cycle time. Processed wash goods are dried by means of the pipe and jet system using sterile filtered hot air (HEPA). Temperature range: 40°C to 93°C, air capacity approx. 150 m<sup>3</sup>/h, heating power: 3,5 kW.

### ■ Exhaust air connection

Depending on design model, the SC Combi may be connected to a building side air exhaust system.

### ■ Tank heating SC Combi

A recessed heater in the wash chamber bottom provides heating. A fine mesh screen protects the heating element.

### ■ Ecology in the washing process

The SC Combi features cleaning by rotary spray arms at bottom and top of wash chamber plus at the upper basic basket.

Exterior and interior washing of narrow throat wash goods is assured by our smart design of hollow conduit jets in combination with the integrated lower and upper rotary spray arms.

Fully automatic connection of basic baskets or jet pipe racks. At time of rack change, disconnect and reconnect activities are accomplished without loss of water.

Separate recirculation and drain pumps prevent cross contamination during the washing cycle.

Water intake is controlled to be proportional to the wash goods batch size.

# SalvisLab Cleaners are available for a wide variety of applications

## ■ Water softener

For enhanced cleaning performance, each machine is equipped with an automatic regeneration unit for cold and warm water.

## ■ Liquid dosing

As standard equipment, each machine features liquid dosing of detergent and neutralising agent. This allows for exact supplying of the required quantities of wash additives, resulting in optimal process results.



## ■ Safety

Door safety contacts, motor protective switches, thermal door interlocks as of 70°C, overheating protection, dry run protection, time monitored water intake and drainage as well as a leak sensor are standard equipment with every SalvisLab glassware washing machine.



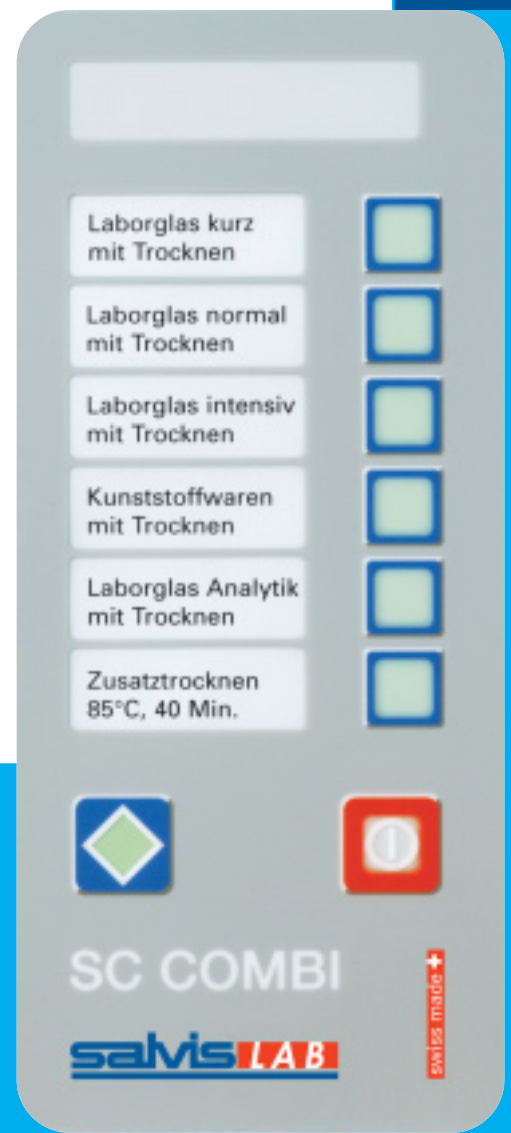
## ■ Efficient service and maintenance

Pumps, filters and control unit are intelligently located for easy maintenance.

The standard interface RS232 facilitates analysis of all incidents. The interface also serves for connection with a printer.

## ■ Programming

Program control is fully automatic and includes a minimum of six standard programs that may be adjusted individually according to the degree of contamination of the wash goods. Deviations from target values and other irregularities are displayed immediately. Situations leading up to a machine error are thus diagnosed early. All program steps as well as target and actual temperatures are indicated on the display. The operator is permanently kept informed about the active wash cycle. A programmable start-up delay permits operation of the machine in absence of the operator.



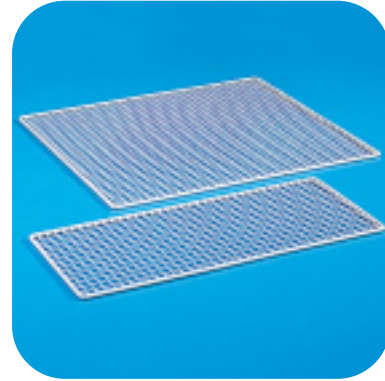
# Accessories for any types of application



■ **Laboratory top basic basket with spray arm**



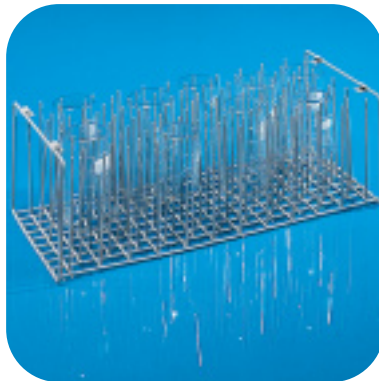
■ **Laboratory bottom basic basket**



■ **Cover mesh**



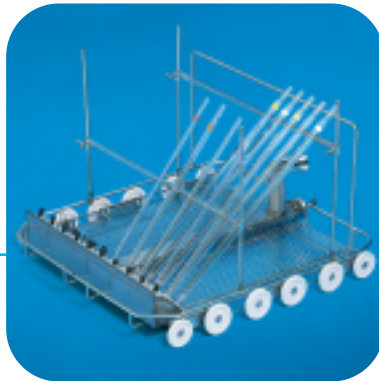
■ **Grid baskets with lid**



■ **Special insert for beaker glasses**



■ **Special insert for medium flasks**



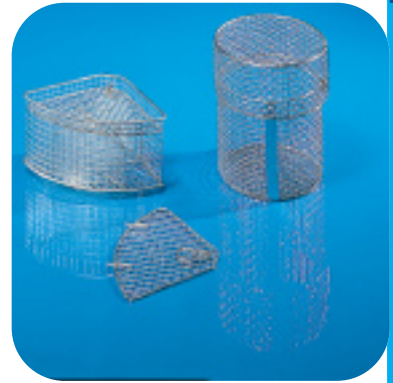
■ **Injector rack designed for washing of pipettes (mixed lengths)**



■ **Jet pipe rack**  
with assorted jets



■ **Individual and double jets**  
for jet pipe rack



■ **Test tubes baskets**  
round and segment shaped



■ **Special insert**  
for pipette washing

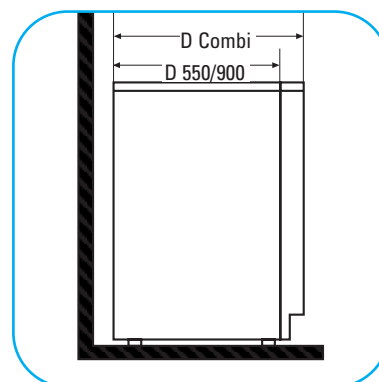
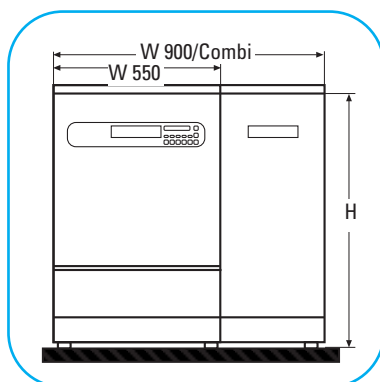


■ **Petri dish insert**



■ **Needle inserts**  
fluted for top and bottom  
basic basket

# Technical Data SalvisLab Cleaners



	SC 550	SCD 550	SCD 900	SC Combi
Outside dimensions (W x H x D) mm	552x845x630	552x845x630	900x845x630	900x850x700
Inside dimensions (w x h x d) mm	480x505x517	480x505x517	480x505x517	544x508x506
Material outer housing	1.4301	1.4301	1.4301	1.4301
Material inner housing	1.4301	1.4301	1.4301	1.4301
Weight (kg)	68	70	74	105
Power data V/kW/A	400/7.3/16	400/7.3/16	400/7.3/16	400/10.5/16
Water connections "G"	3/4	3/4	3/4	3/4
Drain connection Ø in mm	19	19	19	19
Storage cabinet for detergent/neutraliser additives	–	–	Yes	Yes
Wash programs	7 (12)	7 (12)	7 (12)	6
Wash temperature °C	40 - 85	40 - 85	40 - 85	40 - 93
Max. DI wash cycle	2	2	2	4
Detergent dosing	Liquid dosing pump	Liquid dosing pump	Liquid dosing pump	Liquid dosing pump
Neutraliser dosing	Liquid dosing pump	Liquid dosing pump	Liquid dosing pump	Liquid dosing pump
Water softener	Yes	Yes	Yes	Yes
Jet pipe drying	–	Yes	Yes	Yes
HEPA filter % at 0.33 micron	–	–	–	99.999
Steam condenser	–	Yes	Yes	–
Heat radiation free standing (+/- 100) W	400	400	400	400
Noise emission dB(A)	62	62	62	65
Door opening	Manuel	Manuel	Manuel	Manuel
Recirculation pump capacity l/min	300	300	300	650
Recirculation pump power W	370	370	370	730
Material pump impeller	Ryton	Ryton	Ryton	Ryton
Water heater power kW	3x 2.3	3x 2.3	3x 2.3	9.5
Length of spray arm mm	476	476	476	480
Power rating drain pump W	50	50	50	150
Power rating dryer heater kW	–	1.4	1.4	3.5
Air capacity of dryer m³/h	–	115	115	150

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Note: technical data subject to change without prior notice.

**salvisLAB**

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