

Rotary evaporator
RS 100 PRO

RS *Lab*



model RS 100-PRO

We present the new rotary evaporator RSLAB model RS 100-PRO which expands our product line of evaporators. It includes some innovation : a wide operating panel with large LCD display for a digital control of lot of parameters as speed, temperature, timer.

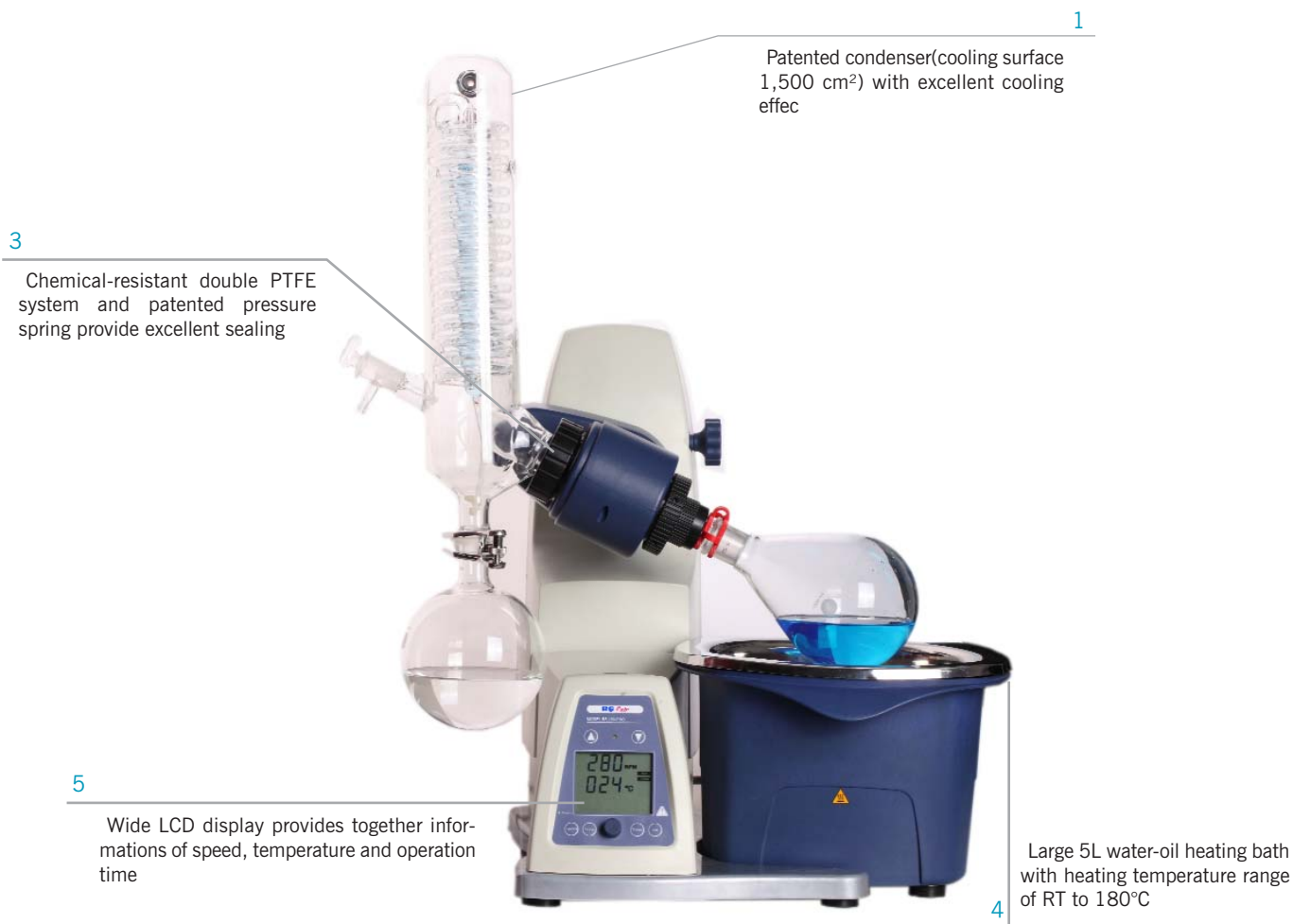
Its range of applications is very large and provides reactions of distillation and separation liquid / liquid, liquid / solid, etc. This model can be used in many fields such as chemistry and biochemistry, food, industrial processes, research and education.

FEATURES

- [01] Wide LCD display provides together informations of speed, temperature and operation time .
- [02] Speed range from 20 up to 280 r.p.m.
- [03] Large 5L water-oil heating bath with heating temperature range of RT to 180°C
- [04] Digital temperature control and adjustable safety circuit
- [05] Designed a wide operating panel with a multi-parameters display
- [06] Patented condenser(cooling surface 1,500 cm²) with excellent cooling effect
- [07] Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure
- [08] Adjustable final position recognition to protect operator and sample against breakage
- [09] Evaporating flask with an ejector, convenient to remove
- [10] Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing
- [11] PC can control and document all parameters via USB



Rotary evaporator RS 100-PRO



technical specifications

Code	59400330
Power [W]	1400
Motor	DC brushless motor
Speed range [r.p.m.]	20 - 280
Reversible direction of rotation	Yes
Temperature [°C]	RT - 180
Heat control accuracy [°C]	+/- 1
Temperature display	LCD
Lift	Motorized
Stroke [mm]	150
Timer	Yes
Time setting range [min]	1 a 999
Dimensions [D x P x H mm]	465x457x583
Weight [Kg]	15
USB	Yes
Protection Class acc. DIN EN60529	IP20

Display

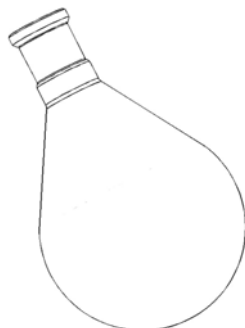


Rotary evaporator RS 100-PRO

Accessories / spare parts

Evaporating flask 29/32

Code	Volume
18014150	50 mL
18014211	100 mL
18014221	250 mL
18014251	500 mL
18014311	1000 mL
18014320	2000 mL

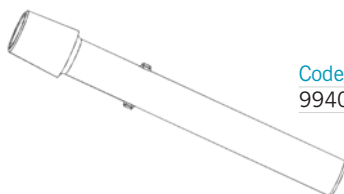


Receiving flask 35/20

Code	Volume
99410210	100 mL
99410220	250 mL
99410250	500 mL
99410310	1000 mL
99410320	2000 mL

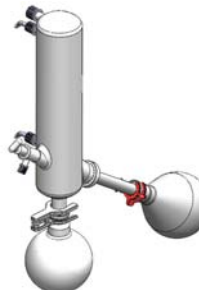


Vapor tube 29/32



Code	NS
99400014	NS 29/32

Vapor tube 29/32



With condenser, evaporating flask 29/32 and receiving flask 35/20

Code	Type
99400000	Glassware

Connector



Code	Rodage
99400010	29/32, 24/29
99400011	29/32, 19/26
99400012	29/32, 14/23

Spider with 5 flasks



Code	For flasks*
99400150	50 mL 29/32*

* (without flasks)

Foam brake 29/32



Code	Volume
99400013	250 mL

Seal



Code	Type
99400015	Glassware

Accessory : vacuum pump



Code	59001020	59001035
Model	N-820	N-840
Vacuum pump rate to 1Atm	20L/min - 1,2m ³ /h	34L/min - 2,04m ³ /h
Vacuum limit absolute	8 mbar	8 mbar
Tube connection, Ø. interior	10 mm	10 mm
Number of head and phase	2	2
Head material	PTFE	PTFE
Membrane material	PTFE	PTFE
Valve material	FFPM	FFPM
Motor protection level	IP 44	IP 44
Dimensions [H x W x D cm]	21 x 15 x 31	23 x 17 x 34
Weight [Kg]	9,3	12,6



Code	59001225	
Maximum vacuum	13 mbar	
Pump speed	0 mmHg	25L/min
	100 mmHg	22L/min
	200 mmHg	20L/min
	300 mmHg	12L/min
	400 mmHg	7.5L/min
	550 mmHg	5L/min
Suction nozzle size	8 mm	
Motor speed	1450 rpm	
Weights [Kg]	7	

digital vacuum regulator



Code	59400332
Model	DV380
Display	The default display is the pressure in the attached piece of equipment in units of mm of Hg (torr).
Modes of regulation	<p>Meter: Evacuates the attached equipment to the set point pressure entered in the controller.</p> <p>Off: Isolates the vacuum pump from the attached equipment. In this position the equipment can be opened to the atmosphere while the vacuum pump is running.</p> <p>Full vacuum: Opens the regulator continuously to the vacuum pump (independent of set point pressure). The pressure in the attached equipment is lowered to the limit achievable by the vacuum pump.</p>

recirculating chiller



Code	59400031										
Model	F250										
Temperature range	-10°C à +40°C										
Temperature stability	+/- 0.5°C										
Temperature display	LED										
Pump capacity flow rate	15 L / min.										
Pump capacity flow pressure	0.35 bar										
Cooling capacity	<table border="0"> <tr> <td>20°C</td> <td>0.25 KW</td> </tr> <tr> <td>10°C</td> <td>0.22 KW</td> </tr> <tr> <td>0°C</td> <td>0.21 KW</td> </tr> <tr> <td>-10°C</td> <td>0.18 KW</td> </tr> <tr> <td>-20°C</td> <td>0.09 KW</td> </tr> </table>	20°C	0.25 KW	10°C	0.22 KW	0°C	0.21 KW	-10°C	0.18 KW	-20°C	0.09 KW
20°C	0.25 KW										
10°C	0.22 KW										
0°C	0.21 KW										
-10°C	0.18 KW										
-20°C	0.09 KW										
Filling volume	1.7 - 2.6 Litres										
Dimensions [H x L x P cm]	52 x 42 x 24 cm										
Weight [Kg]	27 Kg										

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