Rotary evaporator
RS 100 PRO

RS 100-PRO
model

We present the new rotary evaporator RSLAB model RS 100-PRO which expands our product line of evaporators. It includes some innovations: designed a detachable operating panel allows remote control with large LCD display for a digital control of lot of parameters as speed, temperature, timer.
Available in two different versions, with normal borosilicate glass set and with coated borosilicate glass set. This version includes a complete set of glassware with plastic coating to improve safety and to avoid contamination of samples with glass pieces in case of accidental breakage; this feature is necessary in laboratories of food and sanitary analysis.
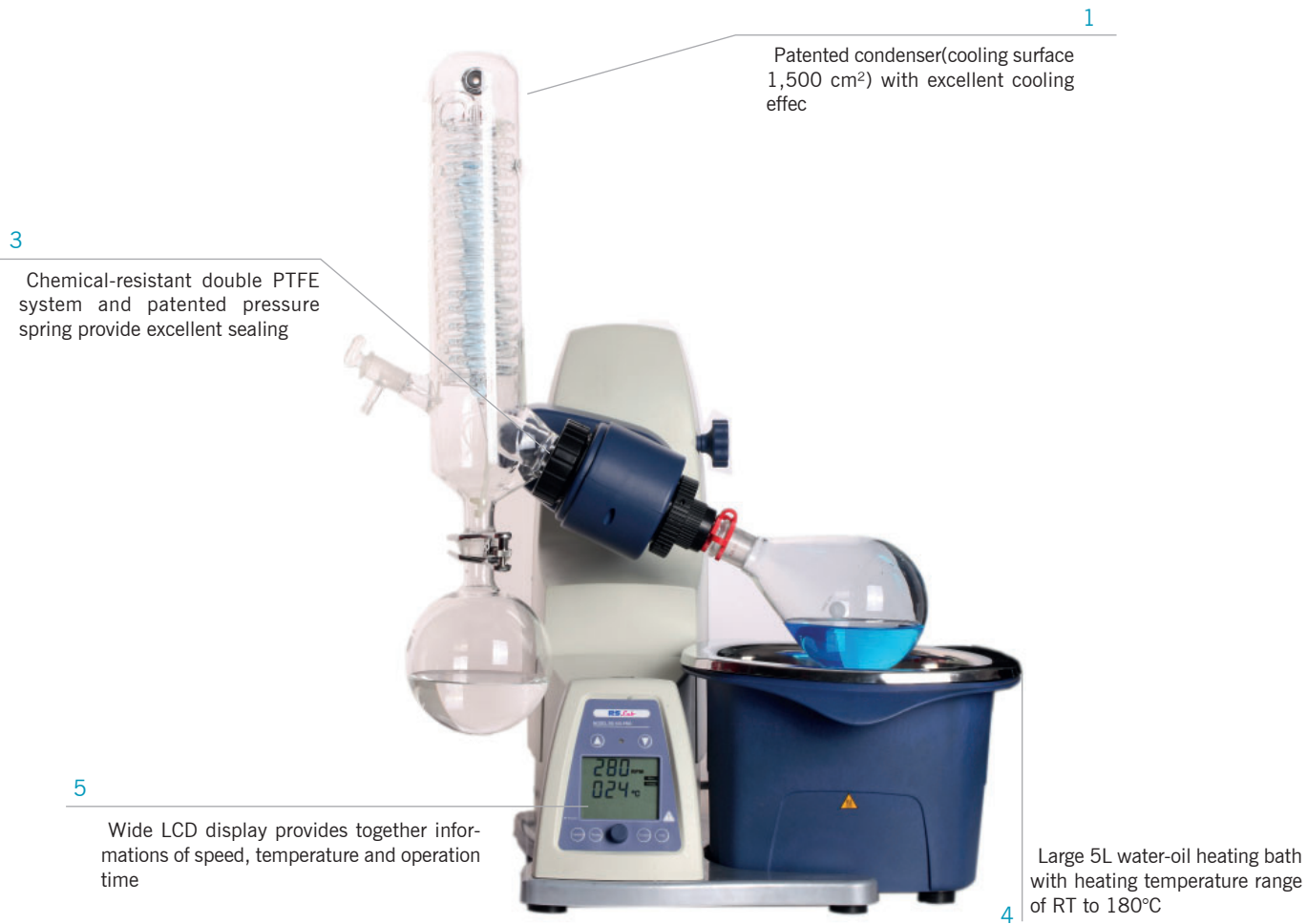Its range of applications is very large and provides reactions of distillation and separation liquid / liquid, liquid / solid, etc. This model can be used in many fields such as chemistry and biochemistry, food, industrial processes, research and education.

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℃

[04] Digital temperature control and adjustable safety circuit

[05] Designed a detachable operating panel allows remote control

[06] Patented condenser (cooling surface 1,500 cm^2) 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

1

Patented condenser(cooling surface 1,500 cm²) with excellent cooling effec

3

Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing

5

Wide LCD display provides together informations of speed, temperature and operation time

4

Large 5L water-oil heating bath with heating temperature range of RT to 180℃

technical specifications

Code	PGB006	PGB007
Type of glass	Borosilicate	Borosilicate coated
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

1 LED power

2 Lift-up and lift down button of motorized lift

3 Speed

4 Temperature

5 Timer

6 Interval

7 Central control knob

modelo
RS 100-PRO
accessories / spare parts

[01] Complete glass set

Including condenser, evaporating flask 1L (29/32)
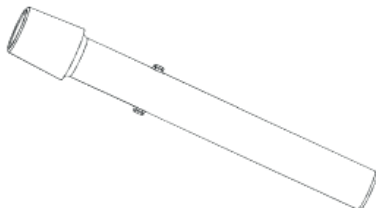and receiving flask 1 L (35/20)

Code	Type
PGG014	Borosilicate glass
PGG015	Borosilicate glass, plastic-coated

[02] Evaporating flasks 29/32

Code		Volume
Borosilicate glass	Borosilicate glass, coated	
PBJ001	PBJ007	50 mL
PBJ002	PBJ008	100 mL
PBJ003	PBJ009	250 mL
PBJ004	PBJ010	500 mL
PBJ005	PBJ011	1000 mL
PBJ006	PBJ012	2000 mL

[04] Vapor tube 29/32

Code	NS
PGG020	NS 29/32

[03] Receiving flasks 35/20

Code		Volume
Borosilicate glass	Borosilicate glass, coated	
PGG024	PGG029	100 mL
PGG025	PGG030	250 mL
PGG026	PGG031	500 mL
PGG027	PGG032	1000 mL
PGG028	PGG033	2000 mL

model
RS 100-PRO
accessories / spare parts

[05] Connectors

[06] Spider with 5 flasks

[07] Foam brake 29/32

[08] Seal

Code	NS
PGG016	NS 29/32, NS24/29
PGG017	NS 29/32, NS19/26
PGG018	NS 29/32, NS14/23

Code	Volume*
PGG023	5x50 mL (29/32)*

* not included

Code	Volume
PGG019	250 mL

Code
PGG021

vacuum pump

Referencia	PXB005
Vacío (máx.)	13 mbar
Velocidad	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
Velocidad motor	1450 rpm
Peso [Kg]	7

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RS 100-PRo
accessories

digital vacuum regulator

Code	PXB006
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

Meter: Evacuates the attached equipment to the set point pressure entered in the controller.

Off: Isolates the vacuum pump from the attached equipment. In this position th equipment can be opened to the atmosphere while the vacuum pump is running.

Full vacuum (vacío total): 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..

recirculating chiller

Code	PXB007	
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	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	