

Rotary Evaporator RE100-Pro



Foam brake, 250ml
NS 29/32
Cat. No: 18300093



Vapor tube
NS 29/32
Cat. No: 18300097



Seal
Cat. No: 18300098



Vacuum pump
Cat. No: 18200743

Model	C410
Voltage [V]	110,220
Frequency [Hz]	50/60
Power [W]	95
Maximum Vacuum [mbar]	13
0 mmHg	25 L/min
Pump Speed	100 mmHg 22 L/min
	200 mmHg 20 L/min
	300 mmHg 12 L/min
	400 mmHg 7.5 L/min
	550 mmHg 5 L/min
Suction Nozzle Size [mm]	8
Motor speed [rpm]	1450
Weight [kg]	7
Noise [dB]	50



Recirculating chiller
Cat. No: 18200746

Model	F250
Temperature range [°C]	-10~+40
Temperature stability [°C]	± 0.5
Temperature display	LED
Pump capacity flow rate [l/min]	15
Pump capacity flow pressure [bar]	0.35
Cooling capacity	20°C 0.25KW
	10°C 0.22 KW
	0°C 0.21 KW
	-10°C 0.18 KW
	-20°C 0.09 KW
Filling volume [L]	1.7 ~ 2.6
Weight [kg]	27
Dimensions [WxLxH, cm]	24x40x52

Ordering Information

Cat. No.	P/N	Descriptions	Power supply
61112010000	RE100-Pro	Rotary	USA plug, 100-120V, 50/60Hz
61112010000		Evaporator with	Cn plug, 220-240V, 50/60Hz
61112220000		set of glassware	Euro plug, 220-240V, 50/60Hz
61112320000		vertical	UK plug, 220-240V, 50/60Hz

Glassware

Cat. No.	P/N	Descriptions	Volume	Size
18900165		Glassware vertical	1000ml	-

Flasks

Cat. No.	P/N	Descriptions	Volume	Size
18300116		Evaporating ask	50ml	NS 29/32
18300117			100ml	NS 29/32
18300118			250ml	NS 29/32
18300119			500ml	NS 29/32
18300120			1000ml	NS 29/32
18300121			2000ml	NS 29/32
18300121		3000ml	NS 29/32	
18300107		Receiving ask	100ml	KS 35/20
18300108			250ml	KS 35/20
18300109			500ml	KS 35/20
18300110			1000ml	KS 35/20
18300111		2000ml	KS 35/20	
18300102		Spider	50ml	NS 29/32
18300103			100ml	NS 29/32
18300094		Connector	/	NS 29/24
18300095			/	NS 29/19
18300096			/	NS 29/14
18300093		Foam brake	250ml	NS 29/29
18300097		Vapor tube	/	NS 29/32

Additional Accessories

Cat. No.	P/N	Descriptions	
18100926		Seal	
18200743	C410	Chemical resistant Vacuum Pump	220-240V, 50/60Hz
18200746	F250	Recirculating chiller	220-240V, 50/60Hz



Dragon Laboratory Instruments Limited

F3, Block 12, No.28 Yuhua Road, Shunyi District, Zone B,
Tian Zhu Airport Industrial Park, Beijing, 101318 P.R. China
Tel: 86-10-85653451 85653452 85653453

Fax: 86-10-85653383

E-mail: info@dragon-lab.com

Service: service@dragon-lab.com Service

Hotline: 400-1100-556

Website: [Http://www.dragon-lab.com](http://www.dragon-lab.com)

US office DRAGONLAB, LLC

500 Four Rod Road, Suite 122, Berlin, CT06037 USA

Tel: 1-860-828-5289

Fax: 1-860-828-5389

E-mail: info@dragonlabusa.com

Website: [Http://www.dragon-lab.com](http://www.dragon-lab.com)

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Dragon Laboratory Instruments Limited



RE100-ProLCD Digital Rotary Evaporator

Patented condenser with cooling surface 1,500 cm²

Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure

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

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

Easy to read large digital LCD screen displays heating temperature, rotation speed and timing



Features

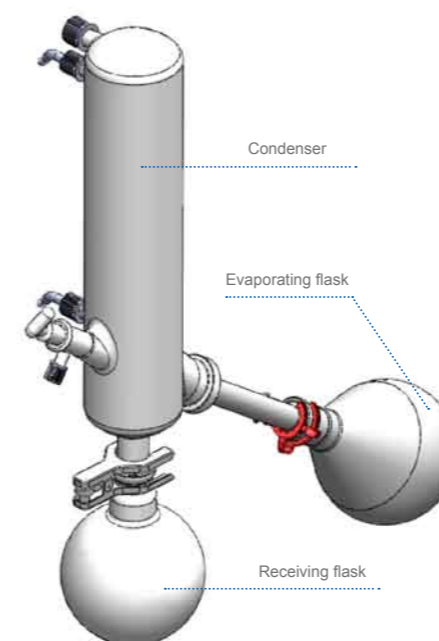
- Easy to read large digital LCD screen displays heating temperature, rotation speed and timing - Speed range from 20 to 280 rpm
- Large 5L water-oil heating bath with heating temperature range of RT to 180°C
- Heating bath with precise temperature control and adjustable safety circuit
- Designed a detachable operating panel allows remote control
- Patented condenser (cooling surface 1,500 cm²) with excellent cooling effect
- Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure
- Adjustable final position recognition to protect operator and sample against breakage
- Evaporating flask with an ejector, convenient to remove
- Available with timer function to precise control processing
- Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing
- PC can control and document all parameters via USB

Accessories

Glassware

Compact vertical condenser for all standard distillations
Condenser type: vertical
Cooling surface: 1500 cm²

Cat. No: 18900165



Evaporating flask
NS 29/32

Cat. No.	Volume
18300116	50ml
18300117	100ml
18300118	250ml
18300119	500ml
18300120	1000ml
18300121	2000ml
18300122	3000ml

Receiving flask
KS 35/20

Cat. No.	Volume
18300107	100ml
18300108	250ml
18300109	500ml
18300110	1000ml
18300111	2000ml
18300112	3000ml

Spiders with 5 flask
NS 29/32

Cat. No.	Volume
18300102	50ml
18300103	100ml

Connector
NS 29/32

Cat. No.	Volume
18300094	29*24
18300095	29*19
18300096	29*14

Specifications

Voltage [VAC]	100-120/200-240
Frequency [Hz]	50/60
Power [W]	1400
Motor Principle	DC brushless motor
Speed Range [rpm]	20-280
Speed Display	LCD
Reversible Direction of Rotation	Yes
Heating Temperature Range [°C]	RT-180
Heat Control Accuracy [°C]	± 1
Heat Output [W]	1300
Temperature Display	LCD
Lift	Motor
Stroke [mm]	150
Timer	Yes
Timer Display	LCD
Time Setting Range [min]	1-999
Overall Dimensions [D×W×H mm]	420×400×580
Weight [kg]	20
Permissible Ambient Temperature [°C]	5-40
Permissible Relative Humidity	80%
Protection Class acc. To DIN EN60529	IP20
RS 232 Interface	Yes



LCD display