

# ROTARY EVAPORATOR

## BOECO ROTARY EVAPORATOR RVO 400 SD

- » With digital display and control
- » Water or oil bath
- » Motorized lift
- » Built in vacuum controller
- » function of pressure and temperature gradient
- » Variable inclination angle of evaporating flask
- » With vertical or diagonal condenser
- » fitted and designed for control and communication by PC

### Technical details:

Receiving flasks:	100 - 2000 ml
Evaporating flasks:	20 - 4000 ml
Rotation speed:	0 - 280 rpm
Bath temperature:	max. 100°C for water filling max. 180°C for oil filling
Regulation accuracy:	± 1°C up to 100°C ± 3°C up to 180°C
Pressure measurement:	absolute
Pressure difference:	adjustable 1-500 mbar.
Digital settings:	Temperature, rotations, vacuum
Gradient settings:	Temperature, pressure
Temperature unit selection:	°C, °K
Pressure units selections:	hPa, Torr
Cooler condensation size:	1200 sq cm (double spiral)
Switched vacuum pump:	output max 650 VA, input max. 2000 VA
Power supply:	230 V ±10%, 50/60 Hz
Power input:	max. 2000 W (excluding vacuum pump)
Dimensions in mm (WxHxD):	650 x 900 x 360 (incl. glass)
Net weight:	approx 20 kg

The RVO 400 SD conforms to the CE mark and all relevant EC standards and DIN norms and has been manufactured under ISO 9001:2000

Code	Description
BOE 8090020	BOECO Rotary Evaporator RVO 400 SD, with heating bath, motorized lift, built-in vacuum controller, digital measuring and control system with vertical condenser, 230 V
BOE 8090021	Idem for 110 V
BOE 8090030	BOECO Rotary Evaporator RVO 400 SD, with heating bath, motorized lift, built-in vacuum controller, digital measuring and control system with diagonal condenser, 230 V
BOE 8090031	Idem for 110 V

### Accessories:

BOE 8090005	Safety bath cover, Plexiglass
BOE 8090006	Wireless remote controller
BOE 8090007	PC-based evaporation control software

## BOECO CIRCULATION CHILLER COR 400

Performance:	1/4 HP
Performance 22°C => 7°C:	80 l/hour
Minimum temperature:	1°C for water
Minimum temperature:	-20°C for antifreezing mix
Regulation accuracy:	±1°C
Volume of cooling tank:	20 l
Displacement pump:	7 m
Pump flow:	120 l/hour
Cooling gas:	R - 134a
Power supply:	230V, 50/60Hz
Power:	max. 391 VA
Weight:	29 kg
Dimensions (w x d x h):	530 x 330 x 474 mm

Code	Description
BOE 8090010	BOECO Circulation Chiller, COR 400, 230 V, 50/60 Hz



RVO 400 SD VERTICAL CONDENSER



RVO 400 SD DIAGONAL CONDENSER



SAFETY  
BATH COVER



COR 400

## CHEMICAL RESISTANT VACUUM PUMP

- » 100 % oil-free transfer
- » Pure transfer, evacuation and compression
- » TFM™ PTFE pump head combined with PTFE-coated diaphragm are ideal for extremely aggressive/corrosive gases and vapors.
- » ATEX-compliant in accordance with ATEX II 2G IIB+H2 T3X internal atmosphere only
- » Maintenance-free
- » Gas tight, leakage rate approx.  $6 \times 10^{-3}$  mbar x l/s

### Specification:

Delivery:	20 l/min
Vacuum:	8 mbar abs.
Operating pressure:	0,1 bar
Connectors for tube:	ID 10 mm
Permissible media and ambient temp:	+5...+40°C
Weight / Dimensions WxHxD:	9,3 kg / 154 x 207 x 312 mm

Code	Description
KNF 309577/026366	KNF LABOPORT® Diaphragm Vacuum Pump N 820.3FT.18, 220 V, 50 Hz Pump head: TFM™ PTFE, Diaphragm: PTFE-coated, Valves: FFPM
KNF 309577/029163	Idem, 220 V, 60 Hz
KNF 309577/027170	Idem, 115 V, 60 Hz

The above pumps are suitable for our Rotary Evaporator RVO 400 SD



## BOECO VACUUM PUMPS R-300, R-400

are piston-powered, oil-free vacuum pumps, adaptable to many laboratory requirements.

- » quiet and low vibration
- » Compact and light weight
- » Oil free and Maintenance-free

Specification:	R-300	R-400
Max. vacuum:	670 mm Hg	670 mm Hg
	50 Hz    60 Hz	50 Hz    60 Hz
Max flow rate:	17 l/min    20 l/min	34 l/min    37 l/min
Horse power:	1/8 HP	1/6 HP
Pole:	4 P	
Net weight:	3,5 kg	4,8 kg
Port thread:	5/16 inch (8 mm)	
Noise level:	50 db	

Code	Description
BOE 8830000	BOECO R-300 vacuum pump 220-240 V, 50/60 Hz
BOE 8830100	BOECO R-300 vacuum pump 110-120 V, 60 Hz
BOE 8840000	BOECO R-400 vacuum pump 220-240 V, 50/60 Hz
BOE 8840100	BOECO R-400 vacuum pump 110-120 V, 60 Hz

## BOECO VACUUM / PRESSURE PUMP R-430

Specification:	R-430
Max. vacuum:	630 mm Hg
Max. pressure:	80 psi
	50 Hz    60 Hz
Max flow rate:	28 l/min    34 l/min
Motor rotation:	1450 rpm    1700 rpm
Horse power:	1/6 HP
Pole:	4 P
Net weight:	5,8 kg
Port thread:	5/16 inch (8 mm)
Noise level:	52,0 db

Code	Description
BOE 8843000	BOECO R-430 vacuum pump 220-240 V, 50/60 Hz
BOE 8843100	BOECO R-430 vacuum pump 110-120 V, 60 Hz



R-300



R-400



R-430