

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. 6×10^{-3} mbar x l/s

Specification:

Delivery:	20 l/min
Vacuum:	8 mbar abs.
Operating pressure:	1 bar
Connectors for tube:	ID 10 mm
Permissible media and ambient temp:	+5...+40°C
Weight / Dimensions WxHxD:	9,3 kgs / 154x207x312 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:	4,1.kg	6,2 kg
Port thread:	5/16 inch (8 mm)	
Noise level:	50 db	



R-300



R-400

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:	5,5 kg
Port thread:	5/16 inch (8 mm)
Noise level:	52,0 db

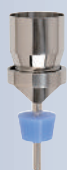


R-430

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



FILTRATION UNIT
BOE 8833001



ST. STEEL FUNNEL
BOE 16710310



MF 3



MF 3A



MV 3



MV 6



ADAPTER BOE 19010071
to enable the use of the
Magnetic filter holders MF3
instead of the st. steel funnels
at the above manifolds.

Filtration Accessories

Code	Description
BOE 88330001	Filtration unit for 47-50 mm membrane filter with vacuum-resistant flask, capacity 1 litre
BOE 88300002	Glass filtration set for 47 mm membrane filter with 1 litre lab storage bottle
BOE 16710310	Stainless Steel funnel, 100 ml, 47 mm Diam.

MAGNETIC FILTER HOLDERS

our MF series magnetic filter holders are designed with double-layer magnets to ensure a tight seal between the funnel and support base. The innovative design of a hose fitting detachable to the support base can allow a direct connection to the vacuum source and a flexible use with various kinds of vacuum flasks and bottles. Constructed of Polyether sulfone (PES) material, the MF series filter holders are resistant to a wide range of chemicals and high temperature. They are sturdy and autoclavable.

Specification:	MF 3	MF 3a
Funnel Capacity:		300 ml
Effective filtration area:		13,1 cm ³
Effective Diameter:		41 cm
Filter size:		47 cm
Fitting Size (tubing):		Ø 4-8 mm
Graduation increment:		50 ml
Dimensions: (Ø x H)	9 x 17 cm	9 x 10,4 cm
Net Weight:	350 g	300 g
Material	Polyether sulfone (PES)	
	Funnel body, Funnel base, Hose fitting, Support screen	
Silicone rubber:	Sealing gasket, Sealing plug	
Lid kit:	PP (Polypropylene construction with PTFE syringe filter)	

Code	Description
BOE 20300010	Magnetic Filter Holder 300ml MF3 with lid, long stem and silicone stopper
BOE 20310010	Magnetic Filter Holder 300ml MF3a with lid, Short stem for direct application on general flask or lab bottles)

STAINLESS STEEL MANIFOLDS

Applicable for microbiology test filtration in food, pharmaceutical, beverage industries. Medium purification in life science labs. General filtration for aqueous samples. Suspended solid test filtration for municipal surface ground and drinking water

Specification:	MV 3	MV 6
Number of branches:	3	6
Effective filtration area:	47 mm / 50 mm	
Port thread:	8 mm (5/16 inch)	
Dimensions: (h x w x d)	48x13x16cm	85x13x16cm
Material	Stainless steel (SS316)	
	Pipe - Control valve - Vent valve	
	Hose barb	
Aluminium:	Handles - Knob of control valve	
FKM:	Seals of control valve - Vent valve - Hose barb	

Code	Description
BOE 18030061	3-branch stainless steel (SS316) manifold MV 3 with 3 x stainless steel funnels 100 ml
BOE 18060061	6-branch stainless steel (SS316) manifold MV 6 with 6 x stainless steel funnels 100 ml
Optional	
BOE 16710311	Stainless steel cover for 100 ml stainless steel funnel
BOE 19010071	Adapter for silicone stoppers No.8, for use with MF3

MINI DIAPHRAGM VACUUM PUMPS

are dry-running diaphragm Vacuum Pumps, adaptable to many laboratory requirements.

- ▶ 100 % oil-free transfer
- ▶ Pure transfer, evacuation and compression
- ▶ Maintenance-free
- ▶ Environmentally friendly
- ▶ High level of gas tightness

Specification N 86.KN.18:

single head

Delivery:	6 l/min
Vacuum:	100 mbar abs. / 684 mm Hg
Pressure:	2,4 bar
Connectors for tube:	ID 4 mm
Permissible gas and ambient temp:	+5...+40°C
Motor protection:	IP 20
Weight:	1,9 kgs
Dimensions LxHxB:	164x141x90 mm



N 86.KN.18

Code	Description
KNF 046208/046242	KNF LABOPORT® Diaphragm Vacuum Pump N 86.KN.18, 220 V, 50 Hz, Pump head: PPS, Diaphragm: EPDM, Valves: FPM
KNF 046208/046948	Idem, 220 V, 60 Hz
KNF 046208/046241	Idem, 115 V, 60 Hz

Options:

KNF 001787	Fine control valve (suction side)
KNF 001786	Fine control valve (pressure side)

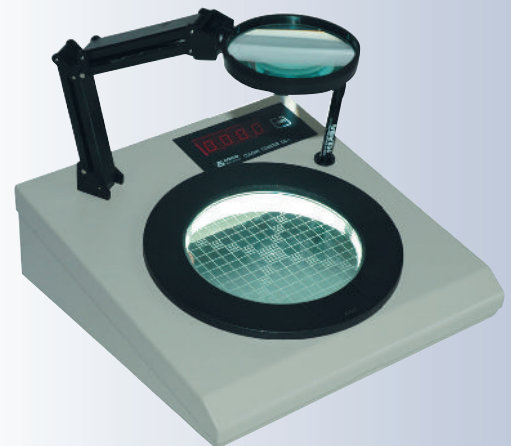
BOECO COLONY COUNTER CC-1

is suitable for counting bacteria growing on agar contained Petri dishes. Built-in electronic register, operated by any pen. Every time a count is registered the beeper gives an audible signal to verify entry. The pressure sensor system provides uniform sensitivity over the whole of working field.

A reset button provides immediate zeroing of the 4-digit counter
Flexible adjuster accepts 10 cm to 15 cm petri dishes
The adjustable focusing arm allows the 1,5x magnifying glass to be placed at various angles of working position.
The background plate can be changed to white or black for easy counting.
Ring-shaped lamp provides uniform working field illumination.
The number of counts is capable of being registered to maximum of 4-digits i.e. 9999 and displayed on bright red LED.

Specification:

Working Principle:	Pressure sensor system provides uniform sensitivity over the whole working field
Readout:	4-digit bright red, 0,6" LED display
Modes of Counting:	Marking pen counting (any pen)
Dimension:	30 x 33 x 10 cm (W x D x H)
Power:	115 / 230 VAC, 50/60 Hz
Net Weight:	5 kgs.



CC-1

Code	Description
BOE 5157000	Colony Counter CC-1, with 1,5x standard lens, adjustable focusing arm, marking pen, power cord