



LIQUID SUCTION VACUUM PUMP

LIQUID SUCTION VACUUM PUMP BFA1DD1 TO BFA1DD5

LIQUID SUCTION VACUUM PUMP

The liquid suction filtration vacuum pump series is mainly used for separation of culture fluid and culture tissue after biochemical culture, extraction of cell culture waste liquid, and suction of various waste liquids in the laboratory. Different flow specifications are available to meet more experimental needs, and it is the best experimental assistant indispensable for the laboratory aseptic workstation.



Pumping filter brackets are equipped on both sides of the instrument, easy to store and select the suction filter accessories.

Standard equipped with multi-function suction filter handle and 5 kinds of suction head accessories to meet more requirements of suction experiments.

Sealed waste liquid bottle cap design, quick-insertion sealing joint, convenient to get out of the fuselage bottle and clean up waste liquid.

Normally open control mode and foot switch control mode, to meet more experimental requirements.

Waste liquid bottle, suction filter fittings and dish filter can all be used for autoclave sterilization.

There is a liquid level protection switch in the waste liquid bottle to prevent the waste liquid from overflowing and being sucked into the pump chamber to ensu

SPECIFICATIONS

Model	BFA1DD1	BFA1DD2	BFA1DD3	BFA1DD4	BFA1DD5
Old Model	BVAP-101	BVAP-102	BVAP-103	BVAP-201	
Max. flow rate	26L/min	35L/min	42L/min	8L/min	
Vacuum degree	-0.08Mpa			-0.065Mpa	
Vacuum display mode	Vacuum gauge				Digital display
Negative pressure adjustment range	0~-0.08Mpa			0~-0.065Mpa	0~-650mbar
Waste liquid bottle capacity	2500mL			1000mL	
Foot switch	Yes			/	
Voltage	AC220V/AC110V 50/60Hz			DC24V 0.8A	
Power	60W	140W	180W	8W	
Fuse	250V1A, φ5x20		250V 1A, φ5x20		/
Dimension (mm)	W.248xD.475xH.350			W.130xD.288xH.300	
Net Weight	7.8kgs	9.2kgs		1.6kgs	1.4kgs
Alt Name	Liquid suction vacuum pump				



BFA1DD1 BFA1DD2 BFA1DD3



BFA1DD4



BFA1DD5

ACCESSORIES FOR PURCHASE

No	Accessories code	Name	Material	Quantity
1	ZK-A	Hand-held operator	POM	1
2	ZK-B	Eight-channel retractable tip plastic extraction head	POM	1
3	ZK-C	Eight channel stainless steel extraction head	POM+SUS304	1
4	ZK-D	Single channel plastic extraction head	POM	1
5	ZK-E	Single channel retractable tip plastic extraction head	POM	1
6	ZK-F	Single channel stainless steel extraction head	POM+SUS304	1
7	ZK-G	Foot switch (For ZK26E/35/42 use only)	Al	1



FEATURES

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Waste liquid bottle, suction filter fittings and dish filter can all be used for autoclave sterilization.

There is a liquid level protection switch in the waste liquid bottle to prevent the waste liquid from overflowing and being sucked into the pump chamber to ensure no troubles in suction filtration.

There is a PTFE dish shape filter between the bottle and the pump to protect the environment from harmful gas pollution.

The self-locking quick connector can be quickly and easily separated from the pipeline, which is convenient for safely cleaning the waste bottle.

Built-in high quality oil-free vacuum pump, no maintenance, low noise and long life.

The standard handheld multifunctional suction filter handle and 5 kinds of suction head accessories can meet the needs of more suction experiments.

LIQUID SUCTION VACUUM PUMP BGI2I1 TO BGI2I4

VACUUM PUMP



Low noise, high efficiency:

1. Two-stage vacuum pump control technology with lower noise, higher vacuum, higher pumping efficiency, for the vacuum drying time is around 2-4 mins.

Clean and reliable:

1. Double anti-return oil structure to more reliably protect the vacuum system from oil pollution after shutdown.

2. It adopts imported German oil seal and seals with fluororubber material to improve corrosion resistance and prevent oil leakage.

3. Adopting the aviation technology bushing treatment process, the life of the exhaust valve piece reaches 10 billion times.

4. It adopts high-quality materials such as vacuum pump oil imported from Japan,

SPECIFICATIONS

Model	BGI2I1	BGI2I2	BGI2I3	BGI2I4
Old Model	BVAP-301	BVAP-302	BVAP-303	BVAP-304
Displacement speed (50Hz m ³ /h(L/s))	4(1.1)	8(2.2)	16(4.4)	24(6.6)
Displacement speed (60Hz m ³ /h(L/s))	4.8(1.3)	9.6(2.6)	19.2(5.2)	28.8(7.9)
Ultimate partial pressure gas ballast close	5x10 ⁻² Pa		4x10 ⁻² Pa	
Ultimate total pressure gas ballast close	5x10 ⁻¹ Pa		4x10 ⁻¹ Pa	
Ultimate total pressure gas ballast open	10 Pa		8x10 ⁻¹ Pa	
Power supply	Single/Three-Ph			
Power rating	0.4/0.37kW		0.55kW	0.75kW
Level of protection	IP44			
Intake and exhaust	KF16/25		KF25	KF25/40
Oil capacity	0.6 - 1.0 L		0.9 - 1.5 L	1.3 - 2.0 L
Motor speed (50/60Hz)	1440/1720 rpm			
Ambient temperature	10 - 40°C			
Noise level (50Hz)	≤ 52dB		≤ 58dB	
Weight	19 kg	21 kg	30 kg	35 kg
Dimension (LxWxH) mm	440x144x217		530x188x272	567x188x272
Alt Name	Vacuum Pump			

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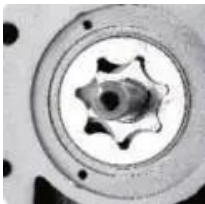
4. It adopts high-quality materials such as vacuum pump oil imported from Japan, which makes the operation more reliable and has a longer service life.



Gas ballast



Auto antisuck back valve



Gear pump



Integrated pump body structure

MORE INFO

Capacity(L)	Degree of vacuum	model	Type	Flow of Vacuum pump	Time
24	133Pa	VRD8	two-stage pump	2L/S	1min
51	133Pa	VRD8	two-stage pump	2L/S	1min
91	133Pa	VRD16	two-stage pump	4L/S	2min
125	133Pa	VRD16	two-stage pump	4L/S	3min
216	133Pa	VRD24	two-stage pump	6L/S	4min



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com