

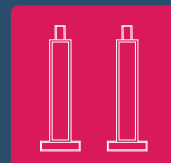
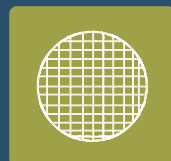
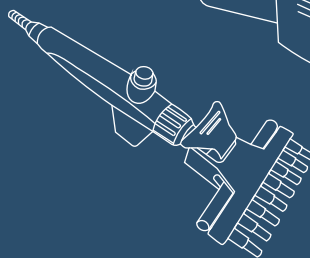
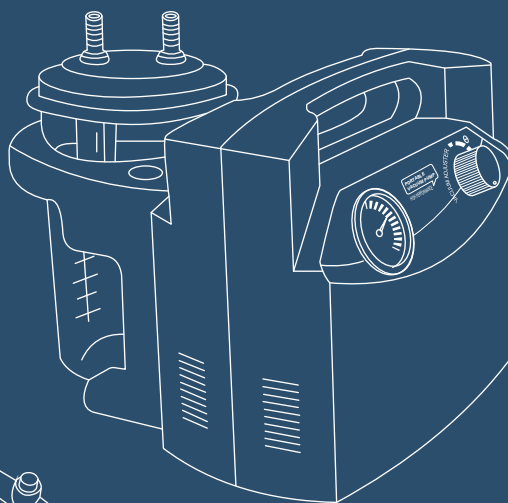
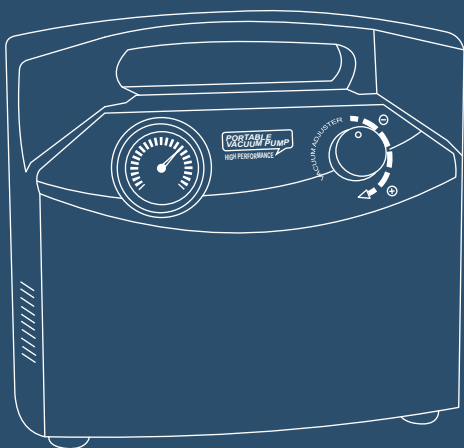
2019-2020

BiFiL

Vacuum & Suction Solutions

Vacuum Pump With Suction System

Focus on
laboratory sample filtration solutions



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BIFIL VACUUM PUMP

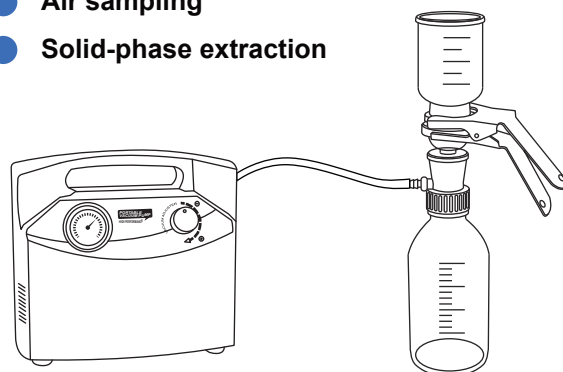
Enjoy the Laboratory

Feature

- **Maintenance-free**
100 % completely oil-free, dry running, non-polluting, No lubricant required, durable.
- **Overheat protection**
motor equipped with overheat protection when the temperature is over 1000, it stop automatically and start automatically after cooling.
- **Quiet, low vibration, high vacuum**
low vibration, compact inner constructional design, make the product work quiet.

Main application

- **Vacuum filtration**
- **Solvent purification**
- **Air sampling**
- **Solid-phase extraction**



1

GM12
167022-11

Diaphragm vacuum pump
12 LPM



SPECIFICATION

Model	GM12
Part.No.	167022-11
Max.flow rate	12 L.P.M
Extreme vacuum	≥0.085 MPa
Vacuum adjustment	Yes
Motor power	60W
Voltage	220V/50Hz
Overheat protect	Yes
Drive type	Diaphragm
Inlet	ø 8 mm
Dimension(mm)	220/130/195 mm
Weight(Kg)	2.2 Kg

2

DT20
165973-22

Piston vacuum pump
20 LPM



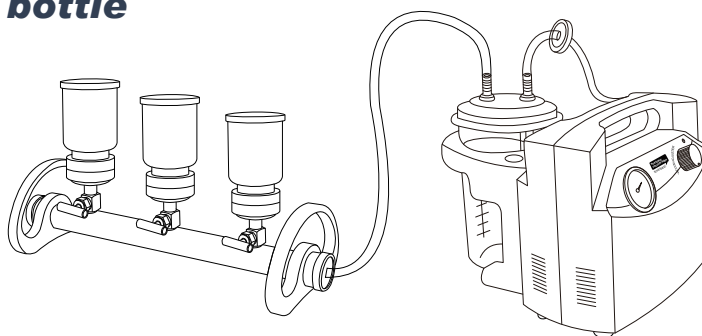
Model	DT20
Part.No.	165973-22
Max.flow rate	20 L.P.M
Extreme vacuum	≥0.085 MPa
Vacuum adjustment	Yes
Motor power	60W
Voltage	220V/50Hz
Overheat protect	Yes
Drive type	Piston
Inlet	ø 8 mm
Dimension(mm)	220/130/195 mm
Weight(Kg)	2.2 Kg



BIFIL VACUUM SUCTION PUMP WITH 1000ml waste liquid trap bottle

Feature

- Maintenance-free**
100 % completely oil-free, dry running, non-polluting, No lubricant required, durable.
- Overheat protection**
motor equipped with overheat protection when the temperature is over 100°, it stop automatically and start automatically after cooling.
- Quiet, low vibration, high vacuum**
low vibration, compact inner constructional design, make the product work quiet.
- Overflow protection**
waste liquid trap bottle built in spill-proof buoy to keep the filtrate from overflowing when waste liquid trap bottle is full.
- Portability**
Compact design, space saving, easy to carry



Main application

- Vacuum filtration**
- Microbial limited test**
- Solid-phase extraction**

SPECIFICATION

Model	GM12RE
Part.No.	167023-21
Max.flow rate	12 L.P.M
Extreme vacuum	≥0.085MPa
Vacuum adjustment	Yes
Motor power	60W
Voltage	220V/50Hz
Overheat protect	Yes
Drive type	Diaphragm
DB level	≤50dB
Inlet	ø 8mm
Liquid trap bottle	1000ml
Overflow protect	Yes
Air filter	PTFE-0.22
Dimension(mm)	220/285/195
Weight(Kg)	3

3

GM12RE
167023-21

Vacuum Suction system
12 LPM



4

DT20RE
165973-32

Vacuum Suction system
20 LPM



Model	DT20RE
Part.No.	165973-32
Max.flow rate	20 L.P.M
Extreme vacuum	≥0.085MPa
Vacuum adjustment	Yes
Motor power	60W
Voltage	220V/50Hz
Overheat protect	Yes
Drive type	Piston
DB level	≤50dB
Inlet	ø 8mm
Liquid trap bottle	1000ml
Overflow protect	Yes
Air filter	PTFE-0.22
Dimension(mm)	220/285/195
Weight(Kg)	3



BIFIL VACUUM SUCTION SYSTEM

With 1000ml waste liquid trap bottle

With inkfish SC10 suction kits

Feature

- Maintenance-free**
100 % completely oil-free, dry running, non-polluting, No lubricant required, durable.
- Overheat protection**
motor equipped with overheat protection when the temperature is over 100°, it stop automatically and start automatically after cooling.
- Quiet, low vibration, high vacuum**
low vibration, compact inner constructional design, make the product work quiet.
- Overflow protection**
waste liquid trap bottle built in spill-proof buoy to keep the filtrate from overflowing when waste liquid trap bottle is full.
- Portability**
Compact design, space saving, easy to carry
- Inkfish suction kits**
Single-handed tip ejection, Quick fitting change, Autoclavable



Main application

- Cell culture aspiration
- Laboratory waste suction

SPECIFICATION

Model	GM12SP
Part.No.	167024-31
Max.flow rate	12 L.P.M
Extreme vacuum	≥0.085MPa
Vacuum adjustment	Yes
Motor power	60W
Voltage	220V/50Hz
Overheat protect	Yes
Drive type	Diaphragm
DB level	≤50dB
Inlet	ø 8mm
Liquid trap bottle	1000ml
Overflow protect	Yes
Air filter	PTFE-0.22
Dimension(mm)	220/285/195
Weight(Kg)	3
Suction component	
Inkfish suction kits	POM/SS/PP

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GM12SP
167024-31

Vacuum Suction system
12 LPM



6

DT20SP
165973-42

Vacuum Suction system
20 LPM



Model	GM20SP
Part.No.	165973-42
Max.flow rate	20 L.P.M
Extreme vacuum	≥0.085MPa
Vacuum adjustment	Yes
Motor power	60W
Voltage	220V/50Hz
Overheat protect	Yes
Drive type	Piston
DB level	≤50dB
Inlet	ø 8mm
Liquid trap bottle	1000ml
Overflow protect	Yes
Air filter	PTFE-0.22
Dimension(mm)	220/285/195
Weight(Kg)	3
Suction component	
Inkfish suction kits	POM/SS/PP



BIFIL INKFISH SUCTION KITS

With 1-channel tips connector

With 8-channel tips connector



Feature

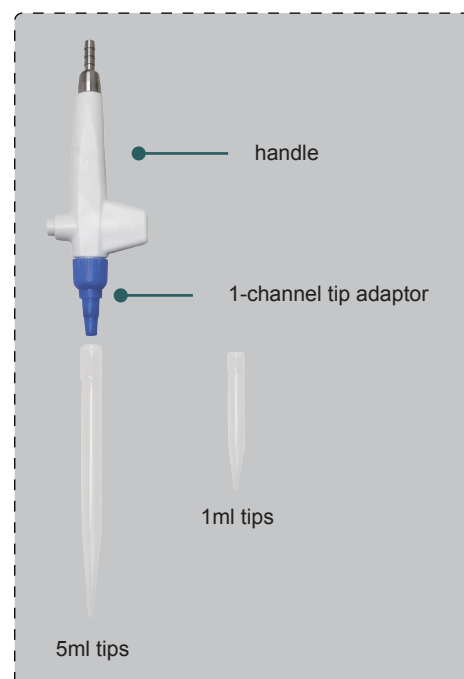
- 8-channel tip ejection**
The innovative tip ejection design enables tip ejection by single hand easy.
- Quick fitting change**
Quick connection coupling between fitting and handle can make any fittings replaced quickly.
- Autoclavable**
The complete kit are made of POM and stainless steel material available for autoclave.



Model	Inkfish
Part.No.	16210F-36
Handle	POM/SS
1-channel tip adaptor	POM
8-channel tips adaptor	POM
8-channel tips ejector	POM
SS needle	SS/PP
Inlets	ø 8 mm
Autoclave	121°

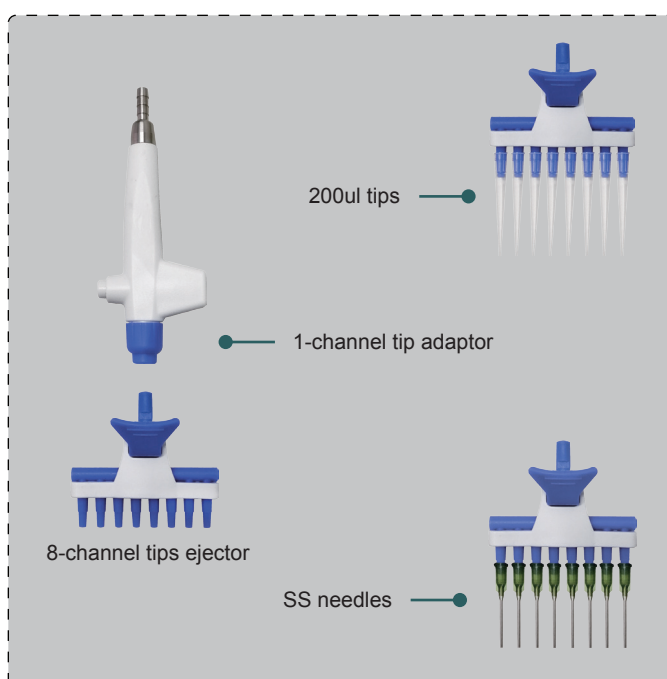
Key function 1

1 -channel tip mode



Key function 2

8 -channel tip mode





ACCESSORIES

Waste liquid trap bottle VF10



- VF10 Waste liquid trap bottle built in spill-proof buoy to keep the filtrate from overflowing when bottle is full.

Model	VF10
Part.No.	16100F-25
Capacity	1000 ml
Graduated increment	100 ml
Inlet & Outlet (I.D. tube)	ø 8 mm
Spill-proof buoy	Yes
Container	PC
Cover	PC

Waste liquid trap bottle TF10



- TF10 Waste liquid trap bottle is consist of GL45 solvent bottle with special cap & stopper.

Model	TF10
Part.No.	668026-10
Capacity	1000 ml
Inlet & Outlet (I.D. tube)	ø 8 mm
Container	GL45 solvent bottle
Cap	PP
Stoppor	Silicone

Air Filter F22PT



- Air filter is a disc filter which effectively prevent aqueous liquid into vacuum pump. It built in hydrophobic PTFE membrane.

Model	F22PT
Part.No.	15350B-05
housing material	PP
O.D. housing	51 mm
Membrane material	Hydrophobic PTFE
Core size	0.22 um
Inlet & Outlet (I.D. tube)	ø 6-10mm