

Portable Suction System



Features

➤ **A dual-function system for suction and filtration**

The innovative dual-function design allows to suck washing solution from cell culture dishes, microplates and to purify media from cell culture by disposable or reusable funnels in just one system.

➤ **Ideal for operation in laminar flow**

Lafil 100's compact size and built-in vacuum pump allow for work in laminar flow. Anti-UV cloth cover is optional.

➤ **Autoclavable**

All supplied fittings are made of POM material available for autoclave.

➤ **International certification**

CE certification

➤ **One-Year Warranty**

Applications

- Cell culture aspiration
- Laboratory waste suction

Ordering Information

197100-01(02)

Lafil 100, Portable Suction System with AC100-240V adaptor, US plug (EU plug) complete set includes,

- * Lafil 100 suction pump
- * 1-channel tip adaptor with ejector
- * 8-channel tip adaptor with ejector
- * Handle
- * 500 ml Storage Bottle with suction cap
- * PTFE Syringe filters
- * Silicone tube

197100-03

Lafil 100, Portable Suction System built-in battery with AC100-240V adaptor, US plug

197000-02

LF 3a, 300 ml PES Filter Holder with lid kit

197000-07

LF 5a, 500 ml PES Filter Holder with lid kit

Lafil 100

Patent: M429771



Specification

Model	Lafil 100
Input voltage	DC 12V, 1.5A
Max. vacuum	345 mbar / 67 kPa / 19.7 inHg
Max. flow rate	4.0 L/min
Motor	DC brushless motor
Net weight	1.3 Kg
Dimension (LxWxH)	26.5 x 13 x 21 cm
Suction Kit	<ul style="list-style-type: none">• Handle• 1-channel / 8-channel tip adaptor with ejector

Portable Suction System

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- 1. Compact size**
Allows operating in laminar flow.
- 2. 500 ml laboratory glass bottle**
LF 3a / LF 5a filter holder is optional for filtration
- 3. Fence-like platform**
Prevents users from tipping over the waste bottle.
- 4. Ergonomic handle**
Patented lock switch (M429771) keeps continuous suction without pressing the button all the time.
- 5. Single-handed tip ejection**
Enables tip ejection by single hand easily.
- 6. Liquid collection tray**
Collects waste liquid dripping from the suction fittings.
- 7. Storage rack**
Accommodates suction fittings on machine casing, space-efficient and clean.

Lafil 200 Suction System

Features

❖ All in One, save space

Lafil 200 – Plus / BioDolphin integrates vacuum source, waste bottle and suction kit into a system. Save 50% bench space.

❖ Large volume, save time

4L PP vacuum bottle is ideal for cell culture aspiration and reducing the frequency of emptying the waste liquid.
(3.5L laboratory glass bottle is optional.)

❖ Safe operation

(1) Quick-coupling connector helps remove vacuum bottle quickly and easily.
(2) The fence-like platform design prevents negligence from tipping over the waste bottle.
(3) The overflow protection prevents the liquid from overflowing when bottle is full.

❖ International certification

CE certification
IP 41 protection
RoHS certification

❖ One-Year Warranty

Applications

- ❖ Cell culture aspiration
- ❖ Laboratory waste suction

Ordering Information

197205-01(02)

Lafil 200 – Plus, Suction System with AC100-240V adaptor, US plug (EU plug)

197203-01(02)

Lafil 200 – BioDolphin, Suction System with AC100-240V adaptor, US plug (EU plug)

197200-01(02)

Lafil 200, Vacuum Pump with AC100-240V adaptor, US plug (EU plug)

197000-60-3500

3.5L Laboratory Glass Bottle with GL45 Suction Cap

Lafil 200 - Plus



Lafil 200 - BioDolphin



Specification

Model	Lafil 200	
Input voltage	DC 12V, 1.5A	
Max. vacuum	213 mbar / 80 kPa / 23.6 inHg	
Max. flow rate	10 L/min	
Aspiration rate	17 mL/sec	
Waste bottle	4L PP vacuum bottle / 3.5L laboratory glass bottle (optional)	
Noise level	55 dB	
Weight	2.1 Kg	
Dimension (LxWxH)	37.5 x 25.8 x 21.7 cm	
	Lafil 200 – Plus	Lafil 200 - BioDolphin
Suction kit	<ul style="list-style-type: none"> • Handle • 1-channel / 8-channel tip adaptor with ejector • 1-channel tip adaptor (150 mm) 	<ul style="list-style-type: none"> • Handle • 1-channel / 8-channel tip adaptor with ejector • 1-channel tip adaptor (50 / 150 mm) • 1-channel / 8-channel SS adaptor (40 mm) • 1-channel SS adaptor (80 mm) • Rack

Lafil 200 Suction System

X2

2 suction kits at the same time

Improves experimental efficiency.



Overflow protection

Protects the pump from liquid overflowing.



Quick-coupling connector

Accelerates removal of vacuum bottles.



4L PP heavy-duty vacuum bottle

3.5L laboratory glass bottle
is optional

(Catalog number :
197000-60-3500)



Fence-like platform

Prevents users from tipping over the waste bottle.



Foldable handle

Easy to carry between labs and work benches.



Multi-functional storage rack

Accommodates all the fittings in the rack and avoids cross-contamination.



Single-handed tip ejection

Enables tip ejection by single hand easily.



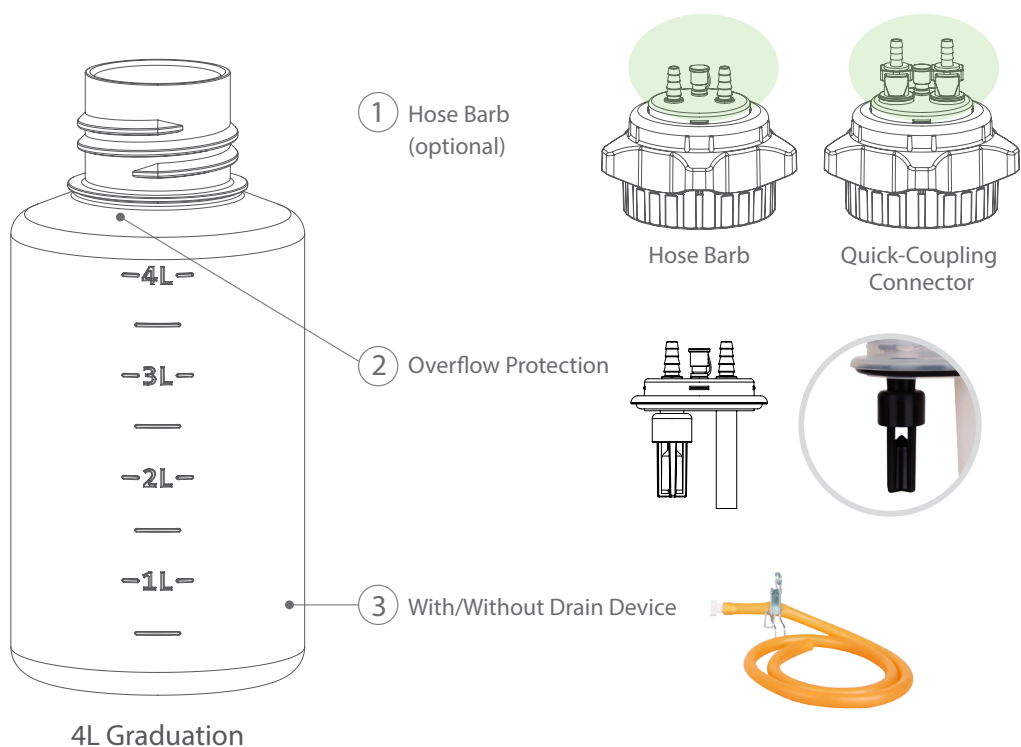
Ergonomic handle

Patented lock switch (M429771) keeps continuous suction without pressing the button all the time.

Filtration Accessories

PP Heavy-Duty Vacuum Bottle

Specification	4000 ml, PP vacuum bottle	4000 ml, PP vacuum bottle with drain	4000 ml, PP vacuum bottle with quick-coupling connector
			
Catalog number	197200-47	197200-48	197200-53
Hose barb	1/4 inch hose barb	1/4 inch hose barb	1/4 inch quick-coupling connector
Graduated increment	500 ml	500 ml	500 ml
Overflow protection	Yes	Yes	Yes
Hose barb	1/4 inch (6 mm)	1/4 inch (6 mm)	1/4 inch (6 mm)
Drain device	-	Yes	-
Autoclavable	Yes	Yes	Yes



* PES : Polyethersulfone, PC : Polycarbonate, PP : Polypropylene

Suction Accessories



PES Waste Bottle

Specification	1200 ml, PES waste bottle
Catalog number	197000-11
Graduated increment	100 ml
Overflow protection	Yes
Cap with suction fitting	Yes
Hose barb	5/16 inch (8 mm)
Autoclavable	Yes



PES Waste Bottle

Specification	1200 ml, PES waste bottle
Catalog number	197000-12
Graduated increment	100 ml
Overflow protection	Yes
Hose barb	4-8 mm
Autoclavable	Yes



PC Waste Bottle

Specification	1000 ml, PC waste bottle	3000 ml, PC waste bottle
Catalog number	167200-31	167240-33
Graduated increment	100 ml	200 ml
Overflow protection	Yes	Yes
Hose barb	5/16 inch (8 mm)	5/16 inch (8 mm)
Autoclavable	Yes	Yes



PP Heavy-Duty Vacuum Bottle **NEW**

Specification	4000 ml, PP vacuum bottle
Catalog number	197200-53
Hose barb	1/4 inch quick-coupling connector
Graduated increment	500 ml
Overflow protection	Yes
Hose barb	1/4 inch (6 mm)
Autoclavable	Yes

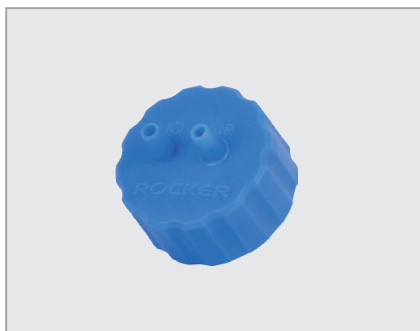


Quick-Coupling Connector **NEW**

Specification	1/4 inch quick-coupling connector	5/16 inch quick-coupling connector
Catalog number	197201-38	197201-38-1
Hose barb	1/4 inch (6 mm)	5/16 inch (8 mm)
Material	POM, SS316, Viton	POM, SS316, Viton
Autoclavable	Yes	Yes

* PES : Polyethersulfone, PC : Polycarbonate, PP : Polypropylene

Suction Accessories



GL45 Suction Cap

Specification	GL45 Suction Cap
Catalog number	197000-60
Hose barb	1/4 inch (6 mm)
Material	PP
Autoclavable	Yes



Laboratory Glass Bottle

Specification	500 ml, glass bottle	1000 ml, glass bottle	3500 ml, glass bottle
Catalog number	197000-60-500	197000-60-1000	197000-60-3500
Cap	GL45 suction cap	GL45 suction cap	GL45 suction cap
Graduated increment	100 ml	100 ml	500 ml
Hose barb	1/4 inch (6 mm)	1/4 inch (6 mm)	1/4 inch (6 mm)
Autoclavable	Yes	Yes	Yes



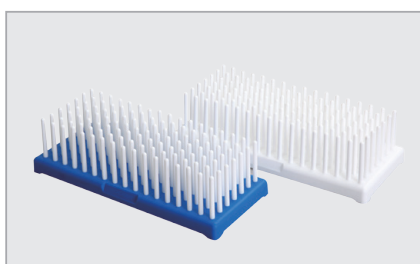
Anti-UV Cloth Cover

Specification	Anti-UV cloth cover for Lafil 100
Catalog number	197100-48



BioDolphin Suction Kit

Specification	BioDolphin
Catalog number	199110-00 Deep Blue 199120-00 Pink 199130-00 Green
Hose barb	1/4 inch (6 mm)
Material	POM, SS304
Autoclavable	Yes
Suction Kit	<ul style="list-style-type: none"> • Handle • 8-channel tip adaptor with ejector • 1-channel tip adaptor (50 mm) • 1-channel SS adaptor (40 / 80 mm) • 8-channel SS adaptor (80 mm) • Rack



Multi-Function Test Tube Rack

Specification	White base rack	Blue base rack
Catalog number	197010-36	197010-36-1
Material	PP	PP

* PES : Polyethersulfone, PC : Polycarbonate, PP : Polypropylene