

Vacuum filtration system

Lafil 400, -135 mmHg, up to 25 l/min

Ideal for:

- filtration for microbiology tests
- suspended solid tests
- general laboratory filtration
- vacuum filtration
- cell culture aspiration
- laboratory waste suction

Features:

- -135 mmHg
- up to 25 l/min
- combines vacuum source with filtration accessories
- compact design
- different sets available
- CE certified



Lafil 400

Model	Lafil 400	
Max. power (W)	100	80
Max. current (A)	1.0	0.4
Max. vacuum	33 mbar	
Max. flow rate	25 l/min	22 l/min
Motor rotation	1750 rpm	1450 rpm
Port thread	5/16 inch (8 mm)	
Dimension (LxWxH)	33.5 x 23 x 45 cm	
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz	
Order number 120V	00829 197400-11	-
Order number 230V	-	00829 197400-22

Different waste bottles can be found on page 196
Available sets see on next page

Vacuum filtration system sets

Lafil 400 - LF 30

Specification	Lafil 400 120V / 60Hz	Lafil 400 230V / 50Hz
Filter funnel	PES (300 ml, Ø47 mm)	
Waste bottle	PC (1200 ml)	
Funnel support base	PC	
Funnel lid	PP (containing PTFE syringe filter 25 mm, 0.2 µm)	
Overflow protection	PP	
Order number 120V	00829 197401-11	-
Order number 230V	-	00829 197401-22



Lafil 400 - LF 32

Specification	Lafil 400 120V / 60Hz	Lafil 400 230V / 50Hz
Filter funnel	Stainless steel SS316 (100 ml, Ø47 mm)	
Waste bottle	PC (1200 ml)	
Funnel support base	Stainless steel SS316	
Overflow protection	PP	
Order number 120V	00829 197402-11	-
Order number 230V	-	00829 197402-22



Lafil 400 - LF 5a

Specification	Lafil 400 120V / 60Hz	Lafil 400 230V / 50Hz
Filter funnel	PES (500 ml)	
Tissue bottle	Borosilicate glass (500 ml)	
Funnel support base	PC	
Order number 120V	00829 197404-11	-
Order number 230V	-	00829 197404-22



Lafil 400 plus

Specification	Lafil 400 120V / 60Hz	Lafil 400 230V / 50Hz
Suction bottle	PC (1200 ml)	
1-channel tip adaptor with ejector	POM	
8-channel tip adaptor with ejector	POM	
1-channel tip adaptor (150 mm)	POM	
Order number 120V	00829 197405-11	-
Order number 230V	-	00829 197405-22



Vacuum filtration system

WaterVac 100 integrated vacuum pump

Ideal for:

- microbiological filtration technique for analysing aqueous-based fluids for microbiological contamination
- suspended solid test for municipal, surface, ground and drinking water
- general filtration without the need of collecting filtrate

Features:

- -540 mmHg
- up to 0,5 l/min (liquid) or 2,2 l/min (air)
- integrated vacuum pump
- compact design - ideal for work benches or laminar flow hoods
- no special suction flask or waste bottle is needed
- available with spin-lock or stopper design
- one push-button for easy operation
- silicone tube (2m) for waste drain included



WaterVac 100 with stopper



WaterVac 100 with spin-lock

Model	WaterVac 100 stopper	WaterVac 100 spin-lock
Filter diameter	47mm / 50mm	
Max. flow rate	0.5 l/min (liquid) or 2.2 l/min (air)	
Max. vacuum	-540 mmHg	
Weight	1.16 kg	
Dimensions (LxWxH)	170 x 120 x 96 mm	
Parts	Material	
Housing	SUS 304	
Valve plate	EPDM (Ethylene Propylene Diene Monomer)	
Diaphragm	EPDM (Ethylene Propylene Diene Monomer)	
Inlet / outlet port	SUS 316	
O-ring / tube	FKM / silicone Ø4 x 8mm, 2m length	
Order number 100-240V EU-plug	00829 190110-02	00829 190120-02

Accessories: Suitable filter holder and funnels on next page

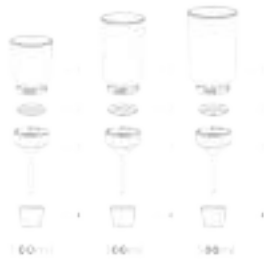
Vacuum filtration system

Filter Ø47mm, 100ml - 500ml stainless steel filter holder

- spin-lock connection facilitates fast and stable installation without clamp
- stainless steel funnel offers excellent chemical resistance and can be sterilized
- complete set can be used for WaterVac100 stopper and spin-lock design
- funnel only can be used for WaterVac 100 with spin-lock

100ml / 300ml / 500ml stainless steel filter holder

#	Item	Material	Size	Order number
	100ml, 47mm stainless steel filter holder, complete			00829 167103-10
	300ml, 47mm stainless steel filter holder, complete			00829 167103-30
	500ml, 47mm stainless steel filter holder, complete			00829 180100-50
1	Funnel	Stainless steel SS316	100 ml 300 ml 500 ml	00829 167103-61 00829 167103-63 00829 167103-65
2	Support screen	Stainless steel SS316		00829 167100-31
3	Support base	Stainless steel SS316		00829 167103-60
4	Stopper	Silicone	No. 16 (100/300ml) No. 18 (500ml)	00829 167110-17 00829 167110-18



Filter Ø47mm, 300ml / 500ml magnetic PES filter holder MF 3/5

- magnetic connection facilitates fast and stable installation without clamp
- strong magnetic seal allows one-handed operation, prevents possible twisting and tearing of the membrane
- membrane guide on the base helps positioning membrane easily
- PES structure offers excellent smash and high temperature resistance (up to 180°C)
- autoclavable
- reusable
- funnel graduated in 50ml increments for easy measurement
- MF 3/5 can be used for WaterVac100 with stopper design

MF 3 / 5 magnetic PES filter holder, stopper, long stem

#	Item	Material	Size	Order number
	300ml, 47mm magnetic PES filter holder, complete			00829 200300-01
	500ml, 47mm magnetic PES filter holder, complete			00829 200500-01
1	Lid kit	PP		00829 200300-36
2	Funnel	PES	300 ml 500 ml	00829 200300-30 00829 200500-30
3	Support base	PES	long stem	00829 200300-32
4	Stopper	Silicone	No. 8	00829 167110-16

