

Vacuum filtration system

Lafil 400, -720 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:

- -720 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	-720 mmHg	
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 110V	00829 197400-11	-
Order number 220 V	-	00829 197400-22

Different waste bottles can be found on page 198
Available sets see on next page

Vacuum filtration system sets

Lafil 400 with LF 30 47 mm 300 ml PES filtration set

Specification	Lafil 400 110V / 60Hz	Lafil 400 220V / 50Hz
Filter funnel	PES (300 ml, Ø47 mm)	
Waste bottle	PC (1200 ml)	
Funnel support base	PP	
Funnel lid	PP (containing PTFE syringe filter 25 mm, 0.2 µm)	
Overflow protection	PP	
Order number 110V	00829 197401-11	-
Order number 220 V	-	00829 197401-22



Lafil 400 with LF 32 47 mm 100 ml stainless steel filtration set

Specification	Lafil 400 110V / 60Hz	Lafil 400 220V / 50Hz
Filter funnel	Stainless steel SUS316 (100 ml, Ø47 mm)	
Waste bottle	PC (1200 ml)	
Funnel support base	Stainless steel SUS316	
Overflow protection	PP	
Order number 110V	00829 197402-11	-
Order number 220 V	-	00829 197402-22



Lafil 400 with LF 5a 47 mm 500 ml PES filter holder set

Specification	Lafil 400 110V / 60Hz	Lafil 400 220V / 50Hz
Filter funnel	PES (500 ml)	
Tissue bottle	Borosilicate glass (500 ml)	
Funnel support base	PP	
Order number 110V	00829 197404-11	-
Order number 220 V	-	00829 197404-22



Lafil 400 plus with 1200 ml PES waste bottle inclusive handle, 1-channel tip adaptor and 8-channel tip adaptor

Specification	Lafil 400 110V / 60Hz	Lafil 400 220V / 50Hz
Suction bottle	PES (1200 ml)	
1-channel tip adaptor	POM	
8-channel tip adaptor	POM	
Order number 110V	00829 197405-11	-
Order number 220 V	-	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