

**INSTRUCTION MANUAL** 

Model : MF 3 / MF 5 / MF 3a / MF 5a / MF 30 / MF 31 MF 3 Pro / MF 5 Pro / MF 3a Pro / MF 5a Pro



Carefully check if the shipping carton is damaged before unpacking. Please check the items according to standard package list. If you have any question, please preserve serial no. & shipping carton and contact your dealer for quick solution.

Madal	Magnetic Filter Holder				PES Filtration Apparatus	
Model	MF 3 / 5	MF 3 / 5 Pro	MF 3a / 5a	MF 3a / 5a Pro	MF 30	MF 31
Material of filter holder	PES	PPSU	PES	PPSU	PES	PES
1. Funnel lid	Yes		Yes		Yes	Yes
2. Magnetic funnel	300 / 500 mL		300 / 500 mL		300 mL	300 mL
3. Magnetic support base	Yes		Yes		Yes	Yes
4. Silicone stopper	No. 8		-		No. 16	No. 8
Detachable hose barb	Yes		Yes		Yes	Yes
Accessory	-		-		5. Overflow protection	5. Silicone fixing sucker
Vacuum bottle	-		-		6. 1200 mL PC bottle	6. 1000 mL receiver flask with drain
					-1 $-2$ $-3$ $-4$ $-6$	

Note: (1) Magnetic Filter Holder MF 3a / 5a (Pro) are designed for the laboratory glass bottle filtration.

- (2) Detachable hose barb can be screwed on after removing silicone sealing plug.
- (3) The applicable membrane thickness for the MF filter holder is 0.1 mm to 1 mm.
- (4) The glass flask can withstand a maximum vacuum of 5 mbar (abs.), recommended for vacuum filtration only. Do <u>NOT</u> exceed the limit!

## Maintenance

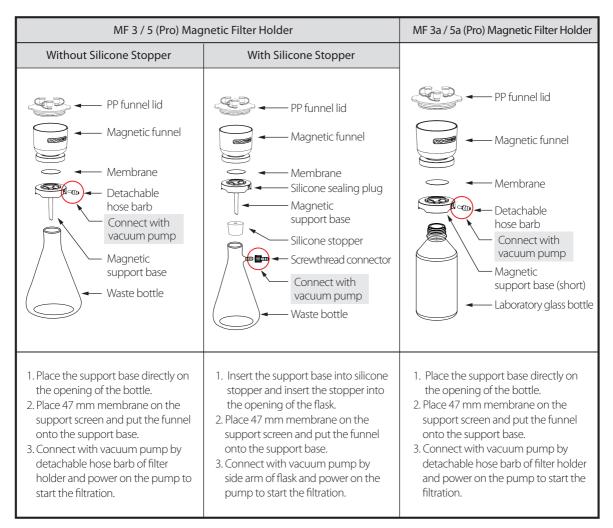
#### 1. Cleaning

- A. Disassemble the filter holder and vacuum bottle completely.
- B. Soak all parts in clean water. Avoid abrasive cleansers.
  - If necessary, use a soft bristle brush or sponge to remove residues.
- \* Do NOT use any detergents which may cause PES or PPSU to crack, thereby reducing life of the product.
- C. Rinse all parts thoroughly. Final rinse should be done with distilled or deionized water.
- D. Store in a clean, dry place.

### 2. Sterilization

- A. Make sure to separate funnel lid and stopper from the filter holder when autoclaved.
- B. Autoclave at 121 123 °C (250 253 °F) at 1.0 bar (100 kPa, 15 psi) for 15 20 min.
- \* Do NOT autoclave with aluminum foil. It is always recommended to autoclave the funnels in autoclave paper and bags.
- \* The rubber drain hose of MF 31 is not autoclavable, please remove it before autoclave.

## **Usage Guide**



• If a funnel lid is necessary during filtration, open a cap and insert a syringe filter for venting.

• ROCKER glass flask can withstand a max. vacuum of 5 mbar (abs.). Do NOT exceed the limit!

# Ordering Information

200300-01	MF 3, Magnetic Filter Holder (300 mL)	200310-01	MF 3a, Magnetic Filter Holder (300 mL)			
200500-01	MF 5, Magnetic Filter Holder (500 mL)	200510-01	MF 5a, Magnetic Filter Holder (300 mL)			
200300-01-P	MF 3 Pro, Magnetic Filter Holder (300 mL)	200310-01-P	MF 3a Pro, Magnetic Filter Holder (300 mL)			
200500-01-P	MF 5 Pro, Magnetic Filter Holder (500 mL)	200510-01-P	MF 5a Pro, Magnetic Filter Holder (300 mL)			
200300-37	PES support screen for MF Filter Holder	200300-37-P	PPSU support screen for MF Pro Filter Holder			
200300-36	PP lid kit (Include syringe filter)	167110-16	Silicone stopper (No.8)			
200320-30	MF 30, PES Filtration Set	200320-31	MF 31, PES Filtration Set			
167100-20	PALL A/E glass fiber membrane filter, 47 mm, 1 μm, 100/PK					
167100-52-1	Whatman ME 25 (MCE) membrane, 47 mm, 0.45 μm, 100/PK					

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