

Infitek

FILTER FUNNEL MANIFOLDS



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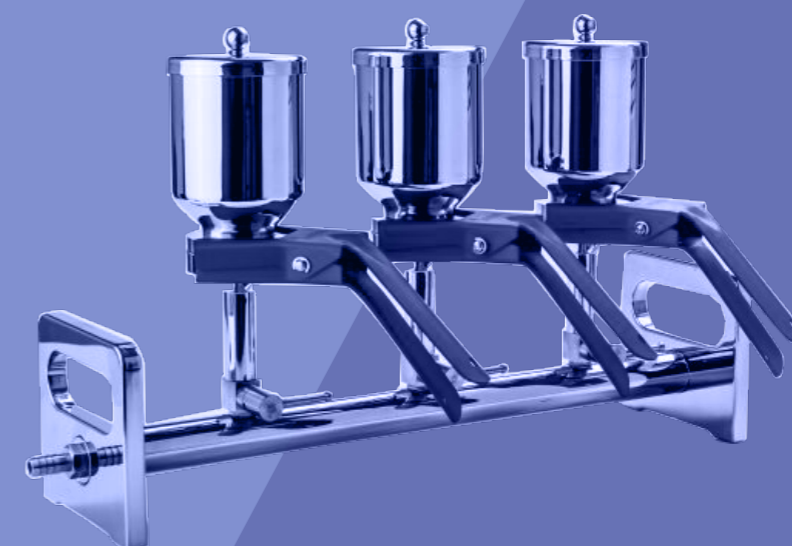
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Manifolds Vacuum Filtration, MFA Series

MFA-1G/MFA-1PTFE **MFA-1S** **MFA-1RS**
MFA-3G/MFA-3PTFE **MFA-3S** **MFA-3RS**
MFA-6G/MFA-6PTFE **MFA-6S** **MFA-6RS**



MFA-1G/MFA-1PTFE



MFA-1S

Specifications

Model	MFA-1G/MFA-1PTFE	MFA-1S	MFA-1RS
Specification	1-branch	1-branch	1-branch
Funnel (1 pc)	300ml Glass	300ml SS316L	300ml SS316L
Valve	SS	SS	SS
Support screen & Pore size	Glass, 10µm /PTFE, 20µm	SS316L, 100um	SS316L, 100um
Connection	Ground joint	Integral SS316L	Stainless steel rubber stopper
Holder	SS316L	SS316L	SS316L



Clamp of anodized aluminum



Stainless steel valve



Glass funnel, glass filter head , PTFE sieve



Stainless steel lid SS316L
 Stainless steel funnel SS316L

Membrane Selection

The selection of the membrane is the key to achieve the best filtering effect. The membrane material must be suitable for the different characteristics of the filter medium and has to be chemical resistant against it. Available with pore size : 0.22µm , 0.45µm , 0.8µm and more . The diameter of the membrane is Ø47mm or Ø50mm .



MFA-3G/MFA-3PTFE



MFA-3S



MFA-3RS

Specifications

Model	MFA-3G/MFA-3PTFE	MFA-3S	MFA-3RS
Specification	3-branch	3-branch	3-branch
Funnel (1 pc)	300ml Glass	300ml SS316L	300ml SS316L
Valve	SS	SS	SS
Support screen & Pore size	Glass, 10µm /PTFE, 20µm	SS316L ,100um	SS316L ,100um
Connection	Ground joint	Integral SS316L	Stainless steel rubber stopper
Holder	SS316L	SS316L	SS316L

Attention



- ◆ Depending on the different characteristics of the solution , choose the suitable membrane filter between the funnel and the filter head , align the ground part and fix with clamp .
- ◆ Press the switch to start the pump , put the solvent into the funnel to filter.
- ◆ When filtering prevent over filling the collection bottle . Solvent into the pump may be hazardous or can damage the pump.
- ◆ If there is leakage between filter head and funnel, please check whether ground part is align and the membrane is flat, and if the clamp is fixed and proper seated .
- ◆ When the flow rate decreases , check whether there are excessive impurities on the membrane affecting the filtration speed and please replace the membrane filter if required .

Sterilization

All the manifolds can be autoclaved at 121°C for 20-30 minutes or sterilized with epoxyethane etc.



Stainless steel holder (SS316L)
Stainless steel filter head SS316L



(Not including the pump and collecting bottle)

Attach the glass filter head on the SS holder (all SS filter manifolds have head and holder connected in one piece) and turn carefully to fit with the holder.

Put the membrane filter on the sieve , attach the funnel to the filter head , and attach the clamp .

Connect the rubber tube to the vacuum nozzle of pump , the other side to the collecting bottle .

Connect the rubber tube to the nozzle of the manifolds vacuum filtration , the other side to the nozzle of the collecting bottle.

Fill the solution into the funnel, open the valve and start up the vacuum pump . The solution flows through the membrane in the filter head through the holder into the collecting bottle due to the action of vacuum .



MFA-6G/MFA-6PTFE

MFA-6S

MFA-6RS

Specifications

Model	MFA-6G/MFA-6PTFE	MFA-6S	MFA-6RS
Specification	6-branch	6-branch	6-branch
Funnel (1 pc)	300ml Glass	300ml SS316L	300ml SS316L
Valve	SS	SS	SS
Support screen & Pore size	Glass, 10µm / PTFE, 20µm	SS316L ,100um	SS316L ,100um
Connection	Ground joint	Integral SS316L	Stainless steel rubber stopper
Holder	SS316L	SS316L	SS316L

Matching & Selection Scheme for Multi-branch Filter, Vacuum Pump and Supporting Accessories

Filter Funnel Manifolds	Diaphragm Vacuum Pump	Liquid collecting bottle	Retentionbottle
MFA-1G MFA-1PTFE MFA-1S	VACP-D31 VACP-D51 VACP-D52 VACP-D102	MFA-LCB	MFA-RB
MFA-3G MFA-3PTFE MFA-3S MFA-3RS	VACP-D51 VACP-D52 VACP-D102	MFA-LCB	MFA-RB
MFA-6G MFA-6PTFE MFA-6S MFA-6RS	VACP-D102	MFA-LCB	MFA-RB