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Multiple Vacuum Filtration System

Introduction

1. Each station uses separate control valve for independent operation, easy to use and disinfect with a high efficiency.
2. This system can filtrate three or six samples at the same time at low rate, with a high sensitivity.
3. Sturdy won't tip when full loaded due to the units with low center of gravity.
4. Anodized aluminium handles at both ends are designed for positioning on bench top.
5. All MVFseries vacuum filtration devices are made of stainless steel which is suitable for filtration, especially in the microbiological field.

Model	Description	Picture
MVF0101S	1) Stainless Steel Manifold 2) One 300ml Stainless Steel Filtration Units 3) One Glass Collect Bottle 4) Two pieces of hosepipe	
MVF0101G	1) Stainless Steel Manifold 2) One 300ml Glass Filtration Units 3) One Glass Collect Bottle 4) Two pieces of hosepipe	
MVF0103S	1) Stainless Steel Manifold 2) Three 300ml Stainless Steel Filtratio Units 3) One Glass Collect Bottle 4) Two pieces of hosepipe	
MVF0103G	1) Stainless Steel Manifold 2) Three 300ml Glass Filtration Units 3) One Glass Collect Bottle 4) Two pieces of hosepipe	
MVF0106S	1) Stainless Steel Manifold 2) Six 300ml Stainless Steel Filtration Units 3) One Glass Collect Bottle 4) Two pieces of hosepipe	
MVF0106G	1) Stainless Steel Manifold 2) Six 300ml Glass Filtration Units 3) One Glass Collect Bottle 4) Two pieces of hosepipe	

Optional

Model	Description	Picture
MVFSM01	Stainless Steel Manifold, single	
MVFSM03	Stainless Steel Manifold, For Three Units	
MVFSM06	Stainless Steel Manifold, For Six Units	

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MVFF300G	**Glass Funnel, 300ml**	
MVFF300S	**Stainless Steel Funnel, 300ml**	

Vacuum Pump

Introduction

● It can be in service under the condition of no working medium (no oil) and will not produce any pollution. Moreover, there is filtering material in the air exchange bin to guarantee the air clean.

● New technologies and materials are used in production. It is easy to move and can work smoothly, which can guarantee the ideal vacuum and high rate of air flowing.

● It adopts the operation containing no friction, producing no calories and having no friction exhausts. The diaphragm is made of Nitrile Rubber, which resists the corrosion and has long operating life.

● The self-cooling air draft system is designed in the body. This system can keep the machine continuously running for 24 hours.

● The pressure can be regulated by a value to meet various vacuum needs withincertain range.

● The axletrees are classical, which are imported abroad. They have the features of steady running, low noise and high operating efficiency.

Application

1. Vacuum filtration.
2. Vacuum distillation.
3. Vacuum drying.
4. On rotary evaporators.
5. To extract and transfer gases.
6. Gel diying.

Specifications

VP020				
Speed of Evacuation environment(L/Min)	**12**	**Working Temp of pump body (°C)**	**<55**	
Dimensions(L x W x H)(mm)	**245*120*160**	**Noise Level(DB)**	**<60**	
Weight(Kg)	**4**	**Vacuum**	**250mbar**	
Voltage rating	**220Vac , 50Hz**	**Inlet(mm)**	Ø6	
Motor power(w)	**Single phase 75**	**Outlet(mm)**	Ø6	
Pump head	**1**	**Temperature of working(°C)**	**7-40**	
Extreme pressure	**≥0.075Mpa**	**Positive pressure**	**≥30Psi**	
Function	**Vacuum& Pressure**			

VP033A

Speed of Evacuation environment(L/Min)	20	Working Temp of pump body (°C)	<55	
Dimensions(L x W x H)(mm)	275*130*210	Noise Level（DB）	<60	
Weight(Kg)	7	Vacuum	200mbar	
Voltage rating	220Vac , 50Hz	Inlet(mm)	Ø6	
Motor power(w)	160	Outlet(mm)	silencer	
Pump head	1	Temperature of working(°C)	7-40	
Extreme pressure	≥0.08Mpa	Function	Vacuum	

VP050B

Speed of Evacuation environment(L/Min)	30	Working Temp of pump body (°C)	<55	
Dimensions(L x W x H)(mm)	350*130*220	Noise Level（DB）	<60	
Weight(Kg)	10	Vacuum	50mbar	
Voltage rating	220Vac , 50Hz	Inlet(mm)	Ø6	
Motor power(w)	160	Outlet (mm)	Ø6	
Pump head	1	Temperature of working(°C)	7-40	
Extreme pressure	≥0.095Mpa	Function	Vacuum	

VP050A

Speed of Evacuation environment(L/Min)	30	Working Temp of pump body (°C)	<55	
Dimensions(L x W x H)(mm)	230*180*265	Noise Level（DB）	<60	
Weight(Kg)	7.5	Vacuum	200mbar	
Voltage rating	220Vac , 50Hz	Inlet(mm)	Ø6	
Motor power(w)	160	Outlet(mm)	Ø6	
Pump head	1	Temperature of working(°C)	7-40	
Extreme pressure	≥0.08Mpa	Diaphragm Values	NBR	
Positive pressure	≥30Psi	Function	Vacuum&Pressure	

VP100A

Speed of Evacuation environment(L/Min)	60	Working Temp of pump body (°C)	<55	
Dimensions(L x W x H)(mm)	310*200*210	Noise Level（DB）	<60	
Weight(Kg)	10	Vacuum	200mbar	
Voltage rating	220Vac , 50Hz	Inlet(mm)	Ø6	
Motor power(w)	160	Outlet (mm)	Ø6	
Pump head	2	Temperature of working(°C)	7-40	
Extreme pressure	≥0.08Mpa	Diaphragm Values	NBR	
Positive pressure	≥30Psi	Function	Vacuum&Pressure	