

ак мна ильтра и VP, MVF, MVFSM, MVFF, GVF, VFP

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: mbd@nt-rt.ru || сайт: <https://microlab.nt-rt.ru/>



Vacuum Pump

Microlab offers the series diaphragm vacuum pump has the features of continuous oil free pumping, low noise level, higher efficiency, long lifetime. It is mainly used in medicinal products analysis, chemical engineering, biochemical pharmacy, food examination, investigating and solving criminal case, etc. It is the ideal product used with the high-accuracy chromatogram apparatus, and as backing pumps for (wide range) turbo molecular pumps. This range of vacuum pumps were developed especially for laboratory operations. It satisfies the highest in terms of precision, reliability and ease of use

Product Feature

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

APPLICATION

1. 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.
2. 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.
3. 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.
4. The self-cooling air draft system is designed in the body. This system can keep the machine continuously running for 24 hours.
5. The design can be regulated by pressure to meet the requirements of vacuum or controllable steady air stream within certain range.
6. The axletrees are classical, which are imported abroad. They have the features of steady running, low noise and high operating efficiency

Technical Specification

Item	Description			
VP020	Speed of Evacuation	15	Working Temp of pump body (°C)	<55
	environment(L/Min)			
	Dimensions	245*120*160	Noise Level (DB)	<60
	(L x W x H)(mm)			
	Weight(Kg)	4	Vacuum	250mbar
	Voltage rating	220Vac, 50Hz	Inlet(mm)	φ6
	Motor power(w)	Single phase 75	Outlet(mm)	φ6
	Pump head	1	Temperature of working(°C)	7-40
	Extreme pressure	≥0.075Mpa	Positive pressure	≥30Psi
	Function	Vacuum&Pressure		
VP033A	Speed of Evacuation	20	Working Temp of pump body (°C)	<55
	environment(L/Min)			
	Dimensions	270*130*210	Noise Level (DB)	<60
	(L x W x H)(mm)			
	Weight(Kg)	7	Vacuum	200mbar
	Voltage rating	220Vac, 50Hz	Inlet(mm)	φ6
	Motor power(w)	160	Outlet(mm)	silencer
	Pump head	1	Temperature of working(°C)	7-40
	Extreme pressure	≥0.08Mpa	Positive pressure	NBR
	Function	Vacuum		
VP050A	Speed of Evacuation	30	Working Temp of pump body (°C)	<55
	environment(L/Min)			
	Dimensions	230*180*265	Noise Level (DB)	<60
	(L x W x H)(mm)			
	Weight(Kg)	7.5	Vacuum	200mbar
	Voltage rating	220Vac, 50Hz	Inlet(mm)	φ6
	Motor power(w)	160	Outlet(mm)	φ6
	Pump head	1	Temperature of working(°C)	7-40
	Extreme pressure	≥0.08Mpa	Diaphragm Values	NBR
	Positive pressure	≥30Psi	Function	Vacuum&Pressure
VP050B	Speed of Evacuation	30	Working Temp of pump body (°C)	<55
	environment(L/Min)			
	Dimensions	350*130*220	Noise Level (DB)	<60
	(L x W x H)(mm)			
	Weight(Kg)	10	Vacuum	200mbar
	Voltage rating	220Vac, 50Hz	Inlet(mm)	φ6
	Motor power(w)	160	Outlet(mm)	φ6
	Pump head	2	Temperature of working(°C)	7-40
	Extreme pressure	≥0.095Mpa	Diaphragm Values	NBR
	Function	Vacuum		
VP100A	Speed of Evacuation	60	Working Temp of pump body (°C)	<55
	environment(L/Min)			
	Dimensions	310*200*210	Noise Level (DB)	<60
	(L x W x H)(mm)			
	Weight(Kg)	10	Vacuum	200mbar
	Voltage rating	220Vac, 50Hz	Inlet(mm)	φ6
	Motor power(w)	160	Outlet(mm)	φ6
	Pump head	2	Temperature of working(°C)	7-40
	Extreme pressure	≥0.08Mpa	Diaphragm Values	NBR
	Positive pressure	≥30Psi	Function	Vacuum&Pressure

Filtration System

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 within certain range.
- ▶ The axletrees are classical, which are imported abroad. They have the features of steady running, low noise and high operating efficiency

Application

- ▶ Vacuum filtration.
- ▶ Vacuum distillation.
- ▶ Vacuum drying.
- ▶ On rotary evaporators.
- ▶ To extract and transfer gases.
- ▶ Gel drying.

Order Information & Technique Data



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



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



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



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

Multiple Vacuum Filtration System

one filter three filter six filter



Microlab Scientific has introduced , a new turnkey filtration manifold system that can be combined with several different funnel options. Developed for flexibility and ease-of-use, MVF features a modular design and field - tested accessories that make it a more convenient and economical alternative than its conventional, single-funnel counterparts.

Product Feature

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 on both ends are designed for positioning on bench top.

Applications

1. Microbiological quality control (e.g. Escherichia coli detection), biochemistry, hydrobiology.
2. Residue analyses.
3. Serial filtration carried out rapidly and easily with a common drainage outlet.
4. Drinks (e.g. cold sludge in beer), foodstuffs (e.g. ice cream), cosmetics, pharmaceuticals, water, wastewater.
5. Precipitate analysis, contamination tests and so on.

Order Information

Item	Description
MVF0101S	1) Stainless Steel Manifold
	2) One 300ml Stainless Steel Filtration Unit

MVFF0101G	3) One Glass Collect Bottle
	4)Two pieces of hosepipe
	1) Stainless Steel Manifold
	2) One 300ml Glass Filtration Unit
MVFF0103S	3) One Glass Collect Bottle
	4)Two pieces of hosepipe
	1) Stainless Steel Manifold
	2)Three 300ml Stainless Steel Filtration Units
MVFF0103G	3) One Glass Collect Bottle
	4)Two pieces of hosepipe
	1) Stainless Steel Manifold
	2) Three 300ml Glass Filtration Units
MVFF0106S	3) One Glass Collect Bottle
	4)Two pieces of hosepipe
	1) Stainless Steel Manifold
	2) Six 300ml Stainless Steel Filtration Units
MVFF0106G	3) One Glass Collect Bottle
	4)Two pieces of hosepipe
	1) Stainless Steel Manifold
	2) Six 300ml Glass Filtration Units
MVFSM01	Stainless Steel Manifold, single
MVFSM03	Stainless Steel Manifold, For Three Units
MVFSM06	Stainless Steel Manifold, For Six Units
MVFF300G	Glass Funnel, 300ml
MVFF300S	Stainless Steel Funnel, 300ml



Glass Solvent Vacuum Filters

Vacuum Filter is used primarily in microbiological and analytical procedures that involve collecting a particulate (bacteria, precipitate, etc.) from a liquid suspension. Liquid poured into a funnel passes through a filter, which retains the particulate, and filtrate can be collected into a filter flask, directly or via a vacuum manifold. Applying vacuum reduces process time compared to gravity flow.

Product Feature

- 1.This product is made of high-quality extra hard glass. It is sparking and crystal-clear. Its thickness is even.
- 2.The performance of withstanding voltage and itsleakproofness is very good. Its size agrees with the international standard size.

Application

1. Widely used for chemistry analyses
2. Biochemical-pharmaceutical sanitation test environment test
3. Water quality analyses
4. Foodstuffs and beverage test
5. Science research and so on.
6. Vacuum filter aqueous, organic or corrosive liquids for particulate contamination analysis.
7. It is recommended for HPLC solvent filtration and it has the function of outgas to guarantee the clean of mobile Phase and avoid the blockage of HPLC liquid flow path.

Order Information

Item	Part No.	Description	Packaging
Glass Vacuum Filter	GVF30010	1) 300ml Glass Funnel with cover	1set
		2) 1000ml Glass Solvent Collection	

		3) Stainless Steel Clamp	
		4) Solid Glass Frit	
		Packaging: 30cmX30cmX25cm	
Glass Vacuum Filter	GVF30020	1) 300ml Glass Funnel with cover	1 set
		2) 2000ml Glass Solvent Collection	
		3) Stainless Steel Clamp	
		4) Solid Glass Frit	
		Packaging: 30cmX30cmX25cm	
Glass Vacuum Filter	GVF50020	1) 500ml Glass Funnel with cover	1 set
		2) 2000ml Glass Solvent Collection	
		3) Stainless Steel Clamp	
		4) Solid Glass Frit	
		Packaging: 30cmX30cmX25cm	



Disposable Vacuum Filtration

- 1.The system includes a polystyrene funnel with a polyethylene neck and a removable polystyrene storage bottle.
- 2.Volumes(ml):150,250,500 and 1000.
- 3.Filter membranes:Nylon,PES,Hydrophilic PVDF/MCE/CA.
- 4.Pore size(μm):0.22 and 0.45.
- 5.Widely used for filtering and storing cell culture media, biological fluids, and other aqueous solutions.

Order Information

Complete system, contain funnel and storage bottle.12pcs/cs

		NY	PES	CA	MCE	Hydrophilic PVDF
150ml	0.22	VFPNY150022	VFPPE150022	VFPCA150022	VFPMCE150022	VFPPVL150022
150ml	0.45	VFPNY150045	VFPPE150045	VFPCA150045	VFPMCE150045	VFPPVL150045
250ml	0.22	VFPNY250022	VFPPE250022	VFPCA250022	VFPMCE250022	VFPPVL250022
250ml	0.45	VFPNY250045	VFPPE250045	VFPCA250045	VFPMCE250045	VFPPVL250045
500ml	0.22	VFPNY500022	VFPPE500022	VFPCA500022	VFPMCE500022	VFPPVL500022
500ml	0.45	VFPNY500045	VFPPE500045	VFPCA500045	VFPMCE500045	VFPPVL500045
1000ml	0.22	VFPNY100022	VFPPE100022	VFPCA100022	VFPMCE100022	VFPPVL100022
1000ml	0.45	VFPNY100045	VFPPE100045	VFPCA100045	VFPMCE100045	VFPPVL100045

Funnel 24pcs/cs

		NY	PES	CA	MCE	Hydrophilic PVDF
150ml	0.22	VFPNY150022T	VFPPE150022T	VFPCA150022T	VFPMCE150022T	VFPPVL150022T
150ml	0.45	VFPNY150045T	VFPPE150045T	VFPCA150045T	VFPMCE150045T	VFPPVL150045T
250ml	0.22	VFPNY250022T	VFPPE250022T	VFPCA250022T	VFPMCE250022T	VFPPVL250022T
250ml	0.45	VFPNY250045T	VFPPE250045T	VFPCA250045T	VFPMCE250045T	VFPPVL250045T
500ml	0.22	VFPNY500022T	VFPPE500022T	VFPCA500022T	VFPMCE500022T	VFPPVL500022T
500ml	0.45	VFPNY500045T	VFPPE500045T	VFPCA500045T	VFPMCE500045T	VFPPVL500045T
1000ml	0.22	VFPNY100022T	VFPPE100022T	VFPCA100022T	VFPMCE100022T	VFPPVL100022T
1000ml	0.45	VFPNY100045T	VFPPE100045T	VFPCA100045T	VFPMCE100045T	VFPPVL100045T

Storage bottle, 24pcs/cs

150ml	VFP150B
250ml	VFP250B
500ml	VFP500B
1000ml	VFP1000B

Filtration System

Glass Solvent Vacuum Filters



Introduction

- ▶ This product is made of high-quality extra hard glass. It is sparking and crystal-clear. Its thickness is even.
- ▶ The performance of withstanding voltage and its leakproofness is very good. Its size agrees with the international standard size.

Order Information:

Item	Description	Packing
GVF30010	1) 300ml Glass Funnel with cover 2) 1000ml Glass Solvent Collection 3) Stainless Steel Clamp 4) Solid Glass Frit Packaging: 28cm*29cm*29cm	1set
GVF30020	1) 300ml Glass Funnel with cover 2) 2000ml Glass Solvent Collection 3) Stainless Steel Clamp 4) Solid Glass Frit Packaging: 32cm*33cm*24cm	1set
GVF50020	1) 500ml Glass Funnel 2) 2000ml Glass Solvent Collection 3) Stainless Steel Clamp 4) Solid Glass Frit Packaging: 32cm*33cm*24cm	1set

Filtration System

Multiple Vacuum Filtration System

Introduction

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

Part No.	Description	
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	

Part No.	Description	
MVFSM01	Stainless Steel Manifold, single	
MVFSM03	Stainless Steel Manifold, For Three Units	
MVFSM06	Stainless Steel Manifold, For Six Units	
MVFF300G	Glass Funnel, 300ml	
MVFF300S	Stainless Steel Funnel, 300ml	

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: mbd@nt-rt.ru || сайт: <https://microlab.nt-rt.ru/>