

Manifolds Vacuum Filtration



Product Introduction:

- * It is convenient to filtrate several samples at the same time.
- * 316L stainless steel holder, corrosion resistance, acid and alkali resistance.
- * Each holder has individual control valve, so one vacuum pump can support operations of single and multi-branch manifold filter.
- * It can be widely used in chemistry analysis, pharmaceutical, sanitation test, water quality analysis, science research fields and so on.

Standard Accessory:

- * Lid
- * Stainless steel valve
- * Clamp of aluminum alloy
- * 316L stainless steel holder
- * Glass funnel (300ml) / 316L stainless steel funnel (300ml)
- * Borosilicate glass filter head / 316L stainless steel filter head

Technical Parameters:

Model	Type	Funnel	Support Screen&Pore Size	Connection	Holder	Package Size(W*D*H)	G.W.
MVF-1G	1-branch	Glass	PTFE, 20µm	Ground Joint	SS316	270*230*130mm	3kg
MVF-1S		SS316	SS316,100µm	Integral, SS316	SS316	270*230*130mm	3kg
MVF-3G	3-branch	Glass	PTFE, 20µm	Ground Joint	SS316	480*260*130mm	6kg
MVF-3S		SS316	SS316,100µm	Integral, SS316	SS316	480*260*130mm	6kg
MVF-6G	6-branch	Glass	PTFE, 20µm	Ground Joint	SS316	900*260*130mm	11kg
MVF-6S		SS316	SS316,100µm	Integral, SS316	SS316	900*260*130mm	12kg

Solvent Filtration Apparatus



Applications:

Solvent filter is a regular device of chemistry lab, it is indispensable equipment for HPLC analysis. This device can also be used in instrumental analysis, sanitary inspection, pharmaceutical industry, pesticide liquid filtration, petroleum, environmental monitoring fields. It can monitor and remove the particles and bacteria in the liquid.

Features:

- * It is made of high quality toughened glass.
- * With good press-resistance and leakproofness, it could be used for sterilizing at high temperature of 121°C.
- * The PTFE type is acid and alkali resistant, corrosion resistant, can filter all kinds of aqueous solution, organic solution and corrosive liquid.

Standard Accessory:

Solvent Filter system consists of solvent filter

Filter Include:

- * Triangle fluid bottle
- * Core filter head
- * Filter bowl
- * Clamp
- * Dust cover
- * Rubber hose
- * Hose linker

Technical Parameters:

Model	Funnel	Pore Size of Filter	Material Support Screen	Receiving Bottle	Membrane
SFA-50.1L	300ml	10µm	Pyrex glass	1000ml	Φ47 or Φ50mm
SFA-50.2L	500ml	10µm	Pyrex glass	2000ml	Φ60mm
SFA-50.PT	300ml	20µm	PTFE	1000ml	Φ47 or Φ50mm

Vacuum Pump



Features:

- * Oil free, clean exhausted air by built-in filter.
- * Automatic cooling exhaust system ensures 24h operation continuously.
- * The pressure adjustable design can satisfy a certain range of vacuum and gas velocity.
- * TEFLON surface treatment, anti-gas corrosion.
- * Orange look for anticorrosive vacuum pump.(eg: GM-0.33IIP, GM-0.5P, GM-0.5IIP, GM-1.0P)

Technical Parameters:

Model	GM-0.20	GM-0.5II	GM-0.5	GM-0.33II	GM-1.0
Pump Head	1	2	1	1	2
Speed of Evacuation	12L/Min	30L/Min	30L/Min	20L/Min	60L/Min
Ultimate Pressure	≥0.075Mpa	≥0.095Mpa	≥0.08Mpa	≥0.08Mpa	≥0.08Mpa
Vacuum	250mbar	50mbar	200mbar	200mbar	200mbar
Pressure	≥30 Psi Positive or negative pressure	Negative pressure	≥30 Positive, Positive or negative pressure	Negative pressure	≥30 Positive, Positive or negative pressure
Inlet	φ6mm	φ6mm	φ6mm	φ6mm	φ6mm
Outlet	φ6mm	Silencer	φ6mm	Silencer	φ6mm
Working Temp.	7-40°C				
Body Temp.	<55°C				
Noise	<60dB			<50dB	
Motor Power Consumption	75W	160W			
Power Supply	AC110/220V±10%, 50/60Hz				
Diaphragm	NBR				
Valves	/	NBR			
Net Weight(kg)	4	10	6.6	6.2	10
Gross Weight(kg)	4.5	11	7.6	7.5	11
External Size(L*W*H) mm	195*98*156	300*120*235	210*160*235	215*120*235	300*160*235
Package Size(L*W*H) mm	330*210*240	314*205*316	300*210*310	315*200*310	380*340*270

Rotary Slice Vacuum Pump



Website: www.biobase.cc / www.meihuatrade.com

Features:

- * Rotary slice pump with dipole unit construction structure
- * Exhaust air and vacuum the equipment serialize the process of refrigeration, drying and sealing of container to make it complete
- * Small volume, light weight, low noise and easy to operate. (This series of product could not be used as compressor pump or delivery pump)

Technical Parameters:

Model	XP-0.5	XP-1	XP-2	XP-4	XP-6	XP-8	XP-15	XP-25
Speed of Exhaust (L/S)	0.5	1	2	4	6	8	15	25
Speed	1400rpm							
Ultimate Vacuum (Pa)	6*10 ⁻²							
Consumption	180W	250W	370W	550W	750W	1110W	1500W	3000W
Power Supply	AC110/220V±10%, 50/60Hz				AC380V, 50Hz			
External Size (L*W*H) mm	462*131*250	484*131*250	481*146*265	525*146*265	580*195*380	640*245*430	760*350*520	960*550*630
Package Size (L*W*H) mm	530*205*320	570*210*320	590*210*340	610*210*345	640*270*410	700*310*475	820*410*580	1020*600*780
Gross Weight(kg)	7.85	20.45	24.35	26.5	43	67.8	100	120

Peristaltic Pump

Compact Peristaltic Pump



Features:

- * Low power consumption.
- * 304 stainless steel housing, resist corrosion. (CPP-SP series)
- * Support RS485 with MODBUS protocol, convenient to connect with PLC.
- * Embedded design, small volume, suitable for installing in other instruments. (CPP,EM series)

Technical Parameters:

Model	CPP-EM1		CPP-SP1		CPP-EM2		CPP-SP2
Drive	MEM-MiniPump		SP-MiniPump		EM-MiniPump		SP-MiniPump
Pump Head	MiniPump 01				MiniPump 02		
Channel	1				2		
Tubing	13#	14#	16#	25#	1*1	2*1	2.5*1
Flow Rate(ml/min)	0.0024	0.0112	0.0394	0.0652	0.005	0.018	0.0256
	-8.28	-33.88	-114.31	-190.00	-15.01	-54.63	-76.84
Flow Rate Range	0.0024~190ml/min						
Speed Range	0.1~300rpm, reversible						
Speed Resolution	0.1rpm						
Flow Rate Resolution	0.01ml						
Motor Type	42 stepper motor						
Display	OLED screen		LED screen		OLED screen		LED screen
Control Method	Mask keypad		Toggle switch and digital knob		Mask keypad		Toggle switch and digital knob
External Control	0~5V, 0~10V, 4~20mA; RS485 communication interface, MODBUS protocol.						
Environment Temperature	0~40°C						
Relative Humidity	<80%						
IP Rate	IP31						
Power Supply	24V DC, with power adapter.						
Consumption	<15W						
Drive External Size (L*W*H) mm	110*120*120		136*113*108		110*120*120		136*113*108

Standard Peristaltic Pump SPP-LabN Series

Features:

- * 3.2 inch LCD screen displays working parameters in real time.
- * Super silent drive setting, precise control, low vibration and low noise.
- * Automatical temperature control system, reduce the noise of fan effectively.
- * Load-shedding memory function, store parameters in time, safe and reliable.
- * Touch keypad control, menu interface, convenient to set the parameters.
- * Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
- * Timing function, the time range is 0.1s - 9999 hours, can be used for simple dispensing function.
- * 0~360°back suction angle setting, can avoid the fluid drop off when transferring viscous fluid.
- * Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
- * Nx-CIR circuit system, use imported chips, computing speed fast, reliable performance, working stable.
- * Support RS232/RS485 communication interface, MODBUS communication protocol, meet different industrial request.
- * Various external control functions, support 0-5V, 0-10V, 4-20mA analog signal control speed, has Nx - EMB - PGM programmable external control function.



Product Composition and Flow Rate Range:

Standard Peristaltic Pump		Model	SPP-LabN1	SPP-LabN3	SPP-LabN6
		Drive&Speed	LabN1	LabN3	LabN6
		Tubing	0.1~150rpm	0.1~350rpm	0.1~600rpm
Pump	YZ1515x	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.007~570	0.007~1330	0.007~2280
	YZ2515x	15#, 24#	0.17~435	0.17~1035	0.17~1740
Head & Flow Rates (ml/min)	MC1-MC12(10)	ID: 0.13~3.17mm Wall Thickness: 0.8~1mm	0.000067~32(suggest working rotating speed less than 150rpm)	/	/
	MC1-MC12(6)		0.00008~45(suggest working rotating speed less than 150rpm)	/	/

Pump Head:



MC1-MC12

YZ1515X/YZ2515X

Drive Technical Parameters:

Drive	LabN1	LabN3	LabN6
Flow Rate Range	0.000067~570ml/min	0.007~1330ml/min	0.007~2280ml/min
Speed Range	0.1~600rpm		
Speed Resolution	0.1rpm		
Flow Rate Accuracy	< ±0.5%		
Outlet Pressure	0.1Mpa (0.86~1.0mm wall thickness tubing) 0.1-0.27Mpa (1.6~2.4mm wall thickness tubing)		
Motor Type	Stepper motor		
Circuit System	Nx-CIR		
Control System	Nx-EMB		
Control Method	Touch keypad		
Display	LCD screen		
External Control Speed Signal	0~5V(standard) 0~10V, 4~20mA(optional)		
Start/Stop Direction Singal	Passive switch signal, such as foot pedal switch Active switch signal: 5V, 12V and 24V for option		
Communication Interface	RS232/RS485 support MODBUS protocol (RTU mode)		
Ambinet Temperature	0~40°C		
Relative Humidity	< 80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	< 50W		
Drive External Size (L*W*H) mm	216.4*157.3*230.7		

Standard Peristaltic Pump SPP-N6 Series



Features:

- * Load-shedding memory function.
- * Timing test function, time range is 0.5-999 seconds.
- * Rotary encoded switch can identify the target speed intelligently.
- * Servo motor drive, precise control, strong power, low vibration and low noise.
- * N-EMB operation system, embedded software design, powerful function, friendly interface.
- * Membrane keypad control: start/stop, direction, timing test, external control mode selection.
- * N-CIR circuit system, use imported chips, computing speed fast, reliable performance, working stable.
- * Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
- * Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
- * 304 stainless steel housing, use seamless welding technology, avoid accidental spilled liquid on the housing infiltrate inside, to protect the inside circuit board.
- * DZ25-3L, DZ25-6L, YZ35-PPS pump head, aluminum alloy material, 304 stainless steel rollers, strong rigidity, high accuracy, reliable performance.
- * Selectable different external control ways. Analog signals (0-5V, 0-10V, 4-20mA) control speed, switch signal control start/stop and direction. RS232, RS485 communication interface, support MODBUS protocol. Convenient for external control.

Product Composition and Flow Rate Range:

Model	Drive	Motor Type	Pump Head	Tubing Size	Speed Range	Flow Rate Range
SPP-N6-3L	N6-3L	Stepper Motor/ Servo Motor	DZ25-3L	15#, 24#, 35#, 36#	0.1~600rpm	0.211~3600ml/min
SPP-N6-6L	N6-6L	Servo Motor	DZ25-6L	15#, 24#, 35#, 36#		0.3~6000ml/min
SPP-N6-12L	N6-12L		YZ35	26#, 73#, 82#		0.69~12000ml/min

Pump Head:



Drive Technical Parameters:

Drive	N6-3L	N6-6L	N6-12L
Flow Rate Range	0.211~3600ml/min	3~6000ml/min	0.0069~12l/min
Speed Range	0.1~600rpm		
Speed Resolution	0.1rpm in the range of 0~100rpm; 1rpm in the range of 100~600rpm		
Flow Rate Accuracy	< ±0.5%		
Outlet Pressure	0.3Mpa		
Motor Type	Servo motor		
Circuit System	N-CIR		
Control System	N-EMB		
Control Method	Membrane keypad		
Display	LED screen		
External Control Speed Signal	0~5V(standard) 0~10V, 4~20mA(optional)		
Start/Stop Direction Signal	Passive switch signal, such as foot pedal switch Active switch signal: 5V, 12V and 24V for option		
Communication Interface	RS232(standard), N232 communication protocol; RS485(optional) MODBUS protocol (RTU mode)		
Ambinet Temperature	0~40°C		
Relative Humidity	< 80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	< 80W	< 180W	< 300W
Drive External Size(L*W*H) mm	223*152*168	283*192*218	302*222*275

Dispensing Peristaltic Pump DPP-LabF/F Series



Features:

- * Load-shedding memory function.
- * Stepper motor drive, control precisely.
- * Store 60 commonly used filling modes, save users setting time.
- * Automatic temperature control system, reducing the fan noise effectively.
- * Online micro adjusting function: adjust the flow rate without stop the pump.
- * Back suction angle setting, avoid liquid drop off when the pump stop working.
- * ABS engineering plastic housing, resist corrosion, no rust (DPP-LABF Series)
- * Fast filling function, not only can be used for washing the tubing, but also can fill liquid to the tubing fast.
- * Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
- * Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
- * 304 stainless steel housing, resist corrosion, no rust, conform to GMP sanitary request. (DPP-F series)
- * F-CIR circuit system all use imported chips, computing fast, reliable performance, working stable.
- * Intelligent calibration function, ensure the flow rate accuracy. Suitable for high precision liquid filling.
- * 4.3 inch color LCD screen, touch screen control, dynamic display working status, flow volume and motor speed, etc.
- * F-EMB operation system, embedded software design, powerful function, friendly interface, attention to users' experience.
- * External control start/stop function, it can connect with foot pedal switch, also can be unified controlled by the host computer when working in filling line.
- * The dispensing total number counting function, need to clear the numbers by manual, convenient for counting dispensing numbers when manual dispensing.

Product Composition and Flow Rate Range:

Dispensing Peristaltic Pump	Model	Drive&Speed			
		LabF1/F1	LabF3/F3	LabF6/F6	
	Tubing	1~150rpm	1~350rpm	1~600rpm	
Pump Head & Flow Rates (ml/min)	YZ1515x	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.07~570	0.07~1330	0.07~2280
	YZ2515x	15#, 24#	1.7~435	1.7~1035	1.7~1740
	MC1~MC12(10)	ID: 0.13~3.17mm Wall Thickness: 0.86~1mm	0.000067~32(suggest working rotating speed / less than 150rpm)	0.00008~45(suggest working rotating speed / less than 150rpm)	/
	MC1~MC12(6)			/	

Pump Head:



Drive Technical Parameters:

Drive	LabF1/F1	LabF3/F3	LabF6/F6
Flow Rate Range	0.00067~570ml/min	0.07~1330ml/min	0.07~2280ml/min
Speed Range	1~600rpm		
Speed Resolution	0.01 rpm		
Flow Rate Accuracy	<±0.5%		
Motor Type	Stepper motor		
Circuit System	DPP-LabF series: LabF-CIR; DPP-F series: F-CIR		
Control System	DPP-LabF series: LabF-EMB; DPP-F series: F-EMB		
Control Method	Touch screen and membrane keypad		
Display	4.3 inch-industrial grade-true color LCD screen		
External Control Speed Signal	0~5V(standard), 0~10V, 4~20mA(optional)		
Start/Stop, Direction Singal	Passive switch signal, such as foot pedal switch; Active switch signal: 5V, 12V		
Ambinet Temperature	0~40°C		
Relative Humidity	<80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	<50W		
Drive External Size (L*W*H) mm	DPP-LabF series: 216.4*157.3*230.7 DPP-F series: 213*152*235		

Intelligent Flow Rate Peristaltic Pump FPP-LabV/V Series



LabV Series

V Series

Features:

- * Timing start and stop function.
- * Fixed time and volume function.
- * Fixed volume measurement function.
- * 304 stainless steel housing, resist corrosion, no rust. (FPP-V series)
- * Online micro adjusting function: adjust the flow rate without stop the pump.
- * Fast fluid-filled function, can wash the tubing and also fill fluid in the tubing.
- * ABS engineering plastic housing, resist corrosion, no rust (FPP-LabV Series)
- * Accurate angle control technology, to meet high precision metering and dispensing.
- * Load-shedding memory function, store the running parameters in time, safe and reliable.
- * 4.3 inch color LCD screen, touch screen control, dynamic display working status, flow volume and motor speed, etc.
- * High torque and low power loss, it can load several pump heads or multichannel pump head, meet different application requests.

Product Composition and Flow Rate Range:

Flow Rates Peristaltic Pump	Model	Drive&Speed		
		FPP-LabV1/FPP-V1	FPP-LabV3/FPP-V3	FPP-LabV6/FPP-V6
	Tubing	LabV1/V1 0.1~150rpm	LabV3/V3 0.1~350rpm	LabV6/V6 0.1~600rpm
Pump Head & Flow Rates (ml/min)	YZ1515x	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.007~570	0.007~1330
	YZ2515x	15#, 24#	0.17~435	0.17~1035
	MC1-MC12(10)	ID: 0.13~3.17mm Wall Thickness: 0.8~1mm	0.000067~32(suggest working rotating speed less than 150rpm)	/
	MC1-MC12(6)		0.00008~45(suggest working rotating speed less than 150rpm)	/

Pump Head:



MC1-MC12

YZ1515X/YZ2515X

Drive Technical Parameters:

Drive	LabV1/V1	LabV3/V3	LabV6/V6
Flow Rate Range	0.000067~570ml/min	0.007~1330ml/min	0.007~2280ml/min
Speed Range	0.1~600rpm		
Speed Resolution	0.01rpm		
Flow Rate Accuracy	<±0.5%		
Back Suction Angle	0~360°C		
Outlet Pressure	0.1Mpa(0.86~1.0mm wall thickness tubing) 0.1~0.27Mpa(1.6~2.0mm wall thickness tubing)		
Motor Type	Stepper motor		
Circuit System	FPP-LabV series: LabV-CIR; FPP-V series: V-CIR;		
Control System	N-EMB FPP-LabV series: LabV-EMB; FPP-V series: V-EMB;		
Control Method	Touch screen and membrane keypad		
Display	LCD screen		
External Control Speed Signal	0~5V, 0~10V, 4~20mA for option		
Start/Stop Direction Signal	Passive switch signal, such as: foot pedal switch Active switch signal: 5V, 12V and 24V for option		
Communication Interface	RS232/RS485 support MODBUS protocol(RTU mode)		
Ambient Temperature	0~40°C		
Relative Humidity	<80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	<50W		
Drive External Size (L*W*H) mm	FPP-LabV series: 216.4*157.3*236.9; FPP-V series: 219.4*152*211.6		