

Pump

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.
(This function does not apply to model GM-0.20)
- * 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	15L/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℃				
Body Temp.	<55℃				
Noise	<60dB				
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

Intelligent Flow Rate Peristaltic Pump FPP Series



Features:

- * Storage function——user data storage function:(9 sets of filling data) , support RS485/MODBUS communication protocol, analog control ((0-5V, 0-10V, 4-20mA...)).
- * External control function——Multiple mode selection: communication mode, analog mode, foot switch control. Provide customized services.
- * Memory function——data will be stored in time after power off.
- * Calibration function——intelligent flow calibration: after setting the target flow, input the actual flow value, and the system will automatically carry out flow calibration to ensure the flow accuracy.
- * Full speed function——one button to control full speed operation, used for quick cleaning, filling and emptying tubes, etc
- * Suckback function——By setting Suckback angle and Suckback speed to prevent liquid dripping and ensure fluid accuracy.
- * Lock screen function——lock screen design, error proof touch, application more secure.
- * LCD touch screen, real-time display of operation status and working parameters.
- * Whole housing design-stainless steel housing, sturdy and durable , multi-face seamless whole housing design, Long service life, high cost performance.

Technical Parameters:

Model	FPP-BT100LC	FPP-BT300LC	FPP-BT600LC
Pump Head	YZ1515x, YZ2515x, DG series(only FPP-BT100LC)		
Speed Range	0.1-100rpm(Reversible)	0.1-300rpm(Reversible)	0.1-600rpm(Reversible)
Speed Resolution	0.1rpm		
Flow Range	0.0015-380ml/min	0.007-1140ml/min	0.007-2280ml/min
Filling Precision	<±0.5%		
Display	LCD		
Back Suction Angle	10°~720°		
Back Suction Speed	10~100rpm	10~300rpm	
Optional Accessory	Foot switch		
Environmental	Temperature: 0 ~ 40 ℃;		
Conditions	Humidity: < 80%, no condensation		
Consumption	22W	35W	50W
Power Supply	AC110/220V±10%, 50/60Hz		
Instrument Size(W*D*H)	212*140*240mm		
Package Size(W*D*H)	363*253*353mm		
Gross Weight	6kg		6.9kg

Pump Head:



YZ1515X



DG Series



YZ2515X

Pump Parameters:

Standard Peristaltic Pump SPP Series		Model	FPP-BT100LC	FPP-BT300LC	FPP-BT600LC
		Speed Range	0.1-100rpm (Reversible)	0.1-300rpm (Reversible)	0.1-600rpm (Reversible)
		Tubing			
Pump	YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	2*YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	2*YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
Head& Single channel flow	DG-1(6)	0.5*0.8, 1*1, 2*1,	0.002~36ml/min	/	/
	DG-1(10)		0.0015~27ml/min	/	/
	DG-2(6)		0.002~36ml/min	/	/
	DG-2(10)	2.4*0.8, 3*1	0.0015~27ml/min	/	/
	DG-4(6)		0.002~36ml/min	/	/
	DG-4(10)		0.0015~27ml/min	/	/

Dispensing Peristaltic Pump DPP Series



Features:

- * Storage function—user data storage function:(9 sets of filling data) , support RS485/MODBUS communication protocol, analog control ((0-5V, 0-10V, 4-20mA...)).
- * External control function—Multiple mode selection: communication mode, analog mode, foot switch control,Provide customized services.
- * Memory function—data will be stored in time after power off.
- * Calibration function—intelligent flow calibration: after setting the target flow, input the actual flow value, and the system will automatically carry out flow calibration to sure the flow accuracy.
- * Full speed function—one button to control full speed operation, used for quick cleaning, filling and emptying tubes, etc
- * Suckback function—By setting Suckback angle and Suckback speed to prevent liquid dripping and ensure fluid accuracy.
- * Lock screen function—lock screen design, error proof touch, application more secure.
- * LCD touch screen, real-time display of operation status and working parameters.
- * Whole housing design-stainless steel housing, sturdy and durable , multi-face seamless whole housing design, Long service life, high cost performance.

Technical Parameters:

Model	DPP-BT100FC	DPP-BT300FC	DPP-BT600FC
Pump Head	YZ1515x, YZ2515x, DG series(only DPP-BT100FC)		
Speed Range	0.1-100rpm(Reversible)	0.1-300rpm(Reversible)	0.1-600rpm(Reversible)
Speed Resolution	0.1rpm		
Flow Range	0.0015-380ml/min	0.007-1140ml/min	0.007-2280ml/min
Filling Precision	<±0.5%		
Display	LCD		
Back Suction Angle	10°~720°		
Back Suction Speed	10~100rpm	10~300rpm	
Optional Accessory	Foot switch		
Environmental Conditions	Temperature: 0 ~ 40 ℃; Humidity: < 80%, no condensation		
Consumption	22W	35W	50W
Power Supply	AC110/220V±10%, 50/60Hz		
Instrument Size(W*D*H)	212*140*240mm		
Package Size(W*D*H)	363*253*353mm		
Gross Weight	6ka		6.9ka

Pump Head:



YZ1515X



DG Series



YZ2515X

Pump Parameters:

Standard Peristaltic Pump SPP Series		Model	DPP-BT100FC	DPP-BT300FC	DPP-BT600FC
		Speed Range	0.1-100rpm (Reversible)	0.1-300rpm (Reversible)	0.1-600rpm (Reversible)
		Tubing			
Pump	YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	2*YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	2*YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
Head&Single channel	DG-1(6)	0.5*0.8, 1*1, 2*1, 2.4*0.8, 3*1	0.002~36ml/min	/	/
	DG-1(10)		0.0015~27ml/min	/	/
	DG-2(6)		0.002~36ml/min	/	/
	DG-2(10)		0.0015~27ml/min	/	/
flow	DG-4(6)		0.002~36ml/min	/	/
	DG-4(10)		0.0015~27ml/min	/	/

Standard Peristaltic Pump SPP Series



Features:

- * LED display.
- * Support RS485 / MODBUS communication protocol, analog control (0-5V, 0-10V, 4-20mA...) foot switch control.
- * Program control.
- * Memory function——data will be stored in time after power off.
- * Full speed function——one button to control full speed operation, used for quick cleaning, filling and emptying tubes, etc.

Technical Parameters:

Model	SPP-BT100M	SPP-BT300M	SPP-BT600M
Pump Head	YZ1515x, YZ2515x, DG series(only SPP-BT100M)		
Speed Range	0.1-100rpm(Reversible)	0.1-300rpm(Reversible)	0.1-600rpm(Reversible)
Speed Resolution	0.1rpm		
Flow Range	0.0015-380ml/min	0.007-1140ml/min	0.007-2280ml/min
Filling Precision	≤±0.5%		
Display	4-LED display		
Back Suction Speed	10~100rpm	10~300rpm	
Optional Accessory	Foot switch		
Environmental Conditions	Temperature: 0 ~ 40 °C; Humidity: < 80%, no condensation		
Consumption	22W	35W	50W
Power Supply	AC110/220V±10%, 50/60Hz		
Instrument Size(W*D*H)	234*154*143mm		254*184*150mm
Package Size(W*D*H)	393*243*243mm		403*283*253mm
Gross Weight	5.15kg		5.8kg

Pump Head:



YZ1515X



DG Series



YZ2515X

Pump Parameters:

Standard Peristaltic Pump SPP Series		Model	SPP-BT100M	SPP-BT300M	SPP-BT600M
		Speed Range	0.1-100rpm (Reversible)	0.1-300rpm (Reversible)	0.1-600rpm (Reversible)
		Tubing	(Reversible)	(Reversible)	(Reversible)
Pump Head& Single channel flow	YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	2*YZ1515x	13#,14#,19#, 16#,25#,17#,18#	0.007-380ml/min	0.007-1140ml/min	0.007-2280ml/min
	2*YZ2515x	15#,24#	0.17-290ml/min	0.17-870ml/min	0.17-1740ml/min
	DG-1(6)	0.5*0.8, 1*1, 2*1, 2.4*0.8, 3*1	0.002~36ml/min	/	/
	DG-1(10)		0.0015~27ml/min	/	/
	DG-2(6)		0.002~36ml/min	/	/
	DG-2(10)		0.0015~27ml/min	/	/
	DG-4(6)		0.002~36ml/min	/	/
	DG-4(10)		0.0015~27ml/min	/	/

Dispensing Peristaltic Pump DPP-BT-F Series

Features:

- * True color LCD display, touch screen and button operation;
- * LF-touch-OS software system, efficient and stable, with good human-computer interaction mode, convenient product customization and upgrade;
- * With liquid allocation, time allocation, copy allocation of three working modes;
- * Pre-store five groups of assignment parameters for various working modes;
- * Motor precise rotation Angle control technology reduces the traditional time control distribution mode due to motor slow start and other factors
- * The distribution error caused by;
- * With start-stop, positive and negative rotation, full speed, speed regulation, state memory and other basic functions;
- * Speed resolution of 0.1rpm;
- * Flow display, flow control, fluid accumulation;
- * With flow correction function;
- * Peristaltic pump expert system for maximum user convenience;
- * Intelligent temperature control function to minimize the noise of peristaltic pump;
- * External high& low-level control start and stop, positive and negative, simple packing, optical coupling isolation; External control analog quantity to adjust the speed;
- * RS485 communication, compatible with Modbus protocol, convenient to connect with various control devices;
- * The internal structure adopts double-layer isolation design, and the circuit board is sprayed with three-proof paint process to achieve dustproof and moisture-proof effect;
- * Strong anti-interference characteristics, wide voltage design, suitable for complex power supply environment;
- * The driver shell is made of ABS engineering plastic, streamline design, beautiful and practical;
- * Multiple pump heads can be installed for different combination of pump heads and drivers;
- * The function of distributing filling can be realized through the external pedal switch to control the start and stop



Technical Parameters

Model	DPP-BT101F	DPP-BT301F	DPP-BT601F
Flow Range	0.0001~720ml/min	0.006~1690ml/min	0.006~2900ml/min
Rotation Range	0.1~150rpm	0.1~350rpm	0.1~600rpm
Speed Resolution	0.1rpm		
Dispensed Liquid Volume Range	0.05ml~9999l		
Dispensed Frequency Range	1 to 999 times, "0" means infinite loop		
Dispensed Interval Time	0.1~999.9 seconds/minute/hour, time unit is adjustable		
Speed Accuracy	<±0.2%		
Power Supply	AC 100~240V, 50Hz/60Hz		
Power	<30W	<40W	<50W
External Control Interface	External control input level 5V, 12V (standard), 24V (optional);		
Communication Interface	external control analog 0-5V (standard), 0-10V, 4-20mA (optional) RS485 communication, compatible with Modbus protocol		
Working Environment	Ambient temperature 0~40℃, relative humidity <80%		
Protection Level	IP31		
Overall Dimensions (L*W*H)	261*180*197mm		
Drive Weight	4.5kg	4.7kg	4.9kg
Packing Size	430*290*320mm		
Gross Weight	8kg		

Pump Head:



DG type



DT type



YZ15/YZ25



YT15/YT25

Applicable Pump Head, Hose& Flow Parameters

Driver Model	Applicable pump head	Number of channels	Applicable hose	Single channel flow rate (ml/min)
FPP-BT101F	DG (6 Scroll wheel)	1、2、4	Wall thickness 0.8~1mm, Inner diameters≤3.17mm	0.0002~49
	DG (10 Scroll wheel)	1、2、4	Wall thickness 0.8~1mm, Inner diameters≤3.17mm	0.0001~41
	DT10-18	1	13#14#, Wall thickness 0.8~1mm, Inner diameters≤3.17mm	0.0002~82
	DT10-28	2	13#14#, Wall thickness 0.8~1mm, Inner diameters≤3.17mm	0.0002~82
	YZ15	1	13#14#19#16#25#17#	0.006~420
	YZ25	1	15#24#	0.16~420
	YT15	1	13#14#19#16#25#17#18#	0.006~570
FPP-BT301F	YT25	1	15#24#35#36#	0.17~720
	YZ15	1	13#14#19#16#25#17#	0.006~990
	YZ25	1	15#24#	0.16~990
	YT15	1	13#14#19#16#25#17#18#	0.006~1300
FPP-BT601F	YT25	1	15#24#35#36#	0.16~1690
	YZ15	1	13#14#19#16#25#17#	0.006~1700
	YZ25	1	15#24#	0.16~1700
	YT15	1	13#14#19#16#25#17#18#	0.006~2300
	YT25	1	15#24#35#36#	0.16~2900

Standard Peristaltic Pump SPP-BT-S Series

Features:

- * 4-digit LED digital tube displays the speed and working mode;
- * LF-LED-OS software system;
- * LED indicator shows the working status of positive and negative, internal control, external control, foot switch, etc.;
- * Toggle switch and knob are combined for operation;
- * It has basic functions such as start and stop, forward and reverse, full speed, speed regulation, state memory, etc.;
- * Simple dispensing control, realizing the function of repeatedly transferring quantitative liquids;
- * Streamlined plastic shell design, simple and stylish;
- * Large torque output, different pump heads can be installed to realize multi-channel and driver combination;
- * The internal structure adopts a double-layer isolation design, and the circuit board is sprayed with three anti-paint technology to achieve the effect of dust and moisture;
- * Super anti-interference characteristics, wide voltage design, suitable for complex power supply environment;
- * External control high and low-level control start and stop, positive and negative, simple subassembly, optocoupler isolation; external control analog quantity adjusts the speed;
- * RS485 communication, support Modbus protocol, convenient to connect with various control equipment;
- * It can be equipped with foot switch, pulse dampener, leak detector and other optional accessories.



Technical Parameters

Model	SPP-BT101S	SPP-BT301S	SPP-BT601S
I/Flow Range	0.0001~720ml/min	0.006~1690ml/min	0.006~2900ml/min
Rotation Range	0.1~150rpm	0.1~350rpm	0.1~600rpm
Speed Resolution	0.1~100rpm: 0.1rpm; 100~600rpm: 1rpm		
Speed Accuracy	<±0.5%		
Power Supply	AC100~240V, 50Hz/60Hz		
Power	<30W	<40W	<50W
External Control Interface	External control input level 5V, 12V (standard), 24V (optional); external control analog 0-5V (standard), 0-10V, 4-20mA (optional)		
Communication Interface	RS485 communication, compatible with Modbus protocol		
Working Environment	Ambient temperature 0~40°C, relative humidity <80%		
Protection Level	IP31		
Overall Dimensions (L*W*H)	261*180*197mm		
Drive Weight	4.5kg	4.7kg	4.9kg
Packing Size	430*290*320mm		
Gross Weight	8kg		

Pump Head:



DG type



DT type



YZ15/YZ25



YT15/YT25

Applicable Pump Head, Hose& Flow Parameters

Driver Model	Applicable pump head	Number of channels	Applicable hose	Single channel flow rate (ml/min)
SPP-BT101S	DG (6 Scroll wheel)	1、2、4	Wall thickness 0.8~1mm, Inner diameter≤3.17mm	0.0002~49
	DG (10 Scroll wheel)	1、2、4	Wall thickness 0.8~1mm, Inner diameter≤3.17mm	0.0001~41
	DT10-18	1	13#14#, Wall thickness 0.8~1mm, Inner diameter≤3.17mm	0.0002~82
	DT10-28	2	13#14#, Wall thickness 0.8~1mm, Inner diameter≤3.17mm	0.0002~82
	YZ15	1	13#14#19#16#25#17#	0.006~420
	YZ25	1	15#24#	0.16~420
	YT15	1	13#14#19#16#25#17#18#	0.006~570
SPP-BT301S	YT25	1	15#24#35#36#	0.17~720
	YZ15	1	13#14#19#16#25#17#	0.006~990
	YZ25	1	15#24#	0.16~990
	YT15	1	13#14#19#16#25#17#18#	0.006~1300
SPP-BT601S	YT25	1	15#24#35#36#	0.16~1690
	YZ15	1	13#14#19#16#25#17#	0.006~1700
	YZ25	1	15#24#	0.16~1700
	YT15	1	13#14#19#16#25#17#18#	0.006~2300
	YT25	1	15#24#35#36#	0.16~2900

Flow Rate Peristaltic Pump FPP-BT-L Series

Features:

- * True color LCD screen display, touch screen plus button operation;
- * LF-Touch-OS software system;
- * It has basic functions such as start and stop, forward and reverse, full speed, speed regulation, state memory, etc.;
- * Rotational speed resolution is 0.1 rpm;
- * Flow display, flow control, liquid volume accumulation;
- * With flow correction function;
- * Unique "simple sub-assembly" function to realize repeated timing and quantitative transmission, eliminating the need for time controllers;
- * Peristaltic pump expert system, which is convenient for users to the greatest extent;
- * Intelligent temperature control function, minimize the noise of the peristaltic pump, 45 decibels ultra-quiet design;
- * External control high and low-level control start and stop, positive and negative, simple subassembly, optocoupler isolation; external control analog quantity adjusts the speed;
- * RS485 communication, compatible with Modbus protocol, convenient to connect with various control equipment;
- * The internal structure adopts a double-layer isolation design, and the circuit board is sprayed with three anti-paint technology to achieve the effect of dust and moisture;
- * Super anti-interference characteristics, wide voltage design, suitable for complex power supply environment;
- * The drive housing material is made of ABS engineering plastics, streamlined design, simple and beautiful;
- * A variety of pump heads can be installed to achieve different combinations of pump heads and drivers.



Technical Parameters

Model	FPP-BT101L	FPP-BT301L	FPP-BT601L
Flow Range	0.0001~720ml/min	0.006~1690ml/min	0.006~2900ml/min
Rotation Range	0.1~150rpm	0.1~350rpm	0.1~600rpm
Speed Resolution	0.1rpm		
Speed Accuracy	<±0.2%		
Power Supply	AC100~240V, 50Hz/60Hz		
Power	<30W	<40W	<50W
External Control Interface	External control input level 5V, 12V (standard), 24V (optional); external control analog 0-5V (standard), 0-10V, 4-20mA (optional)		
Communication Interface	RS485 communication, compatible with Modbus protocol		
Working Environment	Ambient temperature 0~40°C, relative humidity <80%		
Protection Level	IP31		
Overall Dimensions (L*W*H)	261*180*197mm		
Drive Weight	4.5kg	4.7kg	4.9kg
Packing Size	430*290*320mm		
Gross Weight	8kg		

Pump Head:



DG type



DT type



YZ15/YZ25



YT15/YT25

Applicable Pump Head, Hose& Flow Parameters

Driver Model	Applicable pump head	Number of channels	Applicable hose	Single channel flow rate (ml/min)
FPP-BT101L	DG (6 Scroll wheel)	1、2、4	Wall thickness 0.8~1mm, Inner diameters≤3.17mm	0.0002~49
	DG (10 Scroll wheel)	1、2、4	Wall thickness 0.8~1mm, Inner diameters≤3.17mm	0.0001~41
	DT10-18	1	13#14#, Wall thickness 0.8~1mm, Inner diameters≤3.17mm	0.0002~82
	DT10-28	2	13#14#, Wall thickness 0.8~1mm, Inner diameters≤3.17mm	0.0002~82
	YZ15	1	13#14#19#16#25#17#	0.006~420
	YZ25	1	15#24#	0.16~420
	YT15	1	13#14#19#16#25#17#18#	0.006~570
FPP-BT301L	YT25	1	15#24#35#36#	0.17~720
	YZ15	1	13#14#19#16#25#17#	0.006~990
	YZ25	1	15#24#	0.16~990
	YT15	1	13#14#19#16#25#17#18#	0.006~1300
FPP-BT601L	YT25	1	15#24#35#36#	0.16~1690
	YZ15	1	13#14#19#16#25#17#	0.006~1700
	YZ25	1	15#24#	0.16~1700
	YT15	1	13#14#19#16#25#17#18#	0.006~2300
	YT25	1	15#24#35#36#	0.16~2900

Accessories

Technical Parameters:

Model	Caliber(mm)	Layer(ea)	Height(mm)	Canister Outer Diameter	Application Models
S2-30	30	Single	120	19	LNC-2-30
S3-50	50	Single	120	38	LNC-3-50
S6-50	50	Single	120	38	LNC-6-50
S10-50	50	Single	120	38	LNC-10-50
S10-80	80	Single	120	63	LNC-10-80
S15-50	50	Single	120	38	LNC-15-50
S30-50	50	Single	120	38	LNC-20-50
					LNC-20B-50
					LNC-30-50
					LNC-30B-50
S30-80	80	Single	120	63	LNC-30-80
S30-125	125	Single	120	97	LNC-30-125
S35-50	50	Single	120	38	LNC-35-50
					LNC-35B-50
S35-80	80	Single	120	63	LNC-35-80
					LNC-35B-80
S50-50	50	Single	120	38	LNC-50B-50
S35-125	125	Single	120	97	LNC-35-125
Y47-127-5	127	5	276	98	LNC-47-127Y
S3H-50	50	Single	120	38	LNC-3-50DS
S6H-80	80	Single	120	63	LNC-6-50DS
S10H-125	125	Single	120	97	LNC-10-125DS
D30-50	50	Double	276	38	LNC-20-50L
					LNC-20B-50L
					LNC-30-50L
					LNC-30B-50L
D30-80	80	Double	276	63	LNC-30-80L
					LNC-30B-80L
D35-50	50	Double	276	38	LNC-25-50L
					LNC-35-50L
					LNC-35B-50L
					LNC-35-80L
D35-80	80	Double	276	63	LNC-35-80L
					LNC-35B-80L
D35-125	125	Double	276	97	LNC-35-125L
D47-127	127	Double	276	104	LNC-47-127L

Technical Parameters:

Model	Layer	Rack Size	Box Size	Vial Boxes(R*L)	Application Models
FTT-81-4	4	142*144	134*134	9*9	LNC-65-216
FTT-81-5	5	142*144	134*134	9*9	LNC-95-216
FTT-81-6	6	142*144	134*134	9*9	LNC-115-216
FTT-25-4	4	82*84	76*76	5*5	LNC-30-125 LNC-10-125
FTT-25-5	5	82*84	76*76	5*5	LNC-35-125
FTT-81-8	8	142*144	134*134	9*9	LNC-145-216
FTT-81-10	10	142*144	134*134	9*9	LNC-175-216
FDCJ-25-4	4	—	76*76	5*5	LNC-10-125DS
FDCJ-81-5	5	—	134*134	9*9	LNC-25-216DS

Liquid Nitrogen Pump

Features:

- * Integrated design for easy operation.
- * Discharging the liquid nitrogen fast.
- * Two types: hand- operated and foot-operated.



YDB-5



YDB-8

Technical Parameters:

Model	Unit	YDB-5S-50	YDB-5S-80	YDB-8J-50	YDB-8J-80
Caliber of the Container	mm	50	80	50	80
Discharge Pressure	≤MPa	0.04	0.04	0.04	0.04
Discharge Speed	L/min	≥5	≥5	≥8	≥8
Liquid Nitrogen Loss	%	≤5	≤2.5	≤2.5	≤2.5
Foot Step Rate	times/min	—	—	60	60
Net Weight	kg	9			
Gross Weight	kg	10.5			

Lid with lock



Level & Temperature monitor



Level Ruler



Trolley



YSC-30-4W
YSC-47-4W
YSC-175-4W



YSC-30-5W
YSC-47-5W
YSC-120-5W
YSC-175-5W

Rotary Evaporator



Features:

- * Electronic stepless speed control.
- * LED display
- * Optional explosion-proof function. (eg. RE-301, RE-501, RE-1002, RE-3002, RE-5003)

Technical Parameters:

Model	RE-201D	RE-301	RE-501	RE-1002	RE-2002	RE-5003
Rotary Bottle	1L 24#standard mouth	3L flange Ø50	5L flange Ø50	10L flange Ø95	20L flange Ø95	50L flange Ø125
Collecting Bottle	1L 35# ball mill mouth	2L 35# ball mill mouth	3L 35# ball mill mouth	5L flange Ø50	10L flange Ø60	20L flange Ø60
Condenser	Vertical φ85*460mm, 29# (standard size)	Vertical φ100*510mm	Vertical φ100*590mm	Vertical three backflow, φ120*640mm (main), φ135*470mm (SUB)	Vertical three backflow, φ130*680mm (main), φ160*530mm (SUB)	Vertical three backflow, φ160*840mm (main), φ160*530mm (SUB)
Charging Valve	19# (standard size)			34# (standard size)		40# (standard size)
Rotary Speed	0~120rpm			0~110rpm		
Vacuum	0.098Mpa					
Temp. Range	RT~400℃					
Temp. Accuracy	±1℃					
Stroke Height	120mm			180mm		
Rotary Power	30W	40W		120W		180W
Heating Power	1.5KW	2KW		3KW	5KW	8KW
Shelf Material	Stainless steel			Coating anticorrosive		
Chamber Material	SS 250*140mm	SS 255*170mm	SS 280*170mm	SS 550*320mm	SS 450*250mm	SS 350*220mm
Plate Size	280*330mm	350*330mm		534*504mm	474*474mm	550*320mm
Power Supply	AC110/220V±10%, 50/60Hz					
External Size(mm)	700*440*885	660*330*970	700*335*1009	970*480*1950	1170*540*2200	1520*620*2470
Package Size(mm)	590*460*460	1000*460*450	1040*620*410	1350*350*400 1280*570*660	1370*700*680 700*680*740	1450*390*440 1150*840*660 790*730*790
Gross Weight	21kg	38kg	38kg	100kg	123kg	170kg
Standard Accessory	1L Rotary bottle*1; 1L Collecting bottle*1	3L Rotary bottle*1; 2L Collecting bottle*1	5L Rotary bottle*1; 3L Collecting bottle*1	10L Rotary bottle*1; 5L Collecting bottle*1	20L Rotary bottle*1; 10L Collecting bottle*1	50L Rotary bottle*1; 20L Collecting bottle*1
Optional Accessory	Transparent bath cover, Explosion-proof transducer			Explosion-proof transducer, Double collection bottle, Auto-lifting, Explosion-proof motor EX120W		
	Vacuum pump, Recirculating chiller					

Water Circulating Vacuum Pump



Technical Parameters:

Model	SHZ-DIII (Four gauge four pumping)	SHZ-95B
Pump Head	4	5
Speed of Evacuation	10L/Min	
Vacuum	-0.098Mpa	\
Circulating Pump Flow	40L/min	80L/min
Pump Lift	12m	
Material	Anti-corrosion	Anti-corrosion or Stainless Steel
Consumption	370W	370W
Capacity	15L	50L
Power Supply	AC220V±10%, 50Hz/60Hz	
Package Size(W*D*H)	600*480*620mm	550*460*1020mm
Gross Weight	19kg	40kg
Applicable Rotary Evaporator Model	RE-2010, RE 100-Pro, RE-2000A, RE-2000B, RE-2000E, RE-52A, RE-52C, RE-5299, RE-201D, RE-301, RE-501	ExRE-1002, ExRE-2002, ExRE-5003, RE-1002, RE-2002, RE-5003

Note: Vacuum pump does not have the function of adjusting vacuum degree, if you need this function you should be match the vacuum control instrument.

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.
MV-F-1G	1-branch	Glass	PTFE, 20µm	Ground Joint	SS316	270*230*130mm	3kg
MV-F-1S		SS316	SS316, 100µm	Integral, SS316	SS316	270*230*130mm	3kg
MV-F-3G	3-branch	Glass	PTFE, 20µm	Ground Joint	SS316	480*260*130mm	6kg
MV-F-3S		SS316	SS316, 100µm	Integral, SS316	SS316	480*260*130mm	6kg
MV-F-6G	6-branch	Glass	PTFE, 20µm	Ground Joint	SS316	900*260*130mm	11kg
MV-F-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