

## Aspirator A-1000S



A-1000S

Optional accessories  
Cooling coil CCU (copper)  
Cat. No.119050



Cooling coil CCS (SUS304)  
Cat. No.119060



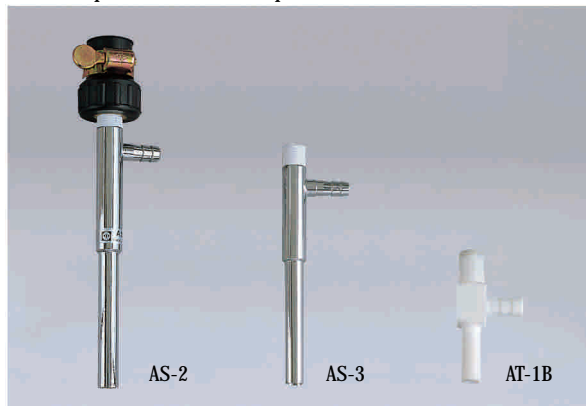
Vacuum regulator with nozzle  
VG-1000 Cat. No.210550



Vacuum regulator with gage  
VG-1000V Cat. No.212380



\*Metal aspirator and Teflon aspirator



## Features

- Highly recommended for use in an area lacking water service or where it is difficult to obtain constant water pressure.
- Transparent lid cover makes it possible to check the water condition in the bath. Bath structure is made to be removed and cleaned easily.
- Precisely processed metal aspirators are equipped so that the displacement is stable.
- Since the unit circulates the water in the aspirator at constant pressure by pump, it assures constant suction.
- Highly chemical resistive Teflon aspirator is also available as option.

## Specifications

Product name	Aspirator		
Model	A-1000S		
Cat. No	210539	210538	210537
Exhaust system	Pressurized circulation system by water pump		
Displacement	16/19L/min 50/60Hz (at 6°C water temp.)		
Ultimate vacuum	30Pa/7mmHg(5°C)-4266Pa/32mmHg(30°C)		
Safety functions	Check valve, thermal protector		
Motor	Induction motor150W		
Aspirator element	Metal aspirator x 2 (Nickel coated brass)		
Bath dimensions (mm)	255W x 361D x 216H 10L		
Bath material	Polypropylene		
Suction nozzle	O.D.9mm x 2, two independent built-in source		
Drain nozzle	ø13mm		
Overflow nozzle	ø17.5mm		
Ambient temperature	5~35°C		
Overall dimensions (mm)	255 (260.5)W x 361D x 406H		
Weight	6.7kg		
Input power	280VA	280VA	280VA
Power source	AC 115V	AC 220V	AC 240V
		50/60Hz	

## Ultimate vacuum (using tap water)

Tap water temp.	5°C			10°C			20°C		
	Pa	920	1290	2370	Pa	920	1290	2370	
Vapor pressure	mmHg	6.9	9.7	17.8	mmHg	6.9	9.7	17.8	

## AS-2\*3 (Metal)\*AT-1B (Teflon) Aspirator

- AS-2 type can be directly hooked-up to the tap water.
- AS-2 and AS-3 suction air flow is Max. 13L/min. and can reach ultimate vacuum in short time.
- AT-1B is Teflon made and strong against chemical corrosion.

Model	AS-2	AS-3	AT-1B	
Cat. No	119100	119110	119130	
Displacement	13L/min		6L/min	
Ultimate vacuum			5°C	1.33kPa (10mmHg)
	10°C	1.6kPa (12mmHg)	10°C	2.0kPa (15mmHg)
	15°C	2.66kPa (20mmHg)	15°C	3.33kPa (25mmHg)
Safety functions	Check valve			
Tap diameter	ID 10mm x OD 14mm		ID 10mm x OD 14mm	
Connection to tap	adapter	R1/4 with screw	R 1/4 with screw	
Suction dia. & Length	OD 9mm. 155mm		OD 9mm. 72mm	

## Solvent Recovery Unit DPE-1120 • 1220 • 2120

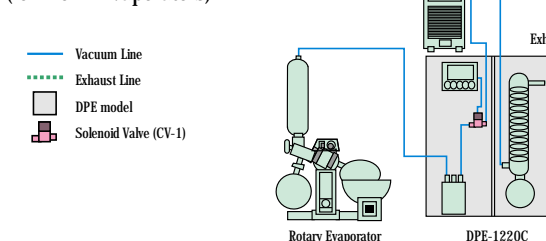


\*System example with DPE-1220 BASE

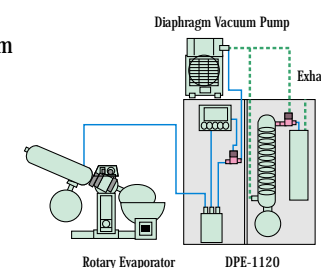


Product name	Cat. NO.
* DPE-1220 Base	216620
* Vacuum controller	216630
* Solenoid valve for Vacuum controller	196910
* Condenser+receiving flask (Exhaust gas trap)	200750
* Waste liquid trap (without bottle)	171630
* Exhaust gas absorber	197000

\*Combination component system  
(for 1 or 2 Evaporators)



\*All-in-one unit, Full System  
(for one Evaporator)



DPE-1120 All-in-one unit to conduct self-control.

DPE-1220 Selectable configuration and upgrade are possible.

DPE-2120 Controls 2 evaporators with large displacement capacity.

## Features

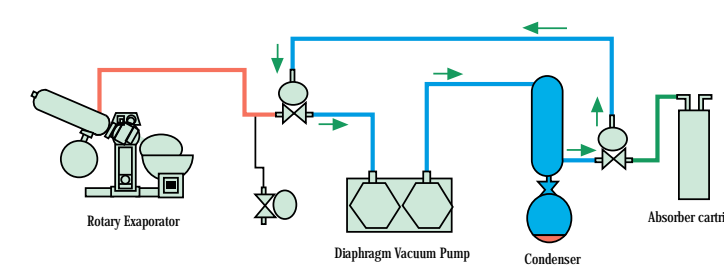
- Vacuum controller, Condenser, Waste liquid collecting trap (bottle), Recovery flask and Exhaust gas absorber cartridge are compactly integrated in one unit.
- Complicated pressure setting is not necessary. Normal control allows to change the set pressure value anytime. Auto-control starts the control corresponding with the vapor temperature (vapor sensor is option). Program control memorizes the proper vacuum rate of 10 versions of typical regulated solvents.
- Excellent corrosion resistance is achieved by using solenoid valve of Teflon diaphragm and sensor which is anti-corrosive to organic solvents.

## Specifications

Product name	Solvent Recovery Unit			
Model	DPE-1220B	DPE-1220C	DPE-1120	DPE-2120
Cat. No.	* 115V 216679	216689	216659	216699
	* 230V 216677	216687	216657	216697
Vacuum Controller	*	*	*	*
Condenser+receiving flask (500ml)	*	*	*	*
Waste liquid trap	*	*	*	*
Exhaust gas absorbing cartridge	*	*	*	*
Collecting flask	*	*	*	*
Pressure measuring range	0~1065hPa/mbar			
Pressure setting range	Normal control: 0 to 1013hPa(mbar), 1 to 760mmHg			
	Program control: 0 to 933hPa(mbar), 1 to 700mmHg			
Hysteresis setting range	Normal control: Auto (2%) or 1 to 20hPa (mbar)1 to 15mmHg			
	Program control: Auto (2%) or 1 to 20%			
Control mode	4 modes of normal, auto, ramp and combination program			
Display (graphic)	LCD digital display (mode, pressure reading, pressure setting, temperature (option))			
Pump control	Automatic On-Off interlocking with set pressure, self cleaning action			
Overall dimensions (mm)	160 x 350 x 610	160 x 350 x 700	198 (200) x 380 x 485 (555), 810 when pump base is set	

Built-in Condenser and receiving flask without vacuum control type DPE-1220A

\*Closed refresh system of Diaphragm Pump and Solenoid Valve (DPE-1120, 2120)



Closed System is introduced: a function of collecting vapor by circulating in Condenser when remained vapor in Diaphragm pump and tubing are automatically released. This improves the durability of pump, sensor, and solenoid valve as well as contributes to protection of tubing and longer life for absorber.