

Automatically control the suitable pressure depending on solvent. Increase the recovery rate.

Solvent Recovery Unit Model DPE-1220/1120/2120 for Rotary Evaporator



Diaphragm pump is not included.

- Vacuum control unit, highly efficient condenser, waste water collection bottle, recovery flask, and waste gas absorber cartridge are compactly gathered in one unit. Considered work environment standard with waste gas absorber cartridge. (Optional for DPE-1220A/B/C)
- Complicated pressure setting is not necessary. Normal control allows you to change the pressure setting value anytime. Auto control starts with corresponding to vapor temperature. (Vapor temperature sensor is optional.)
- Easy to use LCD display shows various parameters like measured pressure and set pressure.
- Equipped with AC outlet for controlling a diaphragm vacuum pump. It automatically operates corresponding to setting condition and start or end of operation.
- Solenoid valve is TEFLON diaphragm and sensor is organic solvent resistant. Excellent resistance is achieved.
- Equipped with closed refresh function to protect diaphragm vacuum pump and prevent waste gas.
- By removing the vacuum controller (NVC-2100) and attach it to a rotary evaporator (by using optional mounting plate), the main unit of DPE can be placed under laboratory table.
- DPE-1220A/B/C can accommodate a diaphragm vacuum pump. DPE-1120/2120 can have a pump base as an optional accessory.
- Glass condenser is covered with insulation.
- You can assemble your original solvent recovery unit for your purpose by combining necessary instruments to 1220 BASE unit of DPE-1220A/B/C.

Specifications

Model	DPE-1220A	DPE-1220B	DPE-1220C	DPE-1120	DPE-2120
Solvent recovery method	Condenser	Vacuum control (+ waste water trap)	Vacuum control (+ waste water trap) + condenser	Vacuum control (+ waste water trap) + condenser + Absorber cartridge	
Pressure measure range	-	0 to 800mmHg, 0 to 1065hPa/mbar			
Pressure set range	-	Fixed value control: 0 to 760mmHg, 0 to 1013hPa/mbar, Slope control: 1 to 700mmHg, 1 to 933hPa/mbar			
Hysteresis set range	-	Fixed value control: Auto (2%) or 1 to 20hPa/mbar (1 to 15mmHg), Slope control: Auto (2%) or 1 to 20%			
Control mode	-	Fixed value control, Slope control, Auto control			
Display	-	LCD digital display (Graphic display: mode, set pressure, measured pressure, and vapor temperature (optional) are displayed at the same time.			
Pump control	-	Pressure value corresponding automatic ON-OFF, Cleaning action			
Waste gas trap	-	Refresh function (+ optional absorber cartridge)	Closed refresh system + absorber cartridge		
Pressure control solenoid valve	-	TEFLON diaphragm solenoid valve			
Tubing material	Glass, P.P, TEFLON, and VitonR				
Receiver	Recover flask: 500mL (Max. 1L)	Waste water trap: 400mL, Recover flask: 500mL (max.1L)			
Rack	DPE-1220BASE			-	-
Connector nozzle	OD10mm (For tubing, leak, cooling water, waste gas)				
Applicable pump	Diaphragm pumps			Diaphragm pump with pumping speed 10 to 40L	Diaphragm pump with pumping speed 10 to 40L
AC outlet	-	AC100V 6A for diaphragm vacuum pump, control correspond output			
Ambient temperature for operation	5 to 35				
Overall dimensions (mm)	160Wx350Dx691H	160Wx350Dx618H	160Wx350Dx691H	198(200)Wx380Dx485(555)H 810H when using pump base	
Power source	-	1A, 100VA / AC100V 50/60Hz (without pump) AC230V 50Hz			

* Diaphragm vacuum pump is optional. * If a pump is not installed to the rack DPE-1220BASE, a diaphragm vacuum pump with pumping speed 10 to 40L can be connected. * The figure in () of dimension includes projection.

DPE-2120 can control the pressure for two Rotary evaporators. By removing vacuum controller and using the attach plate, you can attach it to Rotary evaporator.

The vapor wasted from a diaphragm vacuum pump is led to the condenser and recovered efficiently Recovery rate was increased by insulated condenser.

Absorber cartridge
Equipped with Absorber cartridge (Active carbon filter). (DPE-1120/2120) Absorbes smelling element of waste gas.

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