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DWPE-1250A Split-Type Solvent Recovery Device

Description

Vacuum decompression concentration, drying, distillation, rectification process; When the vacuum pump pumping speed is too fast to achieve complete recovery, the solvent recovery device is used to recycle the test material again through the condenser, and the recovered waste gas is fully adsorbed by the specially supporting activated carbon adsorption device, so that the whole process can achieve the best effect. Through the treatment of gas without pungent odor, greatly improve the laboratory environment and personal health will have a great impact, especially acid and alkaline odor. At the same time, the very precious reagent is recycled many times and can be reused.

Features

● The solvent recovery device is composed of vacuum controller, diaphragm vacuum pump, cooler, waste liquid recovery bottle, waste gas adsorption device, etc.

● The matching cooler and activated carbon adsorption device are small in design and can effectively absorb harmful gases to improve the experimental environment air.

● In order to protect the diaphragm vacuum pump, inhibit the exhaust gas leakage, equipped with self-circulating purification function.

● Host:Integral diaphragm pump integrated vacuum control system, with high control accuracy, corrosion resistance, long valve life.

● The large screen touch color LCD screen can display the detected and set vacuum degree, and the vacuum degree can be adjusted directly on the LCD screen.

● Can be imported or domestic brand rotary evaporator, with good vacuum control vacuum controller.

● The vacuum inside the rotary evaporator can be controlled to improve the low boiling point reagent (e.g., methyldichloride, benzene, trichloroethane, ethanol, etc.)The recovery rate can also be replaced by inert gas on decompression concentration when the interior is free from oxidation and contamination.

● It can control 10 stages of gradient distillation program (time and vacuum arrangement operation), and gradually control the vacuum degree when synthesizing experimental tomographic vacuum distillation.

● Interface operation: Chinese/English system interface operation switch function.

● Experimental operation vacuum pressure unit double switching, curve tracking query, USB interface data export.

● Combined with vacuum controller VC-3000pro vacuum controller, the pressure setting value can be set at will on the main menu, without steam sensor, and the use of simple automatic control and sensor precision control, just press the Start key, select solvent discharge, under the appropriate vacuum degree, can be automatically adjusted program control, More convenient for the purpose and use of the enrichment operation under appropriate conditions.

Specifications

Model	**DWPE-1250A**
Solvent recovery mode	**Cooler + waste gas recovery bottle； Cooler + air side waste liquid recovery bottle**
Set range	**0~760mmHg(Toor),0~1013hPa(mbar)0~101.3kPa,0~0.01Mpa**
Measuring range	**1~800mmHg(Toor),1~1066hPa(mbar)0~106.6kPa,0~ -0.01Mpa**
Time setting range	**constant value control, program control, gradient control, stop control: 1-999min**
Exhaust device function	**air exhaust function + activated carbon (optional)**
Liquid waste recovery bottle	**One on the side of the adsorption device； One on the side of the condensate pipe**
Pipe material	**Glass, PP, rubber**
	Glass, PP, rubber, Teflon
Connecting diameter	**single tube: outer diameter 10mm**
	One touch nozzle: outer diameter 10mm
Connected vacuum pump	**pumping rate: 30L/min anti-corrosion diaphragm vacuum pump**
Limit vacuum	**8mbar**
Ambient temperature	**5-35℃**
Product size (XDPE-1250A)	**400*380*500 mm**
Power	**1A, 100VA, AC100-240V, 50/60Hz**
Factory configuration	**Teflon seat frame, VC-3000pro vacuum controller *1, XDMG-20 diaphragm vacuum pump *1, condensate tube *1, recycling bottle S35 ball grinding 500ml*1, exhaust gas adsorption device *1**