

SD-20L Short-range distillation

High borosilicate material and fine workmanship High evaporation efficiency and high recovery

SD-20L 短程蒸馏

高硼硅材质 做工细致 蒸发效率高 回收率高

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PRODUCT DESCRIPTION

产品描述

The pressure difference between the boiling film and condensing surface is the driven force of stem flow, and the minimum pressure will cause the flowing of steam. Under the 1mbar, the operation requires the boiling surface and condensing surface have the shortest distance. The evaporator manufactured based on the principle is called short-path distillation. The short-path distillation (molecular distillation) is equipped with a inside condenser which is opposite to the heating surface, and make the operation pressure reduce to under 0.001mbar. Its relative low boiling temperature is very suitable to the material with heat sensitive and high boiling point.

Basic constitution: the column cylinder equipped with outside heating mantle, rotor and inside condenser. The fixing frame of rotor is precisely equipped with scratch film and anti-splash device. The inside condenser is placed in the center of evaporator, and the rotor should rotor between column cylinder and condenser.

Distillation process: The material should add from the top of evaporator and continuously spread to the heating surface through the material covered on rotor. Then, the scratch film is capable of scratching the material into a thin and flowing liquid film. During this process, the light molecular exceeded the heating surface form the condense liquid on inside condenser without any collision. Then, the molecular flows along the condenser tube, and discharge through the discharge tube on the bottom of evaporator. The residue liquid (heavy molecule) is collected on the circular channel under the heating zone, and flows through the discharge tube on one side.

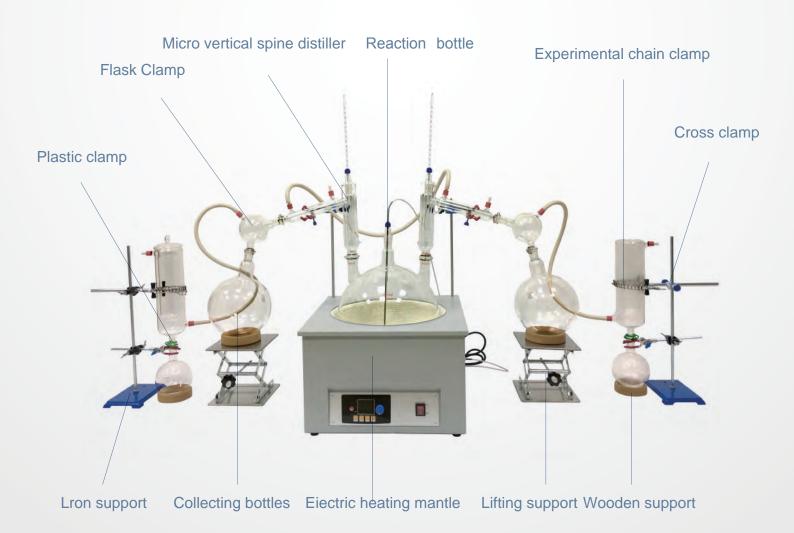
沸腾薄膜和冷凝表面之间的压力差是阀杆流动的驱动力,最小压力将导致蒸汽流动。在1mbar下,操作需要沸腾表面和冷凝表面具有最短距离。基于该原理制造的蒸发器称为短程蒸馏。短程蒸馏(分子蒸馏)配备有与加热表面相对的内部冷凝器,并使操作压力降至0.001mbar以下。其相对较低的沸点温度非常适合具有热敏性和高沸点的材料。

基本构成:柱缸配有外加热罩,转子和内冷凝器。转子固定架精确配有刮膜和防溅装置。内部冷凝器放置在蒸发器的中心,转子应在柱筒和冷凝器之间转子。

蒸馏过程:材料应从蒸发器顶部加入,并通过转子上覆盖的材料连续扩散到加热表面。然后,刮膜能够将材料刮擦成薄且流动的液膜。在此过程中,光分子超过加热表面,在冷凝器内部形成冷凝液而没有任何碰撞。然后,分子沿着冷凝管流动,并通过蒸发器底部的排放管排出。 残留液 (重分子) 被收集在加热区下方的圆形通道上,并在一侧流过放电管。

DETAILS DRAWING 零件详图





DETAILS DRAWING 零件详图

Type 型号	SD-2	SD-5	SD-10	SD-20			
Material 材质	G3.3						
Heating Capacity (ml) 加热容量(ml)	2000	5000	10000	20000			
Heating temperature (°C) 加热温度(°C)	(room temperature-250) 温室-250						
Accuracy (°C) 精度(°C)	±1						
Vaccuum Degree (Mpa) 真空度(Mpa)	0.098						
Working temperature (°C) 工作温(°C)	5-40						
Voltage 电压(V/Hz)	220	380V/50Hz					
Package Size 包装尺寸(毫米)	450*450*600	580*580*735	850*850*600				
Weight 重量(kg)	18	24	30				

PRODUCT DETAILS

细节优点



Product Details

三口反应瓶

Adopt three ports reaction bottle,with a special feeding port,convenient for feeding 采用三口反应瓶,设有专门加料口,方便加料



Distiller

微量垂刺蒸馏器

Micro vertical spine distiller, vertical spine structure, used for fractionation function; Vacuum sandwich is used to weaken the influence of wind and greenhouse to maintain the appropriate temperature gradient in the column

微量垂刺蒸馏器,垂刺结构,用于分馏功能;采用 真空夹层,削弱风与温室的影响保持柱内适宜的 温度梯度



Vacuum Valve ^{真空阀}

Vacuum vale can be equipped on the Micro vertical spine distiller, used for vacuum pumping.

在微量垂刺蒸馏器上,可加装真空阀,用作抽真空



Connector

接L

Glass parts are connected by frosted mouth,easy to operate and good sealing,plastic clip is fixed and avoid loose interface.

玻璃部件采用磨砂口连接方式,操作方便,密封性好;塑料夹固定,避免接口松动

MATCHING PRODUCTS 配套产品



SD-20LShort-range distillation SD-20L短程蒸馏



DLSB-20/30 cooling pump DLSB-20/30制冷泵



2XZ-8 Rotary Vane Vacuum Pump 2XZ-8旋片式真空泵



SD-2



SD-5



SD-10



SD-20

QUALITY CERTIFICATION 品质认证









CUSTOMERS FROM VARIOUS COUNTRIES 各国客户









FACTORY SITUATION 工厂情况









TRANSPORT 快递物流











Type 型号	SD-20					
Package Size 包装尺寸(毫米)	580*580*395	380*380*600	500*345*240	480*500*710	685*525*330	
Weight 重量(kg)	24	5	8.5	6	8	





PACKAGING:

- 1.Cartons + wooden cases
- 2. Custom packaging is available.

打包:

- 1.纸箱+木箱。
- 2.可以提供定制包装。

SHIPMENT:

- 1.We can deliver the goods to you by international express, such as DHL, UPS, TNT, EMS and so on.
- 2. You can also choose the right one according to the schedule and budget.
- 3. You may choose to use your own shipping agent.

运输:

- 1.我们可以通过国际快递将货物运送给您,如DHL, UPS, TNT, EMS等。
- 2.您还可以根据时间表和预算选择合适的一个。
- 3.您可以选择使用自己的运输代理商。

FAQ 常见问题解答

1. ASK:What kind of payment term do you accept?

Answer: Normally we accept TT, Paypal, Western Union, Alibaba Escrow, and L/C. The exactly term with be discussed during the deal.

2. ASK:What standard plugs does the device use?

Answer: European standard, American standard, German standard, etc., can be customized according to customer requirements.

3. ASK: What's the voltage of the equipment?

Answer:110V/60HZ、220V/50HZ, can be customized according to customer requirements

1. 问: 你们接受什么付款方式?

答:通常我们接受电汇, Paypal, 西联汇款, 阿里巴巴国际版支付宝, 以及信用证。 具体的付款方式在交易过程中可再讨论。

2. 问:该设备使用什么标准的插头?

答: 欧标、美标、德标等, 可根据客户要求订做。

3. 问:该设备的电压是多少?

答: 110V/60HZ、220V/50HZ, 可根据客户要求订做。



PLEASE CONTACT US

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