

## PRODUCT DESCRIPTION产品描述

NozEx extruder is designed for liposome preparation. The device is equipped with one or more parallel high-pressure extrusion chambers. The extrusion chamber is equipped with a PC membrane filter with a specific pore size. By using an adjustable pressure to make heterogeneous multilayer vesicles pass through the PC membrane filter, A uniform unilamellar vesicle was obtained. The extrusion cavity is equipped with a jacket, and the circulating medium can be used to control the temperature of the extruder.

NozEx挤出器是设计用于脂质体的制备。该装置带有一个或多个并行的高压挤出腔。挤出腔内装有特定孔径的PC膜过滤器，通过利用可调节的压力使非均质的多层囊泡通过PC膜过滤器，得到均匀的单层囊泡。挤出腔带有夹套，通入循环的媒介可对挤出器进行温度控制。



## TECHNICAL SPECIFICATIONS技术规格

Model 型号	E-25	E-47	E-90	E-142 <sup>*</sup>	E-293 <sup>*</sup>
Max. Batch Volume	10 mL	100 mL	800 mL	30L <sup>**</sup>	80L <sup>**</sup>
Min. Batch Volume	1 mL	20 mL	100 mL	3L	10L
Max. Pressure	800psi	800psi	800psi	800~8000psi	800~8000psi
Max. Temperature	80	80	80	80	80
Filter Membrane size	25	47	90	142	293
Weight (kg)	3	13	19	/	/

\* Production of customized models 生产定制型号

\*\* The batch size varies according to the number of extrusion chamber. 批次量根据挤出腔的数量不同



### TECHNICAL ADVANTAGES 技术优势

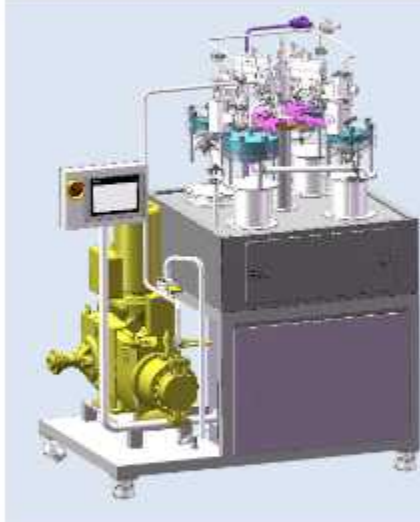
- Choose fine cast 316L stainless steel, special requirements can be SAF2507 duplex stainless steel  
选用优良的铸造的316L不锈钢材质，特殊需求可选SAF2507双相不锈钢
- Mechanical polishing + electrolytic polishing on all surfaces in contact with liquid  
所有接触液体表面机械抛光+电解抛光
- Strictly follow the standard procedure for pressurization and holding pressure test  
严格按照标准流程加压和保压测试
- The jacket adopts a single-circulation channel design to ensure precise control of heat distribution and temperature  
夹套采用单循环孔道设计，确保热分布和温度精确控制
- Complete verification documents is available  
可提供完整的验证文件

### REQUIRED ANCILLARY EQUIPMENT 所需的辅助设备

- High pressure gas cylinder(Nitrogen) 高压氮气钢瓶 (3000psi/200bar)
- Gas regulator 调压阀 (输送压力不小于1500psi/100bar)
- Heated re-circulator (Depending on requirements) 循环恒温水浴 (视要求而定)

### CONSUMABLES AND SPARE PARTS 耗材和备件

- Package of polyester drain discs (100/pack) PE聚酯排水膜
- Package of polycarbonate filters (100/pack) PC聚碳酸酯过滤膜 (孔径根据需求选择)
- Spare O-ring set O型圈



Nozex extruder covers a complete series from 1ml to the maximum processing batch of 400L, and has excellent results when applied to the particle size control of liposomes. We have many successful cases on the production line, designed in strict accordance with cGMP standards, integrated formula preparation system; CIP/SIP available.

It can be customized according to customer needs, please contact our sales staff for detailed information, and look forward to your inquiry.

Nozex挤出器涵盖了从1ml到最大400L处理量的一个完整系列，应用于脂质体的粒径控制有卓越效果。我们拥有多个在生产线上的成功案例，严格按照cGMP标准设计，整合配方制备系统，可CIP/SIP。

可根据客户需求定制，详细信息请与我公司销售人员联系，热切期待您的垂询。