

HP Sanitary Pump with Online Liposome Extruder System

Sanitary Pump | Liposome Extruder | Sterile Filtration | Pilot Pump | Liposome

Unique Benefits

Always Discount for Public Researches

- **Energy efficient:** High energy efficiency
- **Small:** Integrated design deliver the light weight and small dimensions
- **Smart:** PLC liposome extruder control system
- **Silent:** Silent performance
- **Strong:** Strong capacity from 10L to 100L



Genizer sanitary pump with online extruder is a combined unit with high pressure homogenizer pump to a product-scale liposome extruder together to achieve efficient and easy liposome preparation. The sanitary pump(s) is capable of delivery pressure to the liposome sample with high accuracy and drives the sample through the extruder membranes to produce the sample with uniform sizes. All parts touching with medium are 316L stainless steel, 17-4ph stainless steel, titanium alloy, tungsten carbide, PTFE, UHMWPE or other corrosion resistance materials. Both single pump of Nanopump and dual pumps of Pilotpump and Prodpump are available.

Specifications

Catalog No.	Nanopump (Single pump)	Pilotpump (Pilot dual pumps)	Prodpump (Prod dual pumps)
Max. Flow Rate	15~30L/hr	20~40L/hr	50~100L/hr
Min. Sample Size	50~100mL	100~250mL	100~250mL
Max. Pressure	300~600bar	300~600bar	300~600bar
Dimensions	85 × 40 × 36 cm (33 in. × 16 in. × 14 in.)	130 × 60 × 30 cm (51 in. × 24 in. × 12 in.)	140 × 70 × 40 cm (55 in. × 28 in. × 16 in.)
Weight	~60 kgs (~132 Ibs)	~150 kgs (~330 Ibs)	~200 kgs (~440 Ibs)
Power	110V/220V	380V/430V	380V/430V
Max. Temp.		80 °C (176 °F)	
Cleaning		Flush to clean	
Features	Press. and Temp. Transmitters are installed for real-time monitoring		



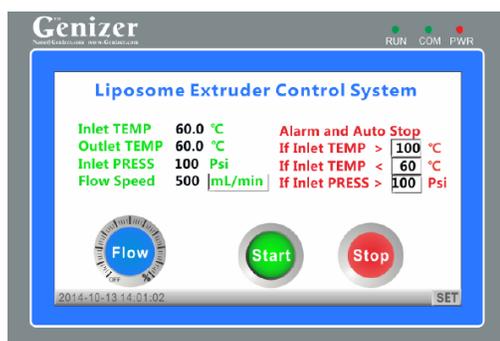
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http://www.genizer.com/sanitary-pump-with-liposome-extruder_p0038.html

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Sanitary Pump with Online Liposome Extruder



NanoPump with 293mm GOE



Liposome Extruder System

Standard Features

Parts	Online liposome extruder unit with cooling option
Control System	High pressure programming liposome control systems [®] : Touch Screen, Speed control, Auto stop control by pressure or temperature, settable volume control as low as 50mL, display of flow rate and time, overload protection
Indicator	Pressure Transmitter, Temp. Transmitter
Inlet type	1" Tri-Clamp
Outlet type	1" Tri-Clamp
Feed Reservoir	1000ml SUS316 Cylinder or Syringe
Collector Reservoir	Open Container
Product material	316L stainless steel, Tungsten Carbide, Viton, Teflon, UHMWPE
Material standard	Pharmaceutical Grade, FDA & GMP
Warranty	1 year against any manufacturing defects

Available Option

Pump/Homogenizer	Extruder	Sensor	Software	Capacity
NanoGenizer	1×142mm GOE	2 Temp.+1 Pres.	Liposome Extruder System	0-10L
NanoPump	1×142mm GOE	2 Temp.+1 Pres.	Liposome Extruder System	0-10L
NanoPump	2×142mm GOE	3 Temp.+1 Pres.	Liposome Extruder System	0-20L
NanoPump	1×293mm GOE	2 Temp.+1 Pres.	Liposome Extruder System	0-30L
PilotGenizer	1×293mm GOE	2 Temp.+1 Pres.	Liposome Extruder System	0-30L
PilotPump	4×142mm GOE	Up to 8 sensors	Liposome Extruder System	0-40L
PilotPump	8×142mm GOE	Up to 8 sensors	Liposome Extruder System	0-80L
PilotPump	2×293mm GOE	Up to 8 sensors	Liposome Extruder System	0-80L
PilotPump	4×293mm GOE	Up to 8 sensors	Liposome Extruder System	0-100L
ProdGenizer	2×293mm GOE	Up to 8 sensors	Liposome Extruder System	0-80L
ProdGenizer	4×293mm GOE	Up to 8 sensors	Liposome Extruder System	0-100L



PilotPump with 8×142mm GOE