

ProdGenizer Series High Pressure Homogenizer

Nanoemulsion | Cell Disruption | Nanodispersion | Deagglomeration | Liposome

Unique Benefits

Always Discount for Public Research

- **Energy efficient:** Half energy loss of the most homogenizers
- **Small:** Integrated design deliver the light weight and small dimensions
- **Smart:** Programming control systems confer diligent and foolproof functions
- **Silent:** Noiseless performance with high energy efficiency
- **Strong:** 60L/hr at 20,000 psi
- **CE compliant and RoHS compliant**



ProdGenizer series electric ultrahigh pressure homogenizer is an equipment operated with the touch screen and controlled intelligently by program. It can be used for industry production preparation of fat emulsion, liposome, nanosuspension, lipid microsphere, nanoemulsions, dairy products, infusion solutions, cell disruption, juice homogeneity, fine chemical engineering, dye and etc. The maximum working pressure is 30,000 Psi/2,000 Bar. All parts touching with medium are FDA approved sanitary materials including 316L stainless steel, 17-4ph stainless steel, titanium alloy, tungsten carbide, PTFE, UHMWPE.

Specifications

Catalog No.	PrG 5k	PrG 10k	PrG 15k	PrG 20k	PrG 30k
Flow rate	120L/hr	90L/hr	80L/hr	60L/hr	40L/hr
Min. Sample	200mL	200mL	100mL	100mL	100mL
Max. Pressure	5,000psi	10,000psi	15,000psi	20,000psi	30,000psi
Dimensions (cm)	160×80×140	160×80×140	160×80×140	160×80×140	160×80×140
Weight (kg)	~350	~350	~350	~350	~350
Max. Temp.	80°C (176°F)				
Power	380V/440V				
Cleaning	CIP/SIP/Flush to clean				
Features	Digital display of pressure or pressure gauge				



Phone: +1(949) 932-0294
Fax : +1(323) 978-4693
Email: Nano@Genizer.com
<http://www.genizer.com/products/Pilotgenizer.asp>

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ProdGenizer



Touch Screen



Diamond Interaction Chamber

Standard Features

Parts	Multi-Slotted Y-type Diamond interaction chamber with cooling option
Control System	High pressure programming control systems [®] : Touch Screen, Speed control, Auto stop control by volume, time, pressure or temperature, settable volume control as low as 100mL, display of flow rate and time, overload protection
Pressure Gauge	Electric
Inlet type	Tri-Clamp or Luer
Outlet type	Tri-Clamp or Luer
Feed Reservoir	2L SUS316 Cylinder
Product material	316L stainless steel, Tungsten Carbide, Viton, Teflon, UHMWPE
Material standard	Sanitary Grade, FDA & GMP approvable
Warranty	1 year against any manufacturing defects

Available Option

Parts	Liposome Extruders, Homogenizing valves, Heat Exchanger
Control System	Mechanical control, Speed, start, stop control
Detector	Pressure gauge, Pressure and Temp. sensor
Outlet type	Tri-Clamp or Luer
Feed Reservoir	1L, 2L Cylinder or Online; 1" or 2" Tri-Clamp
Collector Reservoir	Tri-Clamp
Cylinder	Titanium High pressure Cylinder (Resistant to strong acid and base)