

# ProdGenizer Series High Pressure Homogenizer

Nanoemulsion | Cell Disruption | Nanodispersion | Deagglomeration | Liposome

## Unique Benefits

- **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:** More than 100L/hr at 30,000 psi
- **CE compliant and RoHs compliant**

Always Discount for Public Research



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/2,065 Bar. All parts touching with medium are FDA approved sanitary materials including 316L stainless steel, 17-4ph stainless steel, titanium alloy, zirconia ceramic, PEEK, UHMWPE.

## Specifications

Catalog No.	PrG 5k	PrG 10k	PrG 15k	PrG 20k	PrG 30k
Flow rate	300L/hr	240L/hr	180L/hr	125L/hr	100L/hr
Min. Sample	1000mL	800mL	600mL	400mL	300mL
Max. Pressure	5,000psi	10,000psi	15,000psi	20,000psi	30,000psi
Dimensions (cm)	175×100×130				
Weight (kg)	~800				
Max. Temp.	80°C (176°F)				
Power	380V/480V, 3-phase				
Cleaning	CIP/Flush to clean				
Features	Digital display of pressure or pressure gauge				



Phone: +1(323) 825-1851  
Fax : +1(323) 978-4693  
Email: Nano@Genizer.com  
<http://www.genizer.com/>

Discount available for public research. Genizer.com reserves the right to change specifications without notice. © 2009 by Genizer. All rights reserved. English Version 011216.

# ProdGenizer Series High Pressure Homogenizer



ProdGenizer



Foolproof Control



Homogenizing Chamber

## Standard Features

Parts	Multi-Slotted Y-type Diamond interaction chamber with cooling option
Control System	High pressure programming control systems <sup>®</sup> : Touch Screen, Speed control, Auto stop control by volume, time, pressure or temperature, settable volume control as low as 50ml, display of flow rate and time, overload protection
Pressure Gauge	Electric
Inlet type	9/16" HP coupling; 1" Tri-Clamp
Outlet type	3/8" HP coupling; 1" Tri-Clamp
Feed Reservoir	Online, 3000mL SUS316 Cylinder
Collector Reservoir	Online, 3000mL SUS316 Cylinder
Product material	316L stainless steel, zirconia ceramic, Viton, Teflon, UHMWPE
Material standard	Pharmaceutical Grade, FDA & GMP approvable
Warranty	1 year against any manufacturing defects

## Available Option

Parts	Liposome Extruders, Homogenizing valves -Two stages, Heat Exchanger
Control System	Mechanical control, Speed, start, stop control
Software Module	Three-Level Access Control, Electronic Signature, Audit Trail, Data Export
Detector	Pressure gauge, Pressure and Temp. transducer
Outlet type	Tri-Clamp or Barbed fitting
Feed Reservoir	3000 mL/5000 mL Jacketed Feed Reservoir
Cylinder	Titanium High pressure Cylinder (Resistant to strong acid and base)