## **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:** 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.

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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	160×80×14
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			Discount available for put	olic research. Genize

#### Always Discount for Public Research



**C E** 

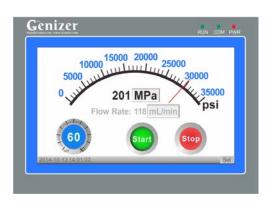


Phone: +1(949) 932-0294 Fax : +1(323) 978-4693 Email: Nano@Genizer.com http://www.genizer.com/products/Pilotgenizer.asp Discount available for public research. Genizer.com reserves the right to change specifications without notice. © 2009 by Genizer. All rights reserved. English Version 231215.

# **ProdGenizer Series High Pressure Homogenizer**



ProdGenizer



Touch Screen

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 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**



Diamond Interaction Chamber

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Parts	Liposome Extruders, Homogenizing valves - Two stages, 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 Collector Reservoir	1L, 2L Cylinder or Online; 1" or 2" Tri- Clamp
Cylinder	Titanium High pressure Cylinder (Resistant to strong acid and base)



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### **Standard Features**