

# 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:** More than 60L/hr at 20,000 psi
- **CE compliant and RoHS compliant**



ProdGenizer series electric ultrahigh pressure homogenizer is an equipment operated 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 45000 Psi/3100 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

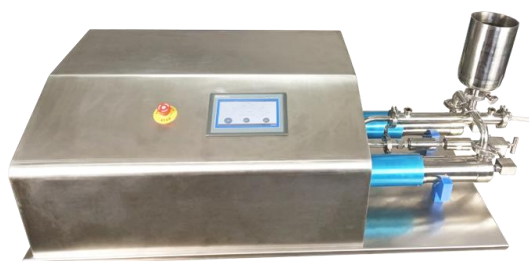
Catalog No.	PrG 10k	PrG 15k	PrG 20k	PrG 30k	PrG 45k
Flow rate	90L/hr	80L/hr	60L/hr	60L/hr	50L/hr
Min. Sample	200ml	100ml	100ml	100ml	100ml
Max. Pressure	10,000psi	15,000psi	20,000psi	30,000psi	45,000psi
Dimensions (cm)	160×90×60	160×90×60	160×90×60	160×90×60	160×90×60
Weight (kg)	~300	~300	~300	~300	~300
Max. Temp.	80 °C (176 °F)				
Power	380V/440V				
Cleaning	CIP/SIP/Flush to clean				
Features	Digital display of pressure or pressure gauge				



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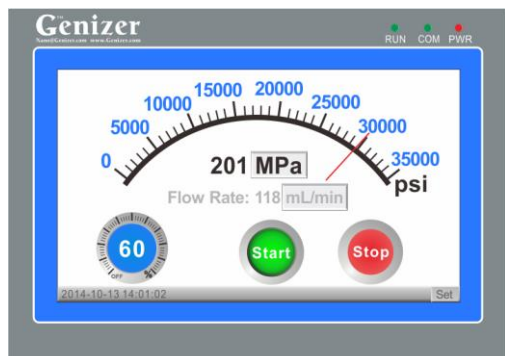
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ProdGenizer

## 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 20ml, display of flow rate and time, overload protection
Pressure Gauge	Electric
Inlet type	3/8" HP coupling; 2" Tri-Clamp
Outlet type	3/8" HP coupling; 2" Tri-Clamp
Feed Reservoir	Online, 2L SUS316 Cylinder
Product material	316L stainless steel, Tungsten Carbide, Viton, Teflon, UHMWPE
Material standard	Pharmaceutical Grade, FDA & GMP approvable
Warranty	1 year against any manufacturing defects



Foolproof Control

## Available Option

Parts	Liposome Extruders, Homogenizing valves -Two stages, Heat Exchanger
Control System	Mechanical control, Speed, start, stop control
Detector	Pressure gauge, Pressure and Temp. transducer
Outlet type	Tri-Clamp or Luer
Feed Reservoir	500ml, 2000ml Cylinder or Online: 1" or 2"
Collector Reservoir	Tri-Clamp
Cylinder	Titanium High pressure Cylinder (Resistant to strong acid and base)



Homogenizing Chamber



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