

NanoGenizer-Dual Series High Pressure Homogenizer

Nanoemulsion | Cell Disruption | Nanodispersion | Deagglomeration | Liposome

Unique Benefits

- **Energy efficient:** 1/2 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
- **Strong:** More than 120mL/min at 30,000 psi
- **CE compliant and RoHS compliant**

Always Discount for Public Research



NanoGenizer-Dual series is a dual-pump bench-top electric micro-jet homogenizer which operated on the touch screen and controlled intelligently by program. The two pumps can be used separately, in parallel or in series. With compact design, it's especially suitable for laboratory preparation of fat emulsion, liposome, nano-suspension, micro-emulsion, lipid microsphere, nano-emulsions, dye and etc. The maximum working pressure is 30000 Psi/2000 Bar. All parts touching with medium are 316L stainless steel, 17-4ph stainless steel, titanium alloy, tungsten carbide, PTFE, UHMWPE or other corrosion resistance materials.

Specifications

Catalog No.	NanoGenizer-Dual
Flow rate	180mL/min at 25,000psi, 120mL/min at 30,000psi
Min. Sample	30mL
Max. Pressure	30,000psi
Dimensions (cm)	72×43×33
Weight (kg)	60
Max. Temp.	80°C (176°F)
Power	220V
Cleaning	Flush to clean
Features	Digital display of pressure or pressure gauge



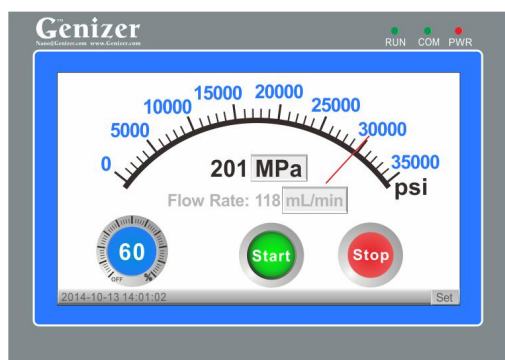
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NanoGenizer-Dual



Control Screen



Homogenizing Chamber

Standard Features

Parts	Y-type Diamond interaction chamber with cooling option
Control System	High pressure programming control systems [®] : Touch Screen, Speed control, Auto stop control by time, pressure or temperature, display of flow rate and time, overload protection
Pressure Gauge	Digital display on the touch screen
Inlet type	1/4" HP coupling
Outlet type	1/4" HP coupling
Feed Reservoir	300mL S/S Cylinder
Collector Reservoir	S/S Pipe
Product material	316L stainless steel, Tungsten Carbide, Viton, Teflon
Material standard	Pharmaceutical Grade, FDA, GMP
Warranty	1 year against any manufacturing defects

Available Option

Parts	High Pressure Extruders, Homogenizing valves -Two stages, Heat Exchanger
Control System	Speed; start; stop control
Detector	Pressure gauge, Pressure & Temp. transducer up to 8 optional
Outlet type	Tri-Clamp or Luer
Feed & Collector Reservoir	10mL, 20mL, 50mL, 100mL, 200mL Syringe, Tank or Online
Cylinder	Titanium High pressure Cylinder (Resistant to strong acid and base)