

Minigenizer-110EH Series High Pressure Homogenizer

Nanoemulsion | Cell Disruption | Nanodispersion | Deagglomeration | Liposome

Unique Benefits

Always Discount for Public Research

- **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 functions
- **Silent:** Noiseless performance with high energy efficiency
- **Strong:** More than 20L/hr
- **CE compliant and RoHS compliant**



Minigenizer-110EH series electric ultrahigh pressure homogenizer is an equipment operated with the touch screen and controlled intelligently by program. It can be used for laboratory scale-up 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

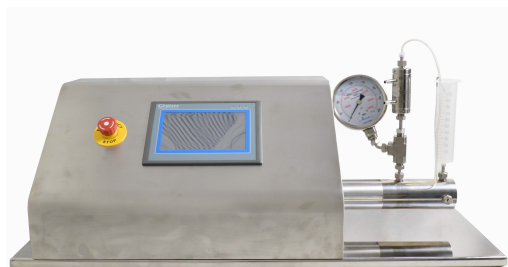
Catalog No.	Mini15k	Mini20k	Mini25k	Mini30k	Mini45k
Flow rate	450ml/min	350ml/min	300ml/min	250ml/min	160ml/min
Min. Sample	50ml	50ml	50ml	25ml	25ml
Max. Pressure	15,000psi	20,000psi	25,000psi	30,000psi	45,000psi
Dimensions (cm)	85×36×40	85×36×40	85×36×40	85×36×40	85×36×40
Weight	45 kg	45 kg	50 kg	50 kg	60 kg
Max. Temp.	80°C (176°F)				
Power	110V/220V/230V				
Cleaning	Flush to clean				
Features	Digital display of pressure or pressure gauge				



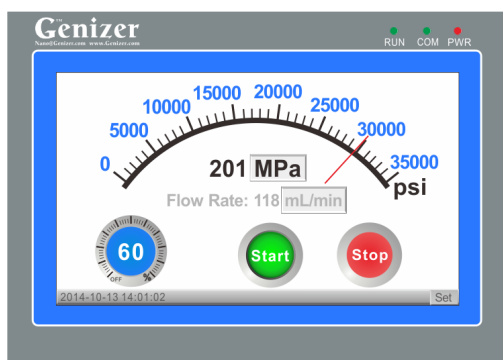
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MiniGenizer-110EH



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 volume, time, pressure or temperature, settable volume control as low as 1ml, display of flow rate and time, overload protection
Pressure Gauge	Electric
Interaction Chamber	Low sticky sample (high requirement for the final product): pharmaceuticals emulsion, liposome, fine chemistry and pure sample
Homogenizing Valve	High sticky sample: cell sample, coarse food sample, sample with <0.2mm large particles
Feed Reservoir	100ml Syringe; 500ml SUS316 Cylinder
Collector Reservoir	100ml Syringe; 500ml 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

Available Option

Parts	Liposome Extruders, Homogenizing valves -Two stages, Heat Exchanger, Three-way valve
Control System	Mechanical control, Speed, start, stop control
Detector	Pressure gauge, Pressure and Temp. transducer
Outlet type	Tri-Clamp or Luer
Feed Reservoir	100ml, 200ml, 500ml, 1000ml Syringe, Cylinder
Collector Reservoir	or Online
Cylinder	Titanium High pressure Cylinder (Resistant to strong acid and base)