

MixGenizer Series High Pressure Micromix 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 100mL/min at 30,000 psi
- **CE compliant and RoHs compliant**

Always Discount for Public Research



MixGenizer is a homogenizer specially for mixing and homogenizing the sample fluids from two or more inlet ports. The two streams are injected into the Genizer ultra high pressure dual pumps from the inlet reservoir and mix homogenously at the diamond mixing chamber where the fluids pass through the fixed micro-channels and experience high shears and strong impacts. It can be used for laboratory preparation of liposomes, nanosuspensions, microemulsions, lipid microsphere, nanoprecipitation, nanoemulsions, nanocrystals, infusion solutions, fine chemical reaction and etc.

Specifications

Catalog No.	MixGenizer-30k
Max. Flow Rate	100mL/min
Min. Sample	1mL
Max. Pressure	30,000psi
Dimensions (cm)	85×50×35
Weight (kg)	58kg
Max. Temp.	80°C (176°F)
Power	220V/110V
Cleaning	Flush to clean
Features	Notable shear rate; Powerful micromix



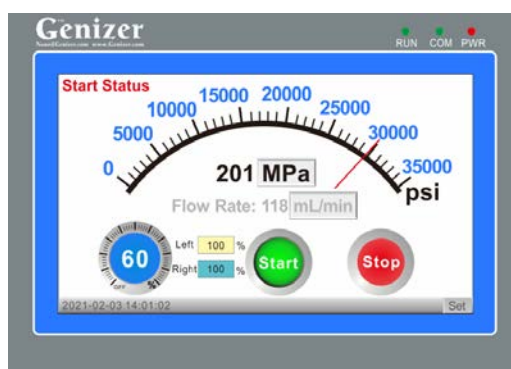
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MixGenizer



Foolproof Control



Mixing Chamber

Standard Features

Parts	Y-type diamond mixing chamber
Control System	High pressure programming control systems [®] : Touch Screen, Speed control, Auto stop control by volume, time, pressure or temperature, settable volume control as small as 1mL, 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
Inlet Speed	0-100mL/min±0.1mL/min
Mixing Accuracy	1%
Mixing Arrange	25%-100%
Feed Reservoir	20mL Syringe or S/S Cylinder
Collector Reservoir	20mL Syringe or S/S 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	High pressure extruders, Y-type diamond mixing chamber with cooling, Heat exchanger
Control System	Gradient mixing, three or four component
Detector	Pressure gauge, Pressure and Temp. transducer
Outlet type	Tri-Clamp or Luer
Feed Reservoir Collector Reservoir	20mL, 50mL, 100mL, 200mL Syringe, 300mL, 500mL S/S Cylinder, Jacketed glass cylinder or Online
Cylinder	Titanium high pressure cylinder (Resistant to strong acid and base)

