

Use the Mini Hand Homogenizer for Small Biochemical Projects

Compared to pneumatic or hydraulic liquid processors, the HandGenizer is an eco- and budget-friendly mini homogenizer. It is a manual high pressure homogenizer that works by shifting the pump handle up and down. It needs no PLC control system or electricity and is perfect for basic experimental tasks, particularly when handling small quantities of liquid samples.



The HandGenizer's mini pump has been designed specifically to provide the preferred pressure to the product stream. When the pump handle is lifted, a small quantity of the sample will be pulled into the mini-pump body. By shifting the pump handle fully down to make a high-pressure profile (maximum 30,000 psi) to the sample stream, this portion of the sample will enter the check valve and the Genizer Y-Type diamond interaction chamber. Finally, it exits the outlet to be collected.

It can also combine with a Genizer online liposome extruder to achieve liposome down-sizing.



Main Features of the NanoGenizer:

- Diamond interaction chamber
- Pressure ranges up to 30,000 psi
- Capacity: 10 to 30 ml/min@ 30,000 psi
- Power: Manual operations
- Minimum sample volume: 2 ml
- Spares and tools
- Application: Nano emulsions and liposomes