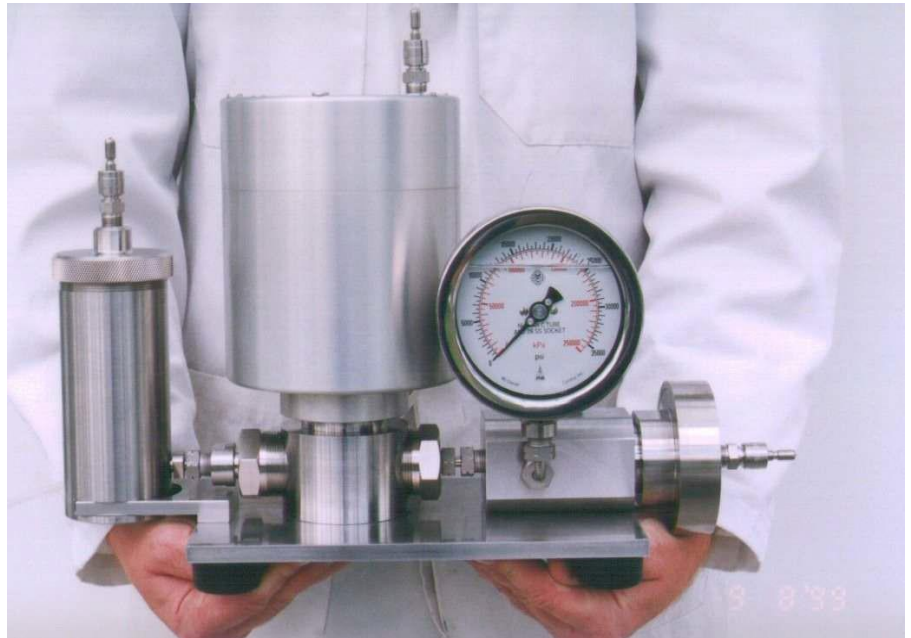


AVESTIN EMULSIFLEX C5 HIGH PRESSURE HOMOGENISER

High pressure and scalable performance in a tiny footprint

The EmulsiFlex C5 from Avestin is a benchtop homogeniser ideal for a wide range of applications including nanoparticles, emulsions, liposomes and lysis of even tough cells like E-Coli and yeast.

The unique EmulsiFlex design ensures that there are no O-rings or gaskets in the entire path of the product. This means less risk of contamination, easier cleaning and no leakage.



Pressures of up to 30,000 psi enable the EmulsiFlex C5 to process the toughest samples. With a footprint of 43 x 17 x 31 cm and weighing only 25kg, the C5 is compact enough to fit onto the most overcrowded lab bench without compromising power or performance.

AVESTIN

HIGH PRESSURE HOMOGENISERS AND LIPSOME EXTRUDERS

The EmulsiFlex C5



- Air/gas driven, high pressure pump developed and manufactured by Avestin
- Specially designed pump motor valve ensures quiet operation
- No O-rings or gaskets in product path: all face seals are precision-machined metal-to-metal or metal-ceramic

Homogenising Valve

- Pneumatically controlled, dynamic homogenising valve
- Easy disassembly for cleaning or inspection
- Same valve is used in larger models for scalable performance

Performance

- Flow rate of 1-5L/hr
- Minimal sample volume of 10 mL
- Holdback volume < 1 mL
- Adjustable homogenising pressure from 500 - 30,000 psi

Temperature Control

- Stringent inlet and outlet temperatures can be controlled with the installation of a cooling coil or a heat exchanger
- Suitable for cold room use

Cleaning and sterilisation

- Optional GMP certification available
- Suitable for CIP (Clean-In-Place), cleanrooms and for GMP manufacturing
- All materials within the wetted parts will withstand prolonged exposure to high pressure steam for the purposes of sterilisation

Requirements for Operation

- Clean, dry compressed air (7 CFM) at 7 bar
- Air consumption: Up to 200L/min
- No electrical power required

Accessories Include

- Temperature inlet / outlet cooling
- Syringe fittings
- High pressure filter / extruder
- Automatic pressure control
- Electronic pressure gauge

Dimensions

- 432mm (L) x 171mm (W) x 311mm (H)
- Weight: 25kg

