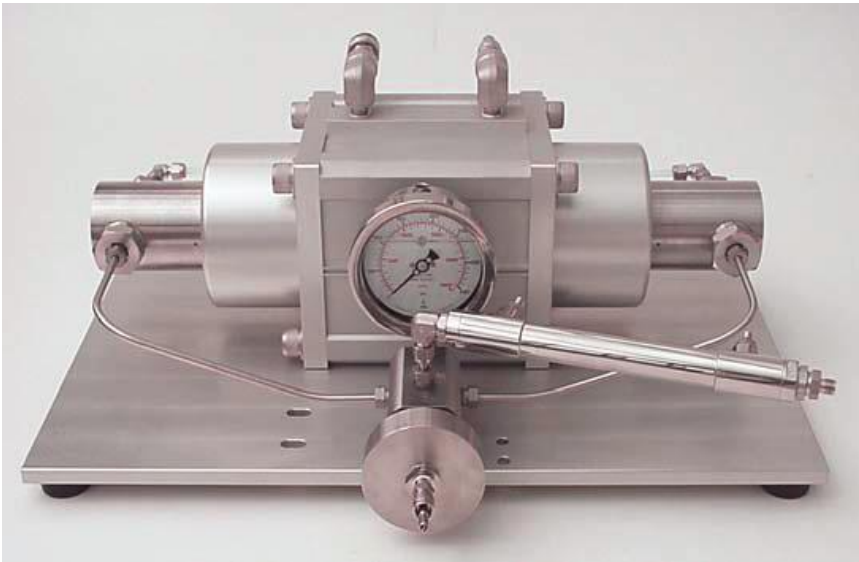


AVESTIN EMULSIFLEX C50 HIGH PRESSURE HOMOGENISER

Pilot Scale High Pressure Homogeniser / Cell lysis System



The Emulsiflex C50 from Avestin is a pilot-scale high pressure homogeniser, ideal for applications including:

- Cell disruption
- Emulsions
- Liposomes
- Particle size reduction

The C50 is pneumatically powered, with a duplex pump designed for quiet operation.

Avestin's unique, dynamic homogenising valve design minimises blockage risk, and there are no O-rings or gaskets in the entire product path, meaning reduced risk of contamination and easier cleaning.

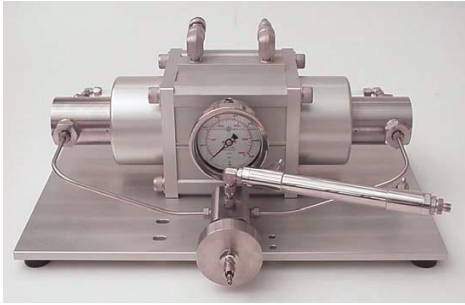
Adjustable homogenising pressures of up to 30,000 psi enable the processing of even the toughest samples at a rate of 10-50L/hr.

AVESTIN

HIGH PRESSURE HOMOGENISERS AND LIPSOME EXTRUDERS

The EmulsiFlex C50

- Air/gas driven, double-acting, high-pressure pump, developed and manufactured by Avestin
- Designed for Large Scale processing
- No O-rings or gaskets in the entire product path: all face seals are precision-machined metal-to-metal or metal-to-ceramic



Homogenising Valve

- Pneumatically controlled, dynamic homogenising valve
- No air-operated, pilot valve, making it possibly the quietest air-driven pump in the market
- Scalable performance

Performance

- Flow through capacity of 15-50 L/hr
- Minimal sample volume of 25mL
- Minimal holdback < 4ml
- Adjustable pneumatic pressure control up to 30,000psi / 2000 bar

Cleaning and sterilisation

- Optional GMP certification available
- Suitable for CIP, cleanroom and GMP manufacturing
- All materials within the wetted parts path will withstand prolonged exposure to high pressure steam for the purposes of sterilisation

Temperature Control

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

Dimensions

- 530 mm (W) x 610mm (D) x 260mm (H)

Weight

- 80kg