

AVESTIN EMULSIFLEX C3 HIGH PRESSURE HOMOGENISER

The Emulsiflex C3 from Avestin is a benchtop high pressure homogeniser ideal for applications including:



- Cell disruption
- Emulsions
- Liposomes
- Particle size reduction

The C3 is electrically-powered and the pump is designed to ensure silent 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.

The Avestin logo consists of the word "AVESTIN" in a bold, white, serif font, centered within a solid green rectangular background.

BenchTop High Pressure Homogeniser System



- Electrically driven high pressure pump with minimal need for compressed air
- Specially designed to ensure very quiet operation
- Plug and play design

Homogenising Valve

- Dynamic homogenising valve with pneumatic control
- No O-rings or gaskets in the entire product path
- All face seals are precision-machined metal-to-metal or metal-to-ceramic
- Easy disassembly for cleaning or inspection
- Scalable performance

Performance

- Flow rate of 3L/hr, not affected by homogenising pressure
- 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 heat exchanger
- Suitable for cold room use

Cleaning and sterilisation

- Suitable for CIP (Clean-In-Place), cleanrooms and for GMP manufacture
- All wetted parts are autoclavable and SIP (Steam-In-Place) sterilisable
- Optional GMP certification available

Requirements for Operation

- Single phase, 13A fused socket
- Clean, dry compressed air (or gas) at 6-8 bar

Dimensions

- 380mm (W) x 630mm (D) x 720mm (H)
- Weight: 120kg

