

EmulsiFlex-B15

HIGH PRESSURE HOMOGENISER

The Emulsiflex B15 from Avestin is a benchtop high pressure homogeniser that rapidly disrupts cells while avoiding over processing and protein damage.



- Air powered.
- Dynamic homogenizing valve with pneumatic control.
- Pressure adjustable from 2000-45000psi/140-3000bar.
- Minimum sample size 3ml; Maximum sample size 15ml.
- Operation requires a compressed air or gas cylinder (60-150psi/4-10bar). No electrical connection required.
- Built-in safety valve prevents pressure from exceeding a set safety limit.
- Dimensions: 335mm (L) x 280mm (W) x 650mm (H)
- Weight: 37kg
- The instrument is ready to use and easy to install.

AVESTIN

APPLICATIONS

Emulsions/ Cell rupture: Pharmaceutical emulsions and cells such as yeast can be processed to a reduced size and narrow distribution.

Contact us to learn more or to request a quote:
<https://biopharma.co.uk/bps/contact-2/>

PRODUCT OVERVIEW

The Emulsiflex B15 uses a dynamic homogenising valve. The benefit of a dynamic valve is that the samples are processed at a constant homogenising pressure. Most cells are ruptured in a single pass thereby avoiding over processing and protein damage.

The homogenising pressure is adjustable between 500 and 45,000psi. It has a capacity of 15mL and it can process a sample as small as 3mL. The EmulsiFlex-B15 has no "O"-rings or gaskets in the product path. It is suitable for clean room and GMP manufacturing. The wetted parts are autoclavable and it is steam-in-place (SIP) sterilisable.

This cell disruptor has an air driven pump which means that no electrical power is needed. It requires a supply of compressed or bottled air. For most emulsions, liposomes and E. coli rupture, an air pressure of 100psi is sufficient.

BENEFITS

- **Efficient and uniform processing:**
Most cells are ruptured in a single pass avoiding over processing and protein damage.
- **Compact unit:**
The EmulsiFlex-B15 has a capacity of 15mL and it can process a sample as small as 3mL.
- **No "O" rings or gaskets:**
There are no "O" rings or gaskets in the entire product path, which means little or no cross contamination.

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