**Capacity**: The EmulsiFlex-C3 has a capacity of 3L/hr. The flow rate is independent of homogenizing pressure. Minimum sample volume of 7mL with a holdback volume of less than 1mL.

**Pressure**: Adjustable between 500-30,000psi (30-2,000bar), which is high enough for virtually every homogenization application. Pneumatic pressure control with virtually no air consumption. Pressure transducer for precision pressure measurement is also available.

**Unique Design**: The EmulsiFlex-C3 has an electric gear motor driven, single-acting, high-pressure pump. Almost noiseless. Runs with 220V or 110V power. The motor is only 1HP (0.75kW). There are no “O”-rings in the high pressure product path. The instrument can be installed and run almost anywhere.

**Temperature Control**: AVESTIN provides stainless steel heat exchangers to control inlet and outlet temperatures.

**Filter/Extruder**: The EmulsiFlex-C3 can be equipped with a high pressure filter/extruder. Applications include the extrusion of emulsions or liposome through membranes and sterile filtration at high pressure.

**Homogenizing Valve**: The EmulsiFlex-C3 is delivered with a dynamic homogenizing valve. The valve can be easily disassembled for cleaning or inspection. Submicron particles or droplets with diameters less than 50nm and extremely narrow size distributions can be achieved.

**Cleaning/Sterilization**: The equipment is Steam-In-Place (SIP) sterilizable. It is suitable for clean room and GMP manufacturing. All wetted parts are autoclavable. For inspection, all wetted parts can be disassembled and reassembled in a short time.

**Applications**: Pharmaceuticals, chemicals, cosmetics, coatings, inks, food, etc. Suitable for clean room and GMP manufacturing.

### Specifications
- **Dimensions**:
  - mm: 380 (L) * 630 (W) * 530 (H)
  - inch: 15 (L) * 24.8 (W) * 21 (H)
- **Weight**: 120Kg / 264lb
- **Power**: 110–220V, 50/60Hz, 1hp/0.75kW
- **Air**: 60-120psi, virtually no air consumption

AVESTIN is based in Ottawa, Canada, and represented in Australia and New Zealand by ATA Scientific Pty Ltd:

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