



**Gillain & Co**

HYGIENIC EQUIPMENT FOR FOOD & LIFE SCIENCES

## FBF001



### Compression head and Homogenizing valve

- Compression head manufactured from a single block of high quality stainless steel, with a 5 year guarantee against cracking and defects
- Valve group assemblies have replaceable seats and ball valve shutters, making them ideal for processing a wide range of products
- Homogenizing valves designed to provide efficient use of energy, with high stability and alignment of the moving parts (impact head). The FBF hydrodynamic assembly ensures vibration free homogenisation
- Valve components and homogenizing valves are manufactured in special materials making FBF equipment suitable for a wide range of products

### Motorization – Structure

- Pump body made in thick walled premium grade high-resistance cast iron,



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- engineered to withstand heavy loads and cancel out vibration
- Crankshaft in special steel (heat treated and ultrasound scanned), supported by robust roller bearings
- Modern “V” belt drive provides power transmission to the separate reduction gearbox
- 3 phase, 4 pole, AC electric drive motor
- Lubrication system by oil bath

## **Maintenance kit**

- Initial set of spare parts supplied with the machine include the following: full set of gaskets, a set of springs for valves and a complete safety valve set
- Set of tools for ordinary maintenance
- Lubrication oil (pump body and gearbox)
- Instruction and maintenance manuals (2 copies + CD ROM)

## **Standard options**

- 2nd stage homogenizing valve
- Digital pressure transducers
- Electrical Controls - Fixed Capacity: An internal electrical board; Variable Capacity: A stainless steel panel mounted directly above the machine
- Aseptic Version with “sterility barriers” traced with steam condensate
- Pulsation dampeners on product inlet and/or outlet connections
- Automatic disconnection of the homogenizing pressure if the inlet pressure falls below a safe level, by means of a pressure gauge with alarm contacts fitted to the product inlet connection to the machine
- Automatic homogenization pressure controller

*\* Technical specifications are not mandatory and are subject to change without notice*