



H.P. Homogenizers



FBF048

FBF058

FBF078

FBF088



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**.
- Each valve assembly is housed inside an individually inspected AISI 316 stainless steel block.
- Pumping Pistons manufactured with special hard wearing coating and double guides.
- Valve group assemblies have replaceable seats and hemispherical valve shutters, ideal for processing a wide range of products
- Homogenizing valves designed for efficient use of energy, with high stability and alignment of the moving parts (impact head). The FBF hydrodynamic design ensures vibration free homogenisation.

Motorization - Structure

- Pump body made in thick walled premium grade high-resistance cast iron, engineered to withstand heavy loads and cancel out vibration.
- Reduction gear integrated into the pump body.
- Crankshaft in special steel (heat treated and ultrasound scanned), supported by 5 robust roller bearings, with bronze bearings on the crankpins only.
- Force fed lubrication with a special oil level sensor, a fine filter to collect impurities and a single oil lubrication system for both the pump body and the reduction gears. An alarm indicates high oil temperature.
- 3 phase, 4 pole, AC electric drive motor.
- Power Transmission using a "V" belt with automatic tensioning

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)



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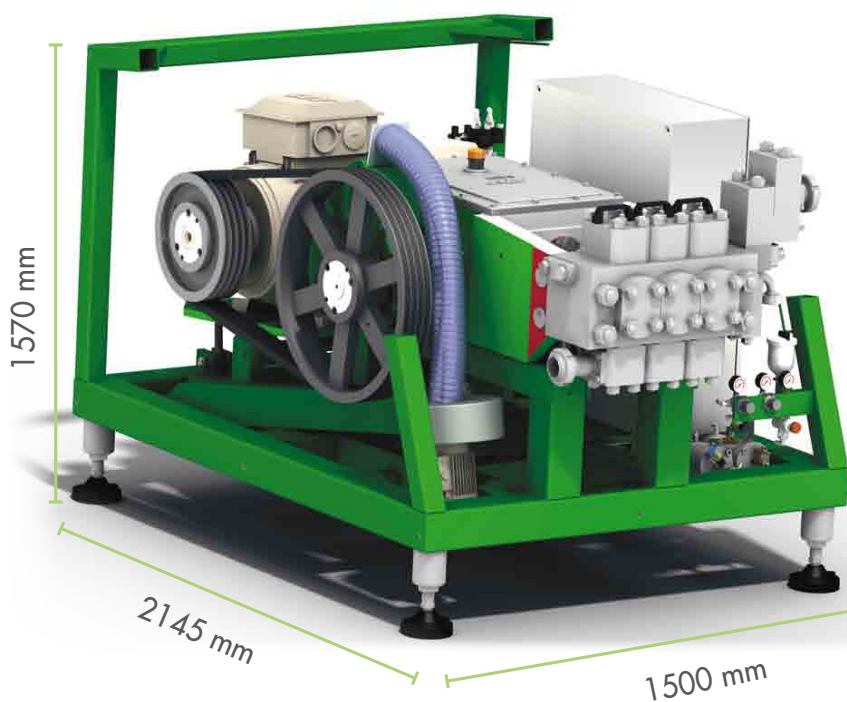


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Technical data

● FBF048 (kW)	45,0	
● FBF058 (kW)	55,0	
● FBF078 (kW)	75,0	
● FBF088 (kW)	90,0	
Pumping pistons	3	
IN/OUT	DIN (DN)	65-80/50-65
	Tri-Clamp	2,5"-3" / 2"-2,5"
Water consumption (l/h)	80-120	
Weight (Kg)	2.900	



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

Standard options

- 2nd stage homogenizing valve
- Digital pressure transducers
- Electrical Controls - Fixed Capacity: An internal electrical board; Variable Capacity: separate stainless steel cabinet for local installation.
- 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.

Table production models **FBF048 - FBF058 - FBF078 - FBF088**

● Working Pressure	Bar	100	130	150	180	200	230	250	300
● Capacity from	l/h	13.500	10.500	8.800	7.400	7.400	6.400	5.200	4.200
● capacity to	l/h	22.500	20.500	18.500	15.500	14.500	12.200	10.500	9.000