



ENGLISH



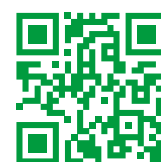
H.P. Homogenizers  
& Plunger Pumps

# Industrial Homogenizers



TECHNICAL DATA SHEET MODELS:

**FBF1002 • FBF2003**  
**FBF2004 • FBF3006**  
**FBF3008 • FBF3011**  
**FBF3015**



Watch the video



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**FBF1002**



**FBF2003 • FBF2004**



**FBF3006 • FBF3008  
FBF3011 • FBF3015**

### COMPRESSION HEAD AND HOMOGENIZING VALVE

- Compression head manufactured from a single block (easy and fast maintenance) of high quality stainless steel (duplex 2205 or equivalent), with a 3 year guarantee against cracking
- Plungers in stainless steel with double coating in chrome and DLC (Diamond Like Carbon)
- Interchangeable Valve group assemblies available in special materials depending on the products to be processed
- Homogenizing valves designed to be energy efficient, with high stability and alignment of the moving parts (impact head) due to the hydrodynamic assembly, which ensures a vibration free homogenization
- Safety valve, in sanitary execution, of spring type with replaceable shutter and seat

### MOTORIZATION

- Pump body made using a thick walled premium grade high-resistance cast iron, engineered to withstand heavy loads and cancel out vibrations
- Crankshaft made of special type steel, machined from a heat treated solid piece with high-quality finishing of the crank pins and complete nitriding; supported by heavy-duty roller bearings (with bronze bearings used on the crank pins only)
- Power transmission with a double reduction stage: "V" belts / pulleys, with parallel axes reduction gear of primary brands
- AC motor of primary brands (4 poles)
- Oil splash type lubricating plant, in oil-bath mechanical components, correct oil level checked by a proper inspection window installed on the machine front side

### STRUCTURE

- Structure entirely made of stainless steel square-section pipe frame, provided with separate stainless steel panels with satin finish

### MAINTENANCE KIT

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

### STANDARD OPTIONS

- 2nd stage homogenizing valve controlled by a special oilpneumatic system
- Digital pressure transducers and analogue gauges with 4-20 ma output
- Variable Capacity (stainless steel panel mounted directly above the machine)
- Fixed Capacity (internal electrical board)
- Aseptic Version with "sterility barriers" traced with steam condensate created by an integrated plant
- Pulsation dampeners on product inlet and/or outlet connections, for special aseptic version as well
- Pressure gauge with alarm contacts for the automatic cutoff of the homogenizing pressure, complete with timing device to manage the start/stop of the homogenizing valves
- Automatic homogenization pressure controller

### TECHNICAL FEATURES

Homogenizer	Engine	Plungers	Water consumption	Dimensions	Weight (approx.)
Model	(kW)	(Nr.)	(l/h)	LxPxH (cm)	(kg)
<b>FBF 1002</b>	2,2	2	60	58x85x77	170
<b>FBF 2003</b>	3	2	60	85x115x92	360
<b>FBF 2004</b>	4	2	60	85x115x92	365
<b>FBF 3006/8</b>	5,5/7,5	3	70	85x115x92	410
<b>FBF 3011</b>	11	3	70	100x130x100	470
<b>FBF 3015</b>	15	3	70	107x133x109	510

### FUNCTIONAL FEATURES

Model	Operating pressure	bar	100	130	150	180	200	230	250	300
<b>FBF 1002</b>	Capacity	from (l/h)	50	50	50	50	50	50	50	50
		to (l/h)	300	300	300	250	200	200	150	150
<b>FBF 2003</b>	Capacity	from (l/h)	350	350	350	300	250	250	200	200
		to (l/h)	650	650	600	500	400	400	350	300
<b>FBF 3006/8</b>	Capacity	from (l/h)	700	700	650	550	500	450	400	400
		to (l/h)	2.400	2.400	2.400	2.400	2.200	1.800	1.500	1.300

Technical specifications can vary and are subject to change without notice



**FBF ITALIA Srl**  
Via Are, 2, 43038 Sala Baganza (PR) Italy

**Ph.:** +39 0521 54 82 11 **Fax:** +39 0521 83 51 79  
**eMail:** info@fbfitalia.it **Web:** www.fbfitalia.it