



ENGLISH



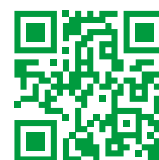
H.P. Homogenizers
& Plunger Pumps

Industrial Homogenizers

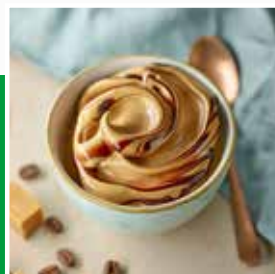


TECHNICAL DATA SHEET MODELS:

FBF4011 • FBF4015
FBF4018 • FBF4022



Watch the video



www.fbfitalia.it

COMPRESSION HEAD AND HOMOGENIZING VALVE

- Compression head manufactured from a single block of high quality stainless steel (duplex 2205 or equivalent), machined and ultrasounds checked, with a 3 year guarantee against cracking
- Plungers in stainless steel with double coating in chrome and DLC (Diamond Like Carbon)
- Valve groups assemblies have replaceable seats and hemispherical valve shutters, making them ideal for processing a wide range of products
- 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 from 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 4 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)

- Pressurized type lubricating plant, correct oil level checked by a proper inspection window installed on the machine front side, irregular oil pressure alarm with warning light, driven impurities filtering. For the best thermal balance/dissipation all transmission's components are oil splashed
- Frame made of thick carbonated steel square section pipe, powder coated, supplied with dismantlable satin finish stainless-steel panels



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 normal maintenance
- Lubrication oil (pump body and gearbox)
- 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)
FBF 4011	11				
FBF 4015	15	3	100	115x140x120	800-850
FBF 4018	18,5				
FBF 4022	22				

FUNCTIONAL FEATURES

Operating pressure	bar	100	130	150	180	200	230	250	300
Capacity	from (l/h)	2.200	2.200	2.200	1.800	1.700	1.300	1.300	1.100
	to (l/h)	6.000	4.500	4.000	3.500	3.000	2.500	2.000	2.000

Technical specifications can vary and are subject to change without notice

