



FBF4011 | FBF4015 | FBF4018 | FBF4022



COMPRESSION HEAD AND HOMOGENIZING VALVE

The compression head is manufactured from a single block of high quality stainless steel, of special type, forged and checked with ultrasounds, with a 5 year guarantee against cracking and defects

The pumping pistons are coated with special "Diamond Like Carbon" plating (as a standard)

The valve group assemblies have replaceable seats and hemispherical valve shutters, making them ideal for processing a wide range of products

The Homogenizing valves are 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 – STRUCTURE

The pump body is made from a thick walled premium grade high-resistance cast iron, engineered to withstand heavy loads and cancel out vibration

The crankshaft is made from a special steel, machined from a solid piece, which has been heat treated and with super-finishing of the goosenecks and complete nitriding; the crankshaft is supported by robust roller bearings (with bronze bearings used only on the crank pins)

Power transmission with a double reduction stage: "V" belts with reduction gear with parallel axes, sourced from a leading Company (eliminating the need for water cooling)

3 phase, 4 pole, AC electric drive motor supplied by a leading Company

Lubricating plant of pressurized type. The correct oil level is checked by a proper inspection

window installed on the front side of the machine and a warning light turns on in the event of irregular oil pressure, and a driven filtering out of possible impurities. For the best thermal balance/dissipating all transmission components are immersed in an oil bath

The frame consists of a thick square-section of carbonated steel, and powder coated, and supplied with dismountable panels made of stainless steel with satin finish

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 normal maintenance

Lubrication oil (pump body and gearbox)

Instruction and maintenance manuals (2 copies + CD ROM)



3A certification available for U.S.A., on demand for Canada

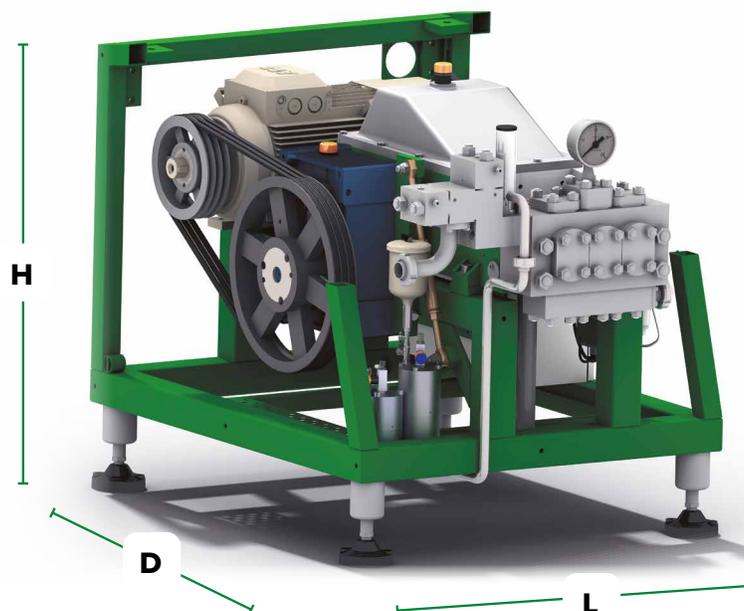
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TECHNICAL FEATURES

FBF4011	kW	11
FBF4015	kW	15
FBF4018	kW	18,5
FBF4022	kW	22
Pumping pistons	N.	3
Water consumption	gph	26.41
Weight	lbs	1,763- 1,873
Dimensions (LxDxH)	in	45.27 x 55,11 x 47,24



STANDARD OPTIONS

2nd stage homogenizing valve controlled by a special oil-pneumatic system

Digital pressure transducers and analogue gauges with 4-20 mA output

Variable Capacity (A stainless steel panel mounted directly above the machine)

Aseptic Version with “sterility barriers” traced with steam condensate created by an integrated plant

Fixed Capacity (internal electrical board)

Pulsation dampeners on product inlet and/or outlet connections, for special aseptic version as well

Pressure gauge with alarm contacts for the automatic cut-off of the homogenizing pressure, complete with timing device to manage the start/stop of the homogenizing valves

Automatic homogenization pressure controller

FUNCTIONAL FEATURES

Operating pressure	psi	1,450	1,885	2,175	2,610	2,900	3,335	3,625	4,351
Capacity	from (gph)	581.18	581.18	581.18	475.51	449.09	343.42	343.42	290.59
	to (gph)	1,585.03	1,188.77	1,056.69	924.60	792.52	660.43	528.34	528.34

Technical specifications can vary and are subject to change without notice