



H.P. Homogenizers



FBF001	FBF003	FBF004
FBF005	FBF007	FBF008
FBF009	FBF010	FBF011

English version



| **FBF001**



FBF003
FBF004
FBF005

Compression head and Homogenizing valve

- The Compression head is manufactured from a single block (easy and fast maintenance) of high quality stainless steel of a special type, with a 5 year guarantee against cracking and defects
- Pumping Pistons coated with a special "Diamond Like Carbon" plating (as a standard)
- Interchangeable Valve group assemblies available in special materials depending on the products to be processed
- 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 homogenisation
- Safety valve, in sanitary execution, of spring type with replaceable shutter and seat

Motorization - Structure

- The pump body is made using 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/pulleys, with parallel axes reduction gear
- 3 phase, 4 poles, AC electric drive motor of leading Company
- Lubricating plant of oil splash type. The mechanical components are in oil-bath and the correct oil level is checked by a proper inspection window installed on the front side of the machine

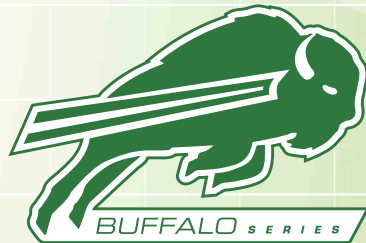
- The structure is made from square-section pipe frame in stainless steel execution, provided with separate stainless steel panels with satin finish

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 ordinary maintenance
- Lubrication oil
- Instruction and maintenance manuals (2 copies + CD ROM)



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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)
- 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 cut-off of the homogenizing pressure, complete with timing device to manage the start/stop of the homogenizing valves
- Automatic homogenization pressure controller

Technical Features						Functional Features							
Homogenizer	Engine	Pumping pistons	Water consumption	Dimensions	Weight (approx.)	100 (bar)	130 (bar)	150 (bar)	180 (bar)	200 (bar)	230 (bar)	250 (bar)	300 (bar)
Model	(kW)	(N.)	(L/h)	L x D x H (cm)	(Kg)	Capacity (L/h)							
FBF001	2,2	2	60	58x85x77	170	300	300	300	250	200	200	150	100
FBF003	3	2	60	82x112x92	360	650	550	450	400	350	300	250	200
FBF004	4	2	60	82x112x92	365	-	650	600	500	450	400	350	300
FBF005	5,5	2	60	82x112x92	375	-	-	650	550	500	450	-	350
FBF007	5,5	3	70	82x112x92	410	1.200	1.200	1.000	900	800	700	650	500
FBF008	7,5	3	70	82x112x92	420	-	-	1.200	1.200	1.000	800	800	650
FBF009	7,5	3	70	82x112x92	420	2.100	1.600	1.500	-	-	-	-	-
FBF010	11	3	70	98x130x100	470	-	-	-	-	1.250	1.250	1.250	1.100
FBF011	11	3	70	98x130x100	470	-	2.200	2.200	1.700	1.700	-	-	-

Technical specifications can vary and are subject to change without notice