



FBF North America

Sales and Service Center

H.P. Homogenizers and P.D. Pumps



TRIPLEX PLUNGER PUMPS

FBF3008-3015XC | FBF4015-4018XC

HIGH PRESSURE HOMOGENIZERS & PLUNGER PUMPS



X SERIES PLUNGER PUMPS

FBF ITALIA "X Series" plunger pumps are heavy-duty process pumps standing out for the distinction of having motorization via gearmotor, directly connected to the crankshaft; this feature allows to have pumps with an extremely small footprint.

"X Series" pumps are manufactured according to 3-A standards and are the right solution for pumping food liquids of various viscosities.

Easiness, solidity, reliability: all characteristics of the "X Series" pumps.





COMPRESSION HEAD

Compression head with a 3-year guarantee against cracking, manufactured from a single block of high-quality stainless steel AISI 316 of special type, machined according to 3-A standards

Plungers in stainless-steel with chrome coating and DLC treatment (Diamond Like Carbon)

Valve seats of interchangeable type, in Stellite and reversible (2 working sides)

Valves with semispherical profile, in Stellite, suitable to process any pumpable product

Safety valve of spring type, designed to protect compression head from abnormal overpressures

PUMP BODY – POWER TRANSMISSION

Pump body manufactured from a mechanical cast- iron casting (G25, with double heat relieving treatment), with oil-splash type lubrication of rotating components (oil-splash + pressurized type on FBF4018 models)

Crankshaft made of special type steel (39NiCrMo3), machined from a heat-treated solid piece and nitrided. It's supported by roller-bearing of primary brand and directly controlled by gearmotor (no joints subject to maintenance).

Gearmotor of primary italian label (STM); 4 poles AC motor, UL-CSA regulation, 220-480/60 (supplied also in 575/60 version) equipped with servo-ventilation



STRUCTURE

Frame made of stainless-steel AISI304 square section pipe.

Cladding made of stainless-steel AISI304 with satin finish. The upper surfaces of the cladding are slanted and comply with 3-A standards.

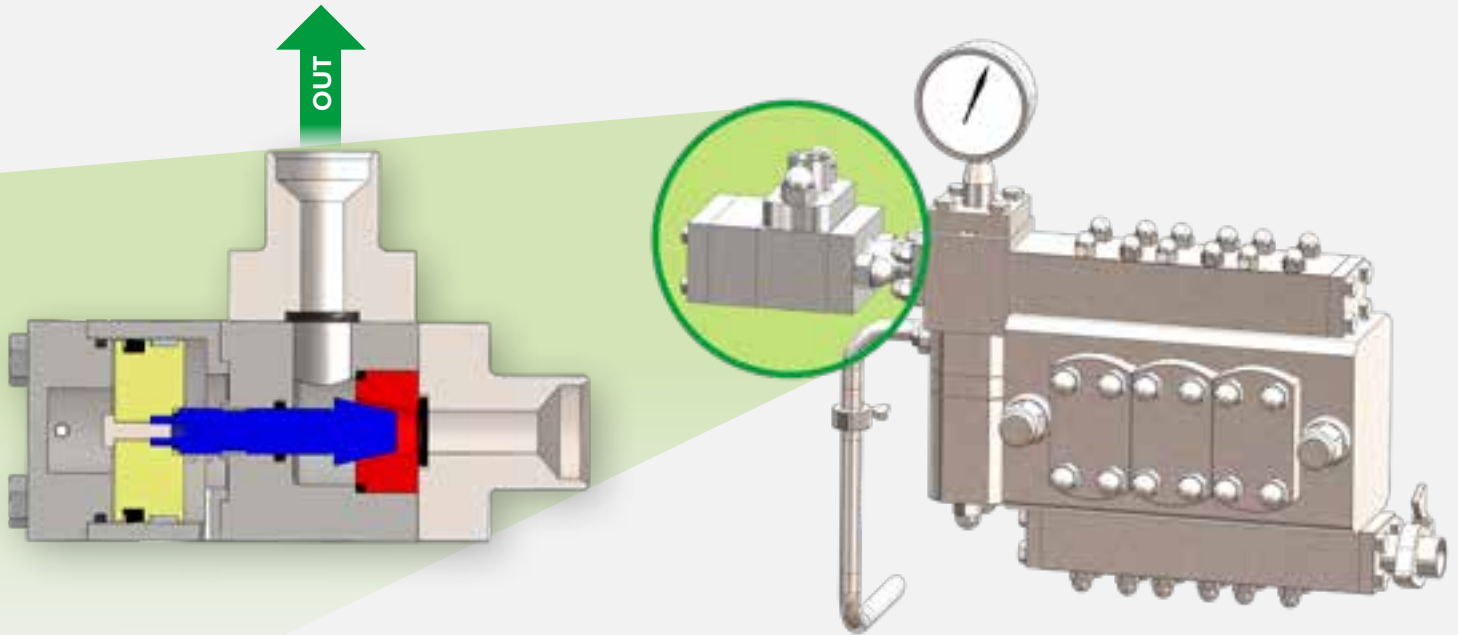
STANDARD MACHINE EQUIPMENT

First intervention spare parts set (full gasket set, valve groups springs set, safety valve set)

Set of tools for ordinary maintenance

Lubrication oil for pump body and gearmotor

Use and maintenance manual (2 copies)



SMOOTHING CHAMBER (OPTIONAL)

Smoothing chamber integrated to the pump, with smoothing valve of conical type, suitable for treating food liquids. Inside the smoothing valve we find the “Pass head” and the “Mobile head”, made of special heat-treated material. The operation of the smoothing chamber is of

pneumatic type (compressed air to be supplied by the customer) and a special regulator controls the treatment pressure of the product.

Standard supply includes a smoothing pressure adjustable up to 50 bar (720 PSI).

FUNCTIONAL FEATURES

GPH	PSI										LPH	BAR									
	500	600	700	800	900	1,000	1,200	1,400	1,600	1,800		30	40	50	60	70	80	90	100	110	120
600	3015.08	3015.08	3015.08	3015.08	3015.08	3015.08	3015.11	3015.11	3015.11	3015.15	2,500	3015.08	3015.08	3015.08	3015.08	3015.11	3015.11	3015.11	3015.11	3015.11	3015.15
700	3015.08	3015.08	3015.08	3015.08	3015.08	3015.08	3015.11	3015.11	3015.15	3015.15	3,000	3015.08	3015.08	3015.08	3015.08	3015.11	3015.11	3015.11	3015.15	3015.15	3015.15
800	3015.08	3015.08	3015.08	3015.08	3015.11	3015.11	3015.11	3015.15	3015.15	3015.15	3,500	3015.08	3015.08	3015.08	3015.11	3015.11	3015.11	3015.15	3015.15	4018.18	4018.18
900	3015.08	3015.08	3015.08	3015.11	3015.11	3015.11	3015.15	3015.15	3015.15	4018.18	4,000	3015.08	3015.08	3015.11	3015.11	3015.15	3015.15	3015.15	4018.18	4018.18	4018.18
1,000	3015.08	3015.08	3015.08	3015.11	3015.11	3015.11	3015.15	3015.15	4018.18	4018.18	4,500	3015.08	3015.08	3015.11	3015.11	3015.15	3015.15	4018.18	4018.18		
1,150	3015.08	3015.08	3015.11	3015.11	3015.11	3015.15	3015.15	4018.18	4018.18		5,000	3015.08	3015.11	3015.11	3015.15	3015.15	4018.18	4018.18			
1,300	3015.08	3015.11	3015.11	3015.11	3015.15	3015.15	4018.15	4018.18			5,500	4018.15	3015.11	3015.11	3015.15	3015.15	4018.18				
1,450	3015.11	3015.11	3015.11	3015.15	3015.15	3015.15	4018.18				6,000	4018.15	4018.15	4018.15	4018.15	4018.15	4018.18				
1,600	4018.15	4018.15	4018.15	4018.15	4018.18	4018.18					7,000	4018.15	4018.15	4018.15	4018.18						
1,800	4018.15	4018.15	4018.15	4018.15	4018.18						7,500	4018.15	4018.15	4018.15	4018.18						
2,000	4018.15	4018.15	4018.15	4018.18	4018.18						8,000	4018.15	4018.15	4018.18	4018.18						

TECHNICAL FEATURES*

Model	kW	Weight
FBF3015.08XC	7.5	1,170 lb (530 kg)
FBF3015.11XC	11	1,245 lb (565 kg)
FBF3015.15XC	15	1,270 lb (575 kg)
FBF4018.15XC	15	1,535 lb (695 kg)
FBF4018.18XC	18.5	1,620 lb (735 kg)
Plungers	No. 3	
Water consumption	22 GpH (80 LpH)	
Dimension (D x L x H) FBF30__XC	32 x 37 x 59 In 81 x 93 x 150 Cm	
Dimension (D x L x H) FBF40__XC	37 x 39 x 63 In 95 x 100 x 160 Cm	



* Weights and dimensions include cladding

Technical specifications can vary and are subject to change without notice.

MAIN OPTIONAL DEVICES

- Analogue pressure gauge with 4-20 mA output signal
- Digital pressure transducer with 4-20 mA output signal
- Electrical plant for variable capacity (through frequency converter)
- AC motor 575V, 60 Hz
- Smoothing chamber of the product



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