

Plow Mixers FKM Series Batch Processing

EFFICIENT, TRUSTED, USER-FRIENDLY

FKM Series batch mixers are built with the most advanced technology and reliable components available, helping them deliver absolute mixing while making your processes more efficient. The high performance and flexibility of FKM Series batch mixers make them ideal for a wide variety of markets, and for mixing applications that include solids to solids, liquids to solids, and paste or pseudoplastic materials.

Unique Mixing Action – Intense, yet Gentle

A distinguishing feature of mixers from B&P Littleford is their fluidized bed mixing action, created by the specially designed shape and speed of the vessel's mixing elements. This action delivers a high volume rate of material transfer throughout the length of the vessel, but with minimal impact and degradation of materials. The result is outstanding efficiency and accuracy in the mixing of a full range of materials.

Additional features and benefits:

- Tailored to your specific needs for optimal mixing and performance
- Excellent heat transfer to prevent temperature gradients
- Split seal assembly for simple cleaning without special tools
- Sanitary designs to meet USDA, FDA and 3-A Specifications
- Easily fitted with air purge shaft seals for applications that require keeping product away from the seal
- Flexibility for low-, medium- or high-shear mixing

Optional machine tools and add-ons:

- A range of plow options, including models for enhanced heat transfer
- Various chopper blades, including carbide tips and wear-resistant coating
- Vacuum construction
- Jacketing for heating/cooling
- Special discharge valving
- Wear-resistant liners

Backed by Exceptional Service and Expertise

B&P Littleford is committed to R&D, peerless service and building the highest-quality products. With each machine comes the peace of mind that it will last for years, with field service when and where you need it for the life of the equipment. By working closely with you, we help you eliminate downtime and get the most from your operations.



FKM Series batch mixers consist of a horizontal mixing cylinder with mixing elements mounted to the main shaft, a charging port located on top of the mixer, contour access doors on the front of the mixer, and a contour discharge opening on the bottom of the mixer. Electrical controls are designed to meet your specific requirements.

Typical Mixer Applications

- Agglomerating
- Coating
- Granulating
- Vac drying
- Sterilizing
- Heating/cooling

Select Markets

- | | |
|----------------------|-----------------------|
| • Adhesive | • Pharmaceutical |
| • Agriculture | • Powdered metal |
| • Ceramic | • Pigment/dye/ink |
| • Chemical | • Rubber |
| • Construction | • Sealant |
| • Cosmetic | • Thermoplastic |
| • Food/candy | • Thermoset composite |
| • Mineral/ore | |
| • Nutraceutical | |
| • Pet food/nutrition | |

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Learn More

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Model	Vessel Liters	Vessel Cu. Ft.	Vessel 70% Cu. Ft.	Vessel 30% Cu. Ft.	Vessel Gallons	Vessel 70% Gal.	Vessel 30% Gal.	Vessel # Choppers
M-5	5	0.2	0.14	0.06	1.3	0.91	0.39	0
M 22D	22	0.8	0.56	0.24	5.3	3.71	1.59	1
FM 75D	75	2.7	1.89	0.81	19.8	13.9	5.94	1
FM 130D	130	4.6	3.22	1.38	34.3	24.0	10.3	1
FM 300D	300	10.6	7.42	3.18	79	55.3	23.7	1
FKM 600D	600	21.2	14.8	6.4	159	111	47.7	2
FKM 1200D	1200	42.4	29.7	12.7	317	222	95.1	4
FKM 1200E	1200	42.4	29.7	12.7	317	222	95.1	2
FKM 2000D	2000	70.6	49.4	21.2	528	370	158	4
FKM 2000E	2000	70.6	49.4	21.2	528	370	158	3
FKM 3000D	3000	106	74.2	31.8	793	555	238	4
FKM 3000E	3000	106	74.2	31.8	793	555	238	3
FKM 4200D	4200	148	104	44.4	1110	777	333	4
FKM 4200E	4200	148	104	44.4	1110	777	333	3
FKM 6000D	6000	212	148	63.6	1585	1110	476	4
FKM 8000D	8000	283	198	84.9	2113	1479	634	6
FKM 10000D	10000	353	247	106	2642	1849	793	6
FKM 13500D	13500	477	334	143	3566	2496	1070	6
FKM 15000D	15000	530	371	159	3963	2774	1189	6
FKM 20000D	20000	706	494	212	5284	3699	1585	6
FKM 25000D	25000	883	618	265	6604	4623	1981	8
FKM 30000D	30000	1060	742	318	7925	5548	2378	8

Working capacity depends on the process and is normally between 30–70% of the total capacity

Information contained in the above table is for informational purposes only. All sizing must be evaluated and confirmed by B&P Littleford.

Range of Plow/Chopper Designs

