

Paint & Varnish Processing

Micro-Batch Feeders MBF

33



Description ▼

The MBF Micro-Batch Feeder consists of a casing entirely manufactured from stainless steel or a steel-reinforced SINT® engineering polymer body, a horizontally mounted rotating agitator tool, a feeder screw beneath the agitator tool, a feeder pipe enclosing the protruding feeder screw, as well as one drive unit each for agitator and feeder screw.

Function ▼

MBF Micro-Batch Feeders are particularly suitable for poorly flowing materials which tend to clog, as well as for adhesive products.

Fed through a bag opening hopper, a bulk bag discharger, or another feeding device, the agitator tool manages to keep the material flowing, reducing at the same time the possibility of formation of lumps or bridges.

Poorly flowing materials with cohesion or bridging problems are homogeneously fed into the feeding zone by the blending or agitator shaft which is shaped according to the product properties.



Application ▼

MBF, which come in various configurations, are suitable for feeding of granules or powders.

The flexible design enables feeding of a variety of additives used in Dry-Mix processing.

Typical positions within the plant are on weighing scales for loss-in-weight installations next to the mixer. Furthermore, they are fitted inside dosing stations on top of weighing scales upstream of the mixer.

Benefits ▼

- ✓ Easy integration into the plant;
- ✓ Feeding of different additives with the same unit thanks to component interchangeability;
- ✓ Small number of parts makes maintenance easy and quick;
- ✓ Independent drives for agitator and feeder tool leave all options open in terms of drive power and tool speed;
- ✓ Process reliability due to back-up by WAMGROUP® test labs ;
- ✓ High degree of homogeneity of fed material thanks to blending/agitating tool;
- ✓ Easy and quick internal cleaning thanks to quick-access inspection panel.

Paint & Varnish Processing

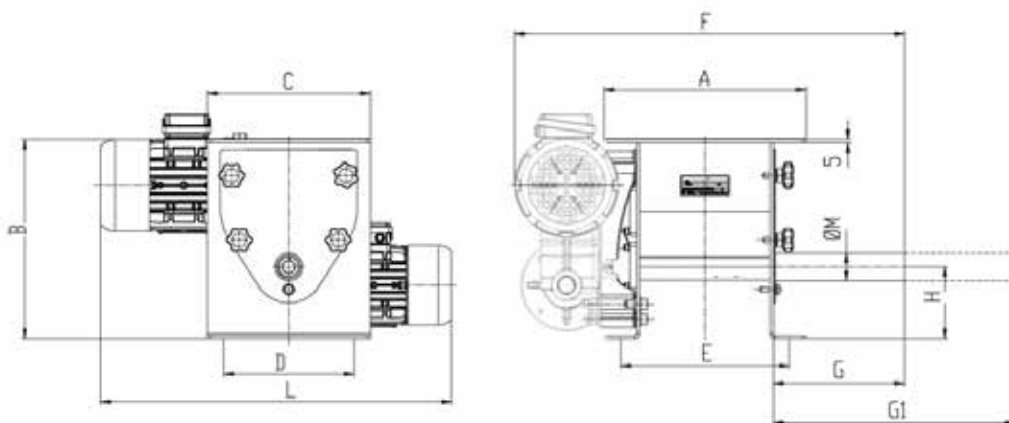
Micro-Batch Feeders MBF



Technical Features / Performance ▼

- ▶ Wide range of interchangeable machine components
- ▶ Compact design, small footprint
- ▶ 3 sizes available with feed rates ranging from 3 dm³/h to 4,000 dm³/h
- ▶ Agitator and feeder tool with independent drives
- ▶ Internal geometry ensures smooth feeding of particularly difficult materials
- ▶ No material residue
- ▶ Quick-access inspection panel available for stainless steel feeders
- ▶ Contact surfaces in SINT[®] engineering polymer or 304 SS (316 optional)
- ▶ Different types of 304 SS shaft seals

Overall Dimensions ▼



MBF	A	B	C	D	E	F	G	G1	H	L	M	N	dm ³	kg
042	310	295	250	200	260	595	200	370	100	535	42	12.5	5	40
073	464	486	390	305	410	855	250	500	135	600	76	12.5	28	105
114	464	486	390	305	410	855	250	500	135	600	114	12.5	35	110

Dimensions in mm