

GRAVIMIX®

FGB • FLECS

- Max. Capacity:
approximately 300 kg / h*
- Number of components:
2, 3 or 4
- Various control options
- Compact and robust



Gravimetric dosing

The dosing-mixing system GRAVIMIX FGB FLECS is designed for the efficient and precise dosing of dry and free flowing thermoplastic materials. The FGB FLECS is ideally suited for injection molding machines, extruders and blow molding machines, where a consistently high quality of your end product is sought.

With the revolutionary Easy Clean System, it is the bench mark for the industry. The FLECS is an improved version of our 1,5, already a revolution at its introduction. FLECS, Ferlin Large Easy Clean System.

Easy Clean Systems means it is no longer necessary to take of the loaders in order to take of the dosing hoppers. All without the need of tools, just like with the mixing chamber and weigh bin. The mixing chamber can be taken out, even when it is full with material, without spilling it.

Because of the constant dosing accuracy, the percentage of additives to minimize, without compromising the quality of the finished product. The resulting savings result in an immediate reduction in production.

The FGB FLECS is suited for dosing of virgins (granulate), free flowing regrind, masterbatch and/or additives. This compact and space-saving blending system can be installed directly on the throat of a processing machine. Due to simple removable parts a quick cleaning and material change is guaranteed.

All components are dosed after each other into the weigh bin, which is supported by an accurate weigh system. After weigh out, the complete batch is discharged into the mixing chamber and the horizontal mixer provides a homogeneous mixture. A Level sensor outside the mixing chamber controls the complete blending cycle. The FGB FLECS is an economical and user friendly blending system.

Ferlin

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Accuracy is our policy

Technical Specification

Accuracy

The system will weigh to an accuracy of 1/100 of a gram. On the user-interface, the display will show the weight of each components in 1/10 of a gram.
(See separate documentation for service options.)

Implementation

The FGB FLECS is designed as standard for dosing four components. The units are entirely in stainless steel. The removable hoppers are equipped with newly designed vertical dosing valves. The unique mixing chamber with integrated mixer and closing slide valve is fully removable. The newly designed mixing chamber is easy to clean.

Depending on the production, the FGB FLECS comes with an economical, micro-processor-based, plug-in touchscreen control or an advanced industrial PC with touch screen operation. As an additional alert of low-level, sensors can be provided (option). These units can be supplied with hopper loaders, vacuum pump with filter and control.

Technical Data

Batch Weight	kg	1.5
Number of components	max	4.
Capacity for 4 components	kg / h	300 *
Content material hoppers	liter	11
Content mixing chamber	liter	7
Voltage	V / Hz	240, 50/60
Power consumption	kW	0.15
Compressed air	Bar	6
Compressed air consumption about	NI / h	60
Size L x W x H	mm	600 x 700 x 805
Weight approx	kg	60

*The capacity depends on the number of components, material characteristics, bulk density and percentages.

Construction Changes by continuous innovation reserved.