

GRAVIMIX®

FGB • 5

- Max. throughput:
355 - 945 kg/h*
- Components:
2 up to 6
- Different control
systems
- Compact and solid
- 'Auto-Pulse' system

GRAVIMIX, more than 50 models available!



Gravimetric blending

The GRAVIMIX dosing-blending system FGB-5, is designed for efficient and accurate dosing/ blending of dry, free-flowing thermoplastic materials. The FGB-5 is often used on injection, extrusion and blow-molding machines where consistency and high quality of the finished product is required.

GRAVIMIX records the exact consumption of all materials, allowing for a precise calculation of the production costs. Due to the high and consistent dosing accuracy, the additive percentage can be reduced to lower tolerance limits without rejects or a loss in quality.

The FGB-5 is suited for dosing of virgins (granulate), free flowing regrind, masterbatch and/or additives. This blending system can be installed directly on the processing machine, on a platform or next to the processing machine. Due to simple removable parts a quick cleaning and material change is guaranteed.

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 consistent blend. A level sensor in the mixing chamber controls the complete blending cycle. The FGB-5 is an economic and user friendly blending system.

Ferlin

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the right balance in efficiency

Technical specification

Accuracy

The system will weigh to an accuracy of 1/100 of a gram. Dependent on the interface, the display will show the weight of each component in 1 gram or 1/10 of a gram. (for user-interfaces see separate documentation)

Configuration

Due to the modular construction, the FGB-5 series can be supplied in nine different configurations, maximum 4 hoppers with slide valves and in addition 2 hoppers with patented tube feeders.

Parts, which are in contact with the raw materials, are made of stainless steel.

Dependent on the process, the FGB-5 can be delivered with an economic plug-in interface (microprocessor controlled) or a sophisticated industrial PC with touch-screen. All material hoppers can be equipped with low-level sensors for an additional warning (option).

If necessary the system can be supplied complete with hopper loaders.



Installation example

- directly on the throat of a processing machine
- on a stand with vacuum take-off bin next to the processing machine
- with or without a stand and outlet-funnel on a platform
- if the system is not installed directly on a processing machine, an extra material control valve underneath the mixing chamber is recommended

Technical data



Batchweight	kg	5
Number of components		2 up to 6
Throughput	kg/h	945 - 355*
Contents material hoppers	liter	35 (85) (slide valve)
Contents material hopper	liter	11 (tube feeder)
Power supply	V/Hz	400, 50/60 (3P+N+PE)
Power consumption	kW	0.45 max.
Compressed air supply	Bar	6
Compressed air consumption	NI/h	250
Dimension W x L x H	mm	950 x 950 x 1265**
Weight app.	kg	80**
Dimension stand/box	mm	780 x 850 x 610
Contents of take-off box	liter	± 55

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

** The dimension and weight depends on the configuration of the blender.

Subject to alteration without notice to ensure continuous improvement of design.