DGB Series

EN

EASY WAY 4.0

Gravimetric feeders

In many manufacturing processes of plastic materials, gravimetric blenders play a pivotal role: they weigh and adjust the exact percentage of each component flowing into the process.

There are 3 base models in different configurations from 2 to 6 components.
The operating cycle is completely automatic. The microprocessor control unit with a touch screen allows the operator to easily set the percentages of materials.
This gravimetric blenders are easy to use and they can be installed to the floor or on a processing machine.
Special pneumatic slide gates ensure a minimum dosing amounting to 0.5%.
Each material is weighed inside the hopper. Once the set weight is reached, the batch flows into the mixer where all the materials are mixed altogether.

TECHNICAL SPECIFICATIONS:
- Two models covering throughputs from 20 to 720 kg/h in different configurations ensuring up to 4 different materials.
- Microprocessor control unit.
- Setup operations and reports can be downloaded onto USB devices.
- Mixer equipped with load cells and a capacity of 4 batches.
- When shocks or vibrations occur, load irregularities are detected and ignored.
- Pneumatic slide gate under the mixer.
- Stainless-steel hoppers with fast-opening slide gates (except for DGB140).
- The load cells of the mixer are able to detect the material level or the throughput of the machine.

ACCESSORIES:
- Colour touch screen operator interface.
- ModBus interface.
- Fixing base.
- Floor-supporting base.
- Capacitive sensors for level control.

ADDED VALUE:
- Costantly monitored precision.
- Automatic adjustment in case of variations in material density.
- Automatic re-adjustment.
- Direct settings of material percentages.
- Precise and reliable control ensuring a high precision of 0.1%
- Mixers that ensure an accurate mixing action.

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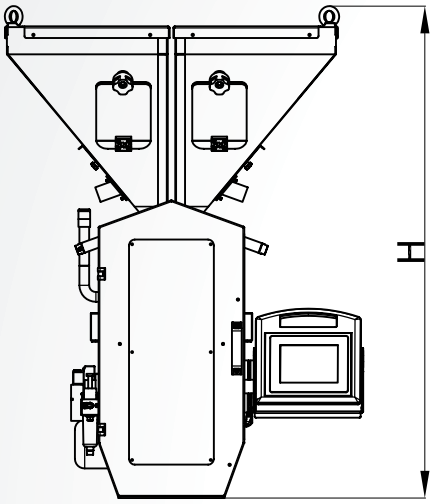
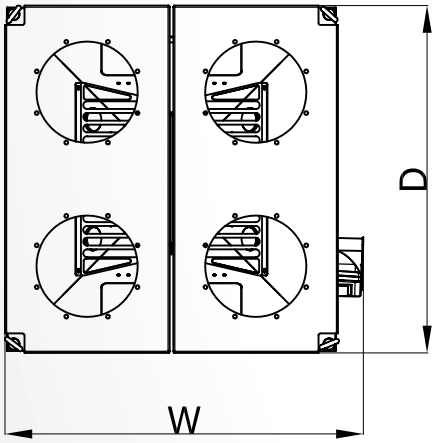
PLASTIC SYSTEMS ADVANCED PLASTIC SOLUTIONS

Gravimetric feeders



Detail of the mixer



Detail of a station

TECHNICAL DATA		DGB140	DGB240	DGB260	DGB540	DGB560
Maximum throughput	kg/h	200	450	400	720	600
Components	n°	2-4	2-4	2-6	2-4	2-6
Dosing range	%	0.5-100				
Batch	kg	1	2.5	2.5	5	5
Installed power	kW	0.25	0.25	0.25	0.25	0.25
Voltage/Frequency	V/Hz	400/50-60				
Dimensions* WxDxH	mm	830x800x1025	925x895x1205	1000x1100x1300	925x895x1300	1000x1000x1400
Weight	kg	95	125	140	130	145

* with the operator panel in front position.
The height can change according to the position and type of eyebolts installed.

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