

GRAVIMETRIC BLENDER Specification



HGB-2-4

- HGB series Gravimetric Blenders is suitable to mix variety of raw materials by weight ratio of precision mixing use for injection molding, extrusion or hollow molding process
- Modular detachable structural design, easy to clean
- After each weighing automatically repeat calibration function will automatically correct, adjust, to ensure the best batching accuracy
- Can process up to six different material at the same time and manage to store up to 20 sets of recipes
- Equipped with alarm history function
- USB data export function is ready as an optional, where you can record the ratio of data stored for the production of quality management

Gravimetric Blenders Specifications

Type	Unit	HGB-1				HGB-2			
		-4	-3	-2	-6	-5	-4	-3	-2
Component Number		4	3	2	6	5	4	3	2
Max. Output	Kg/Hr	50	60	130	100	120	160	180	360
Knife metering valve	Set	4	3	2	4	4	4	3	2
Trace metering valve	Set	-	-	-	2	1	0	0	0
Max. Throughput	Kg		1			2			
Mixing motor power	W		90			90			
Storage hopper	L		12			40			
Weighing bucket capacity	L		2			8			
Mixing warehouse capacity	L		8			18			
The biggest batch quantity	Hr	50	60	130	50	60	80	90	180
External Dimensions	mm	1150×800×650			1650×900×1300	1650×900×1050		1650×900×820	

Type	Unit	HGB-5					HGB-10					HGB-25				
		-6	-5	-4	-3	-2	-6	-5	-4	-3	-2	-6	-5	-4	-3	-2
Component Number		6	5	4	3	2	6	5	4	3	2	6	5	4	3	2
Max. Output	Kg/Hr	250	300	400	450	900	670	700	900	1000	1800	1500	1750	2000	2500	4000
Knife metering valve	Set	4	4	4	3	2	6	5	4	3	2	6	5	4	3	2
Trace metering valve	Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max. Throughput	Kg		5					10					25			
Mixing motor power	W		200					370					750			
Storage hopper	L		48					100					150			
Weighing bucket capacity	L		12					32					65			
Mixing warehouse capacity	L		25					60					120			
The biggest batch quantity	Hr	50	60	80	90	180	60	70	90	100	180	60	70	80	100	160
External Dimensions	mm	1850×1000×1500		1850×1000×1250		1850×1000×1000		2400×1200×1200				3000×1600×1600				

*Note:

[Mounting Frame, Pneumatic Discharge Valve, Storage Bin and Suction Box](#) are available as option for ground installation.

The **knife metering valve** is suitable for the proportion of 5% and above and the mixing ratio error can be controlled in $\pm 0.3-0.5\%$. **Screw or micro-meter** is suitable for 5% to 0.5% ratio, mixing ratio error can be controlled in $\pm 0.2\%$.

The max. throughput and the mixing error data are based on the continuous density of 0.8kg/L with diameter of 3-4 mm.

Ensure that the valve pressure is 6 kgf/cm². The standard voltage for HGB-5 and below are 1Phase, 220V, 50Hz; HGB-10 and above are 3Phase, 380V, 50Hz. **We reserve the right to change specifications without prior notice. If you need to**

increase the output requirements please let us know!