

Ribbon Blender



Ribbon Blender Working Operation

The Ribbon Blender is an efficient and versatile blending machine for mixing of dry granules & powders homogeneously. Approximate two third of the volume of the container of Ribbon Blender is filled to ensure proper mixing. The Ribbon Blender gives best result for mixing of dry powder & granules due to the design and shape of the mixing ribbon and product container. It can be used for Pharmaceutical, Food, Chemical and Cosmetic products etc.

Material should be charge from the top side. There are port/ports should be provided on the top cover to charge the material as well as for air vent. One discharge valve provided at the bottom side at center of the container. The discharge height could be adjust as per the requirement, so that material gets discharge in the other container directly, so that material handling time for discharge is nil and the operation is dust free

In Ribbon Blender the powder moves from center to the end of container and end of container to the center of container. Hence requirement of total mixing time is very less and the RPM required are also very less. The dry material gets sufficient continuous movement due to the shape & movement of ribbon & shape of the container. Which moves material for good quality of blending? The unit is consist of one electrical motor, one worm reduction gear, belt drive between motor and gear, couple drive between gear to (ribbon) mixing stirrer. Container having four nos. of legs with discharge valve & top cover. Both end of mixing shaft is sealed with bush & PTFE gland housing & safety guards are provided on all moving parts.

Salient Features

- The shape of container and mixing stirrer gives sufficient continuous movement to the powder / granules, result in good quality
- All contact parts are made out of SS304/SS316 quality material.
- Maximum care has been taken to ensure safe operation of the unit.
- Inching facility for stirrer for discharge of material.
- Full cover on top side of the container.
- Discharge height as per client requirement.
- Operating panel provided for safe operation of blender.
- Centrally located material Discharge valve.
- Dust proof top cover with window provided.
- General structure completely made out of mild steel & painted in Standard Model & the same is cladded with SS304 in GMP model.
- Safety Guards & Covers made out of SS304 in GMP Model & made out of mild steel in Standard Model.
- Legs made out of M.S & painted in Standard Model & same will be cladded with SS304 in GMP Model.
- Automatic control Panel provided with the machine.

Model	Gros Volume Ltrs	Working Volume Ltrs	Out Put Speed	MotorH.P.	Discharge Valve	Overall Dimensions		
						Width mm	Depth mm	Height mm
RIB 100s	290	200	3	60	4"	2000	700	1300
RIB 250	320	500	7.5	55	6"	2500	750	1400
RIB 500	1300	1000	10	45	8"	450	450	450
RIB 750	1900	1500	15	35	10"	3500	1000	1600
RIB 1000	2500	2000	20	35	12"	3600	1200	1700
RIB 2000	4800	4000	2	25	12"	4200	1400	2600
RIB 3000	700	6000	40	20	12"	4800	1500	2700

Applications

Adhesives

Animal feed

Antibiotics

Asphalt emulsion

Bakery mixs

Ceramics

Cereal

Cocoa

Cosmetics

Dry wall joint compound

Fire extinguisher
compound

Flavorings

Flour

Herbicides

Insecticides

Instant drink mix

Iron oxide

Minerals

Milk powder

Natural gums