

DATA SHEET

FACET Ribbon Blender Model FMRB



Ribbon blenders are a common mixing tool used extensively across many industries for blending dry powders, granules, pellets and flakes.

FACET Ribbon Blenders consist of a U-shaped horizontal trough fitted with a horizontal longitudinal shaft on which arms are mounted, supporting a combination of ribbon blades set at a fairly close clearance to the trough so that all product is evenly mixed.

The most effective configuration of a ribbon blender is using a double spiral. As the outer ribbon moves the product in one direction and the inner ribbon moves it in the opposite direction, this creates axial flow, which prevents product build-up and extends mixing times.

The capacity of the ribbon blender should not be exceeded, or this would render the mixer and/or blades ineffective and result in the product not being adequately mixed.

Ribbon blenders can be used to mix a wide variety of dry powdered products. These include spices, powdered mixes, cosmetic powders, chemical additives, fertilizers and ceramic powders, just to name a few.

A ribbon blender can also be used to coat products with very fine powders or liquids. Ribbon blenders are effective in mixing products of a similar in size, shape and density.

When considering the model/size of a ribbon blender, the bulk density of the product being mixed must be taken into consideration. Contact our design office directly for further assistance in selecting the correct ribbon blender best suited for your mixing and blending requirements.

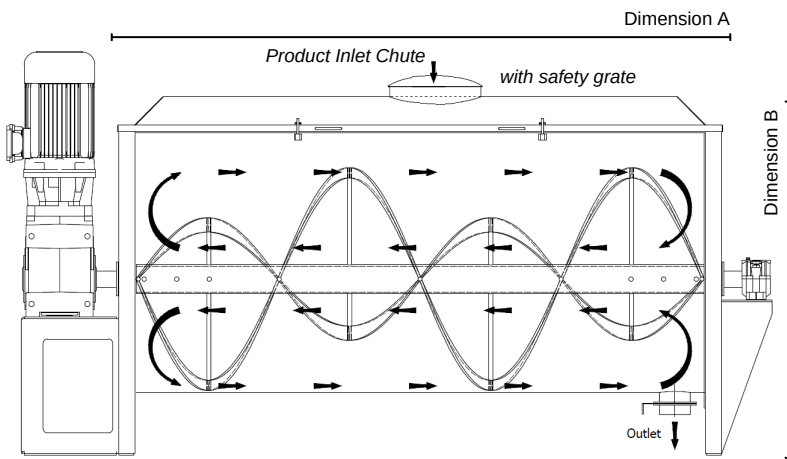
Features include:

- Manufactured in 304 stainless steel
- All internal welds ground smooth and polished
- External welds are acid de-scaled
- Direct shaft-mounted gearbox
- Hinged stainless steel cover
- Central ingredients access lid with safety grid
- Heavy duty outboard bearings
- PTFE shaft seals (food grade)



(Approximate dimensions)

Model	Capacity	A	B
FMRB-125	125 litre	850mm	700mm
FMRB-250	250 litre	1200mm	875mm
FMRB-500	500 litre	1600mm	1150mm
FMRB-1000	1000 litre	2150mm	1250mm
FMRB-1500	1500 litre	2200mm	1450mm
FMRB-2000	2000 litre	2570mm	1750mm
FMRB-2500	2500 litre	2600mm	1750mm
FMRB-3000	3000 litre	3000mm	1750mm



Ribbon Blender typical product cycle

