

RIBBON BLENDER



BLENDING ACTION

Ribbon Blender Comprises of a U-shaped horizontal trough and a specially designed Double Helical Ribbon Agitator rotating within. The Ribbon Agitator consists of a set of inner and outer helical Ribbons. Generally, the outer ribbon flights displace the material from the end of the center while the inner flights move the material from the center to the ends. This counter-current action results in homogenous blending. The ribbons rotate at approximately 70-100 meters per minute and move the material both radially and laterally to ensure thorough blends short cycle times. Ribbon Blenders are used for blends that are between 50 % and 100 % of the rated capacity. An alternate design is the paddle agitator. The paddles are positioned to move the material in opposing lateral direction as well as radially. The paddle design is generally employed where friable material are being blended, and when batches as small as 15 % of the total capacity are going to be mixed in the blender.

APPLICATIONS

Abrasives	Animal feeds	Bakery premixes	Bird seeds
Cake mixes	Carbon black	Chemicals	Cleaning compounds
Dietary supplements	Dried food products	Dry flavors	Engineered plastic resins
Epoxy resins	Eye shadow	Face powders	Fertilizer
Fire retardants	Gypsum	Instant breakfast cereals	Instant drink blends
Laundry detergents	Metal cleaning compounds	Pesticides and herbicides	Pet foods
Pharmaceuticals	Pigments	Plastic powders	Polyethylene
PVC compounding	Spice blends	Talcum powders	



YagnmTM Industries Pvt. Ltd.

An ISO 9001 : 2015 Certified Company

R-354, Thane - Belapur Rd, behind TJSB Bank, MIDC Industrial Area, Rabale, Navi Mumbai - 400701

🌐 www.yagnm.com

✉ sales@yagnm.com

☎ +91-9321613139

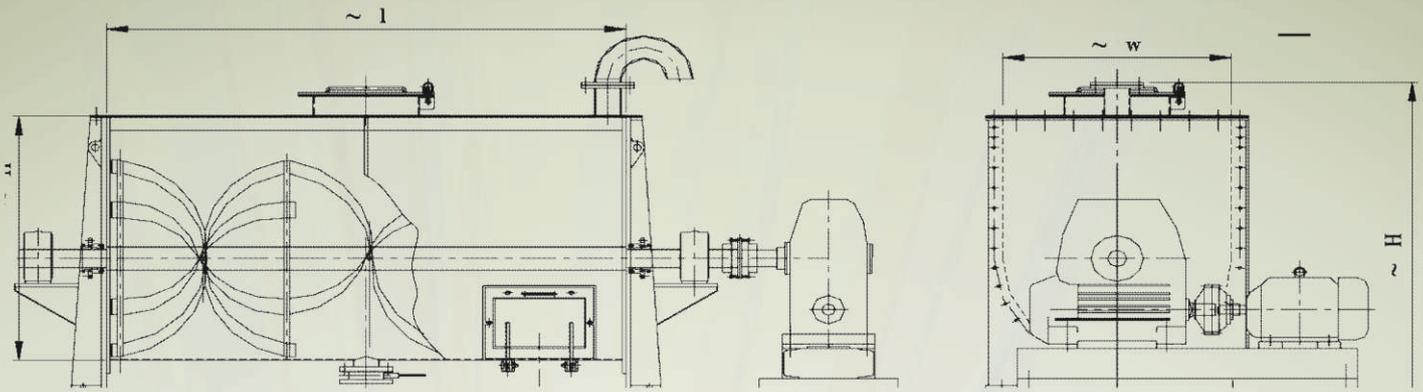
☎ +91-8108416777

🌐 www.yagnm.net

✉ Info@yagnm.com

☎ +91-9821613139

☎ +91-8369634935



STANDARD FEATURES

- Available in working capacity of 5 liters-25,000 liters
- Available in all grades of stainless steel, carbon steel and special alloy steels
- Ribbon agitator for center discharge
- Designed for atmospheric operation
- Top cover depending on the length of the blender
- Centrally located Flush bottom discharge valve
- Stuffing boxes with easily disassembled housings. Pure Teflon gland packing provided
- Stainless steel surfaces are polished to desired standards. All exterior non-stainless steel surfaces are painted with enamel paint
- Squirrel Cage, Three Phase Induction Motors suitable for 415 Volts, 50 Hz
- Worm Reduction Gearbox
- Single Speed Drive
- Blender is mounted on supports providing adequate discharge clearance

CUSTOMIZABLE FEATURES

- Wear resistant liner plates for abrasive products
- Good Manufacturing Practice (GMP) models
- Vacuum and pressure construction
- Jacket for heating, cooling
- Manually or pneumatically operated Butterfly Valve, Slide Gate Valve, Diaphragm Valve, etc. for discharge
- Explosion-proof motors, Variable Speed Drives along with Electrical Control Panel
- Ribbon agitator for multiple discharge positions
- Spraying system for liquid injection
- Cover openings, Nozzles as required
- Inspection, Cleaning windows on the container, covers
- Split design stuffing boxes, Air-purging stuffing boxes, Mechanical Seals
- Lump breakers for solids or agglomerates size reduction

Model No.	Capacity (Liter)		Motor Rating (HP)		Container Dimensions (MM)		
	Total	Working	Light	Medium	Length (L)	Width (W)	Height (H)
RB-5	6.5	5	-	0.5	300	150	180
RB-10	15	12	-	0.5	400	200	235
RB-25	30	25	-	1	500	250	300
RB-50	85	65	-	1	700	350	405
RB-75	100	80	1	2	750	375	445
RB-100	130	100	1	2	800	400	480
RB-200	260	190	2	3	1000	500	600
RB-300	450	340	3	5	1200	600	710
RB-400	580	430	5	7.5	1300	650	770
RB-500	730	530	5	7.5	1400	700	830
RB-750	1100	800	7.5	10	1600	800	950
RB-1000	1500	1145	10	12.5	1800	900	1060
RB-1250	1800	1340	12.5	15	1900	950	1130
RB-1500	2080	1570	15	20	2000	1000	1190
RB-2000	2790	2090	20	25	2200	1100	1310
RB-3000	4090	3060	30	40	2500	1250	1490
RB-5000	7050	5300	40	50	3000	1500	1780
RB-7500	10100	7700	50	60	3400	1700	2025
RB-10000	14000	10750	60	75	3800	1900	2250