



PharmaChem Cosmetics Industries

WE MANUFACTURERS MACHINERY & EQUIPMENTS FOR PHARMACEUTICAL, BIO PHARMA, BULK DRUG, FORMULATION, API, AYURVEDIC, HERBAL, FOOD, COSMETIC, CHEMICAL & BEVERAGES INDUSTRIES.

9 B / 14, RAM NAGAR, PREMSAMBANDH CHS, NEAR ASHOK NAGAR ROAD, BHANDUP - EAST, MUMBAI 400 042

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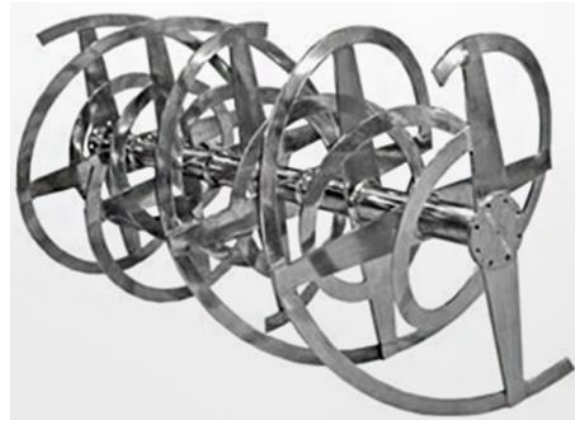
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RIBBONBLENDER MIXER



Ribbon Blender comprises of a U-shaped horizontal trough and a specially designed Double Helical Ribbon Agitator rotating within. Ribbon Blenders are based on a proven agitator construction that provides a triple mixing action ensuring fast, efficient blending. The dimensions and configuration of the ribbons are carefully balanced to provide a movement of material within the container that avoids dead spots and gives rapid product discharge.

An alternate design is the paddle agitator. The paddles are positioned to move the material in opposing lateral directions as well as radially. The paddle design is generally employed where friable materials are being blended, and when batches as small as 15% of the total capacity are going to be mixed in the blender.

- Complete process of mixing and blending in one unit
- Working capacity from 50L to 25000L
- Suitable for mixing solids with solids and solids with liquids
- Shorter batch time due to contra mixing ribbons
- All contact parts are made of SS304/316L and mirror polished
- Flush plug valve from discharging finished product without dead zone
- The specifications of ribbon mixer comply with cGMP regulations
- It achieves consistent and high shear mixing
- Manufactured with high quality and durable materials
- Versatile design which can be used in a wide range of materials
- Able to achieve triple mixing action
- Clean and hygienic operating process



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Ribbon blender with Screw conveyor, ribbon blender with bin, Ribbon blender with sifter, ribbon blender with product transfer input and output, liquid spray systems, working platform with variable speed drive or PLC base operation we offer as per customer product and process Horizontal ribbon mixers range from 50-25000L or more capacity as per requested by customer.

Ribbon Blenders designs are ideal for mixing dry free-flowing solids Ribbon blender are used for all dry foods products, nutraceuticals, protein powder mixes, dry juice mixes, chemicals, fertilizer, insecticides, colorants, resins and polymers. The moderate shear of the ribbon or paddle naturally breaks down lumps and agglomerates.

Ribbon blenders are extremely efficient and economical. The double ribbon mixer design moves solids in two directions simultaneously and also rotationally to provide the mixing action. The inner ribbon mixer moves the solids toward the ends of the trough and the outer ribbons move solids toward the middle of the trough. When discharging the solids, the outer ribbons move the solids toward the center discharge valve.

STANDARD DESIGN FEATURES :

- **Material** : Contact part 316 and Non contact part 304 Stainless Steel
- **Interior Surfaces** : Polished 180 Grit
- **Exterior Surfaces** : Glass Bead Blasted
- **Discharge** : Swing away flush valve with pneumatic actuation
- **Working Capacities** : 75 to 20000 Liters Capacity
- **Drive** : Hollow Bore SEW Eurodrive
- **Controls** : Soft Start or VFD
- **Loading** : Loading Cover(s) with Welded Grate
- **Safety** : Magnetic Safety Switch(s) on Main Cover

OPTIONAL FEATURES :

- Options Features
- Slide-gate discharge valve with pneumatic actuator



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- Liquid Addition Spray Bar and nozzles
- CIP-Clean-In-Place Spray Nozzles
- Purged Seals
- Modified covers with custom designed ports
- Product temperature sensor
- Vacuum compatible design
- Explosion-proof motors
- Higher HP drives
- Shaft-mounted or hollow-bore gear reducers
- Soft-start or variable frequency drives

TECHNICAL SPECIFICATIONS :

Model	Working Capacity			Ribbon RPM	Motor HP	Body Dimensions			Overall Dimension		
	Total Volume (Ltr)	Working Volume (Ltr)	Batch Capacity (Kgs)			L mm	W mm	H mm	L mm	W mm	H mm
PCI-RB-75	75	50	25	40	1	750	275	400	1750	950	1700
PCI-RB-100	150	100	50	40	1.5	850	400	500	1900	1175	1850
PCI-RB-200	300	200	100	40	3	1250	450	600	2500	1300	1950
PCI-RB-300	450	300	150	40	5	1500	500	650	2800	1400	2050
PCI-RB-400	600	400	200	40	7.5	1700	550	700	3100	1450	2100



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Model	Working Capacity			Ribbon	Motor	Body Dimensions			Overall Dimension		
PCI-RB-500	800	500	250	40	7.5	1800	600	800	3400	1525	2100
PCI-RB-750	1100	750	325	30	10	1900	650	900	3550	1550	2200
PCI-RB-1000	1500	1000	500	30	12.5	1900	750	1050	3670	1650	2280
PCI-RB-1250	1900	1250	625	30	15	2100	850	1100	3850	1825	2450
PCI-RB-1500	2250	1500	1250	30	20	2250	900	1200	4000	1950	2500
PCI-RB-2000	3000	2000	1000	30	25	2500	1000	1350	4300	2050	2600
PCI-RB-3000	4500	3000	1500	30	40	2700	1100	1500	4780	2150	2800
PCI-RB-5000	7500	5000	2500	30	50	3500	1250	1700	6300	1900	3000
PCI-RB-7500	11000	7500	3750	30	60	3800	1600	2100	6350	2000	3500
PCI-RB-10000	15000	10000	5000	30	75	4000	1850	2250	6500	2150	3650