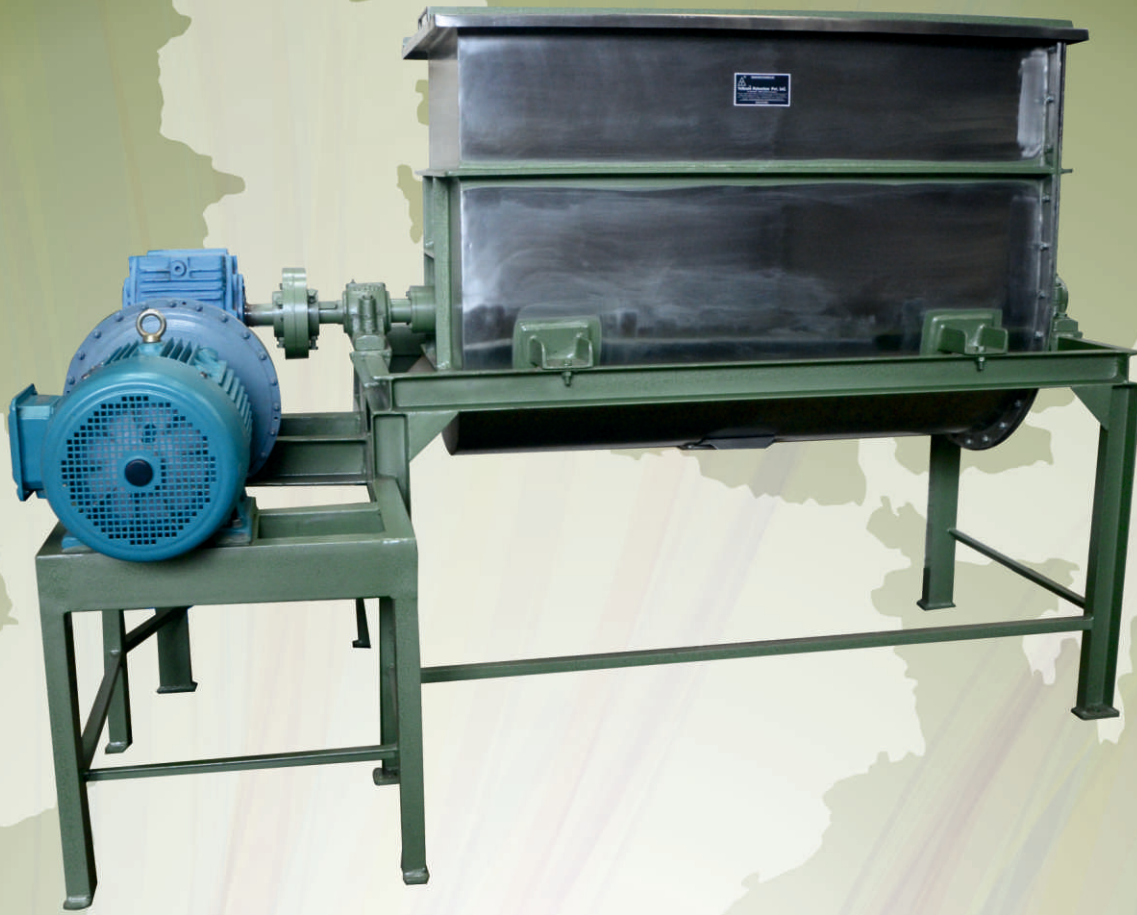


RIBBON BLENDER



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

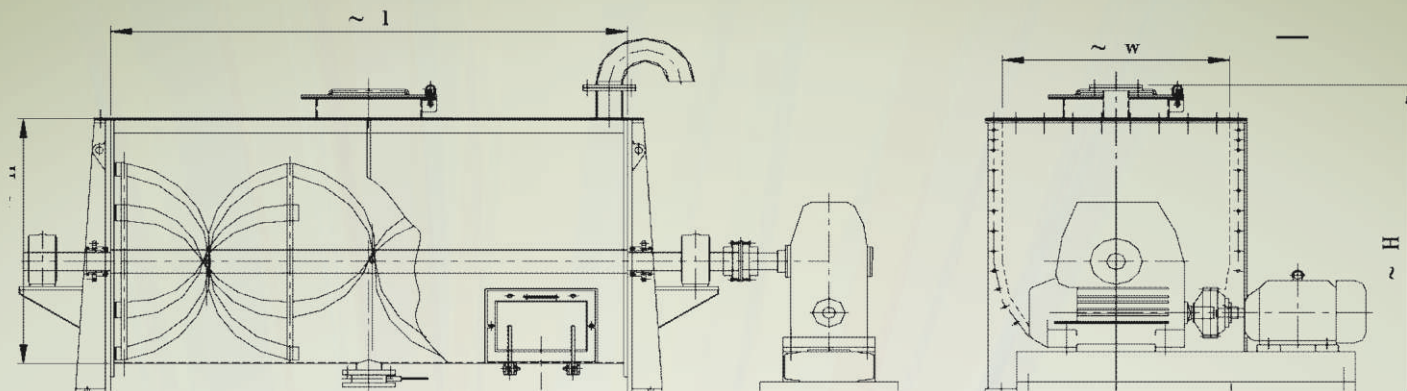
☎ +91-8108416777

🌐 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 |