

# TOTAL **M**IXING SOLUTION



Ribbon Blenders



Dual Shaft Paddle Blenders



Conical Blenders

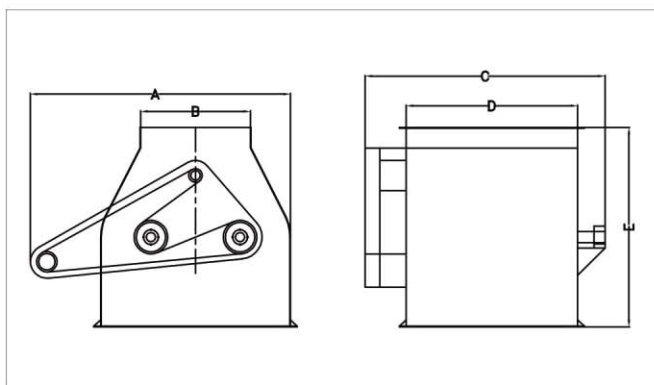


# DUAL SHAFT PADDLE BLENDERS



## Features

- ★ W shape horizontal mixing chamber with dual shaft and multi paddles.
- ★ Dual outlet doors are specially designed for maximum clean out
- ★ Pneumatic door opening system.
- ★ Liquid spraying system at the top for blending of liquids.
- ★ Diversified applications like animal feed, Food, Spices, Pharmachemicals, Fertilizer industry etc.
- ★ CV (coefficient of variation) -  $\leq 3$  depending upon the material being mixed.
- ★ MOC in various grades like SS-304, SS-316, SS316L and MS.
- ★ Sturdy and robust construction.
- ★ Soft and gentle mixing without increase in temperature.



### Mixer Range

| Model     | Batch Capacity In Ltrs. | Power in H.P. | A    | B    | C    | D    | E    |
|-----------|-------------------------|---------------|------|------|------|------|------|
| DSPM-150  | 150                     | 5             | 1500 | 700  | 1000 | 600  | 950  |
| DSPM-250  | 250                     | 7.5           | 1600 | 700  | 1200 | 750  | 1100 |
| DSPM-500  | 500                     | 10            | 2000 | 750  | 1450 | 850  | 1200 |
| DSPM-750  | 750                     | 15            | 2250 | 750  | 1600 | 1000 | 1650 |
| DSPM-1000 | 1000                    | 20            | 2200 | 800  | 1850 | 1250 | 1660 |
| DSPM-1250 | 1250                    | 25            | 2250 | 800  | 2100 | 1500 | 1700 |
| DSPM-1500 | 1500                    | 30            | 2350 | 800  | 2100 | 1500 | 1750 |
| DSPM-2000 | 2000                    | 40            | 2550 | 1000 | 2350 | 1750 | 1900 |
| DSPM-2500 | 2500                    | 50            | 2700 | 1000 | 2400 | 1800 | 1950 |
| DSPM-3000 | 3000                    | 50            | 2850 | 1150 | 2450 | 1850 | 2050 |
| DSPM-3500 | 3500                    | 60            | 3000 | 1150 | 2500 | 1900 | 1850 |

### Note :-

- ★ Please note that power mentioned is for dry mixing and can be varied depending upon densities of the material and speed of the mixer.
- ★ Blending time is minimum 30 seconds to 3 minutes depending upon the required CV and characteristics of material being mixed.



# RIBBON BLENDERS

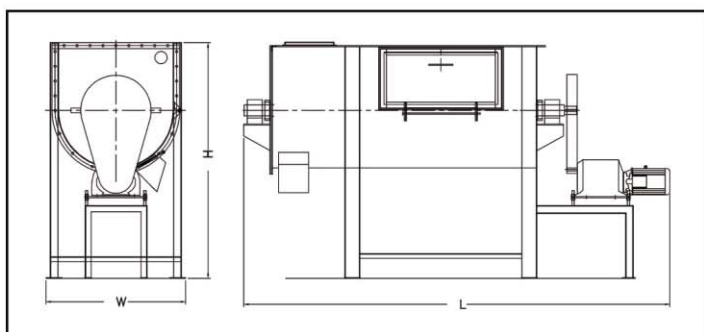


## Features

- ★ Ribbon Blender is very fast and 100% efficient mixer to blend practically any dry powders, from food products to chemicals. Even liquids in small amount can also be mixed in very efficient way.
- ★ Ribbon Blenders consist of U shaped horizontal trough and specially fabricated ribbon agitator.
- ★ Ribbon agitator consists of a set of inner and outer blades. The outer blades move the material in one direction while inner blades move the material in exactly opposite direction.
- ★ The ribbon blender is carefully designed to ensure thorough mixing with required CV (Coefficient of variation). Temperature rise is also minimum which is important when we consider vitamin mixing.



- ★ Discharger gate can be manual or pneumatically operated for direct filling in bags or dumping in to storage bin.
- ★ **Blenders** can be constructed in Mild Steel (MS) or Stainless Steel (SS) depending upon the material to be blended.
- ★ The **blender** operates between 20 and 40 rpm.
- ★ Fluid coupling can also be used as a optional. They are useful to start the mixer on load in case of sudden electric failures.
- ★ Automatic oil spraying arrangement can be done..
- ★ Dumping window at the top for addition of medicines and minerals.



## Mixer Range

| Sr.No. | Model | WORKING CAPACITY IN Ltr | CAPACITY IN Kg. FOR POULTRY FEED (CONSIDERED 0.6 gm/cc) | HP       | DIMENSIONS |        |        |
|--------|-------|-------------------------|---|----------|------------|--------|--------|
|        |       |                         |   |          | L          | x W    | x H    |
| 1      | KARB  | 250                     | 150 Kg.   | 2-5      | 1557       | x 915  | x 1672 |
| 2      | KARB  | 500                     | 300 Kg.   | 3-7.5    | 2100       | x 1065 | x 1780 |
| 3      | KARB  | 750                     | 450 Kg.   | 3-7.5    | 2325       | x 1166 | x 1910 |
| 4      | KARB  | 875                     | 500 Kg.   | 5-10     | 2575       | x 1166 | x 1910 |
| 5      | KARB  | 1000                    | 600 Kg.   | 7.5-12.5 | 2830       | x 1166 | x 1910 |
| 6      | KARB  | 1250                    | 750 Kg.   | 7.5-12.5 | 3350       | x 1190 | x 1910 |
| 7      | KARB  | 1500                    | 900 Kg.   | 10-15    | 3540       | x 1265 | x 1960 |
| 8      | KARB  | 1750                    | 1000 Kg.  | 10.15    | 3780       | x 1320 | x 1960 |
| 9      | KARB  | 2000                    | 1200 Kg.  | 12.5-20  | 3935       | x 1360 | x 2065 |
| 10     | KARB  | 2500                    | 1500 Kg.  | 15-25    | 3940       | x 1480 | x 2280 |
| 11     | KARB  | 3000                    | 1800 Kg.  | 20-30    | 4060       | x 1570 | x 2370 |
| 12     | KARB  | 3500                    | 2100 Kg.  | 25-50    | 4135       | x 1670 | x 2425 |

Note :- Poultry feed density is considered as 0.6 gm/cc

- ★ Capacities mentioned are of mixing chamber only but not total U trough.
- ★ Please note that power mentioned is for dry mixing and can be varied depending upon densities of the material and speed of the mixer.
- ★ Blending time is 3-6 minutes depending upon the required CV and characteristics of material being mixed.



# CONICAL BLENDERS

(SS MAKE)

## Features

- ★ All contact parts in stainless steel.
- ★ Sturdy and robust construction.
- ★ Minimum maintainance cost.
- ★ Available in 3 phase connection which results in low electricity consumption.
- ★ 100% Cleanout.
- ★ Easy inlet and outlet.
- ★ Foundation is optional.
- ★ Mixing time depends upon the material being mixed.  
Fine amount of medicine can be evenly mixed with base material.
- ★ Uniform and even mixing without heat generation.

| Type        | Power Requirement | Batch Capacity in Litres |
|-------------|-------------------|--------------------------|
| CONIMIY 25  | 1.00 HP           | 25                       |
| CONIMIY 50  | 2.00 HP           | 50                       |
| CONIMIY 100 | 3.00 HP           | 100                      |
| CONIMIY 150 | 5.00 HP           | 150                      |

Bulk density considered is 1 gm/cc



An ISO 9001:2015 Certified Company

Manufactured By

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