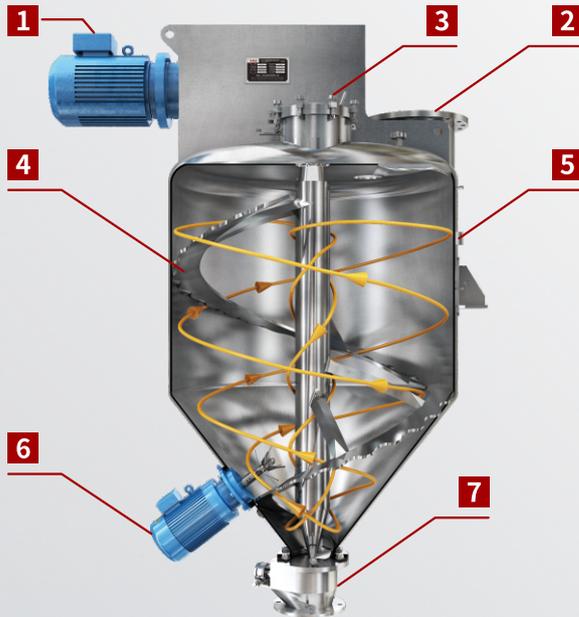


## Vertical Ribbon Mixer

*Perfect mixing result with easy clean and clear empty*



- 1 Drive Unit**  
(Motor, Gear Reducer)
- 2 Feed Port**
- 3 Inspection Port**
- 4 Mixing Elements**  
(Spiral Ribbon)
- 5 Cleanout Door**
- 6 Chopper Device**
- 7 Standard Pneumatic Discharge Valve**

Vertical Ribbon Mixer consists of cone & vertical shape vessel body, drive unit, helical blades and chopper. The mixing blade is designed for three-dimensional movement of materials to create helical material upward flow along the periphery of vessel and gravity downward flow in the center at optimum mixing quality. During this continuous operation, material particles and heat are exchanged quickly which leads to a homogeneous product. Besides, the material particles are mixed with minimal mechanical and thermal stress, which makes this type of mixer a good solution for fragile and heat sensitive product.

**Option:** Vacuum, Jacket (heating/cooling), Surface Coating, Anti-wearing, Liquid Spray, CIP Cleaning, Hazardous Area etc.



## Benefits

- ✓ Compact helical ribbon structure without any mixing dead space
- ✓ High speed chopper for de-agglomeration requirement
- ✓ No any lubrication leaking risk
- ✓ GMP design with FDA certificate of non-metal part of mixer
- ✓ CIP Cleaning
- ✓ Heating/cooling jacket and vacuum design is optional
- ✓ Complete discharge

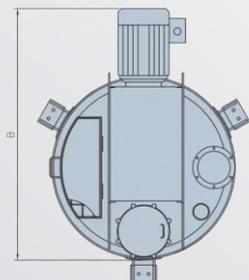
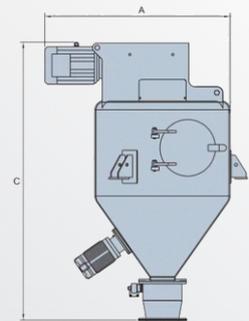
## Application

- ✓ Dry Powder
- ✓ Dry Powder with liquid additives
- ✓ Slurry



## Technical Data

Gross Volume	Effective Volume	Overall Dimension			Shaft Speed	Approx. Weight
		A	B	C		
100L	40-60L	600	950	1800	134	350
300L	120-180L	900	1200	2100	96	500
500L	200-300L	1000	1300	2400	80	650
1000L	400-600L	1300	1800	2500	61	1150
1500L	600-900L	1500	1900	2700	54	1450
2000L	800-1200L	1600	2300	2900	50	1850
3000L	1200-1800L	1800	2300	3200	43	2150
4000L	1600-2400L	2100	2500	3500	38	2600
5000L	2000-3000L	2300	2400	4500	35	3500
6000L	2400-3600L	2400	2400	4900	33	3850
8000L	3200-4800L	2600	2600	4900	30	4500
10000L	4000-6000L	2700	2700	5300	28	5400



- Above information is our standard type, we can make customized design if necessary.
- The construction material can be mild steel, stainless steel 304/316L, duplex steel, hard alloy steel to meet different application.
- The mixer can be atmospheric design, pressure vessel design (GB150, ASME, PED), FDA hygiene design and other complicated requirement.

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