

V-Type Blending Machine



The V-Blender is an advanced, efficient mixing machine ideal for dry powder and granular materials with good flowability. Commonly used across industries such as pharmaceuticals, chemicals, food, plastics, cosmetics, ceramics, and metallurgy, this machine provides high mixing uniformity while being energy efficient and easy to clean. The V-shaped mixing chamber enables both axial and transverse mixing, creating a highly uniform blend without the need for intensive mechanical action. The asymmetrical design of the dual cylinders enables efficient distribution of materials with minimal stress on particles, making it suitable for sensitive materials.

Features

- Uniform Mixing: The asymmetrical V-shaped design facilitates layered axial and transverse convective mixing, achieving a highly uniform blend.
- Energy Efficient: Low energy consumption due to gravity mixing, ideal for long-term operational cost efficiency.
- Easy to Clean: Constructed with stainless steel with $Ra \leq 0.4$ internal and external polish for high cleanliness standards, meeting GMP requirements.
- Flexible Loading and Discharging: Supports both manual and automatic vacuum feeding, with a vacuum butterfly valve for dust-free operation and ease of cleaning between batches.
- High Durability: The robust stainless steel construction and high-grade components ensure long-lasting performance with minimal maintenance.

Technical Specifications

Model	Material Cylinder Volume (L)	Coefficient	Main Shaft Speed (rpm)	Power of Motor (kW)	Outline Dimensions (L×W×H) (mm)	Weight (kg)
AVM-20	20	0.35-0.45	13	0.37	900 × 400 × 800	80
AVM-30	30	0.35-0.45	13	0.55	950 × 450 × 850	100
AVM-50	50	0.35-0.45	13	0.55	1050 × 500 × 900	120
AVM-100	100	0.35-0.45	13	0.75	1150 × 550 × 1000	150
AVM-200	200	0.35-0.45	13	1.5	1350 × 600 × 1150	220
AVM-300	300	0.35-0.45	13	2.2	1500 × 650 × 1250	280
AVM-500	500	0.35-0.45	13	3.0	1700 × 750 × 1400	400