

v type mixer with no stagnant material and easy discharge

v type mixer is suitable for a variety of industries, wet and dry materials mixed efficiently, because of its compact structure, easy to operate, and can realize the dust-free operation, so it is very suitable for mass production use.

V Type Mixer

Features of v type mixer

1. Compact and efficient design: v type mixer has a compact structure, occupies little space, is easy to operate and can be put into production quickly. Smooth and noiseless operation, suitable for working environments with strict noise requirements.
2. High mixing uniformity: v type mixer can be adapted to the mixing of various materials, whether dry powder, granules, or wet materials, the mixing uniformity of up to 98% or more, can effectively meet the uniformity requirements of various materials.
3. Health and safety: the whole machine is made of stainless steel, corrosion-resistant, oxidation-resistant, beautiful appearance and easy to clean. Users can easily carry out sanitation cleaning, in line with the hygiene standards of food, pharmaceutical and other industries.



4. Dust-free operation: the equipment supports vacuum feeding and butterfly valve discharge, to ensure that the entire process of the material does not fly apart, to achieve the whole dust-free operation, improve the working environment and reduce pollution.
5. Flexible control: the equipment is equipped with adjustable forward and reverse function, the panel control interface is intuitive and simple, flexible operation, able to adjust the working status according to the actual needs.
6. Precise polishing treatment: v type mixer barrel after precision polishing treatment, so that the material flows smoothly in the container, not easy to stagnant or residual material, improve the convenience of cleaning and maintenance.
7. Efficient discharging: the barrel design takes into account the convenience of discharging, the material is easy to flow out, there will be no accumulation phenomenon, greatly improving the work efficiency.
8. Material uniformity: due to the multi-directional mixing movement of the V-shaped cylinder, to avoid the centrifugal force caused by the specific gravity of the segregation, to ensure that the material will not be layered or accumulated, to achieve uniform mixing.

The working principle of v type mixer

Through the rotary movement of V-shaped cylinder, the materials are repeatedly turned, rolled and mixed in the cylinder. The physical collision and rolling friction in the process of rotating the material, prompting the mutual diffusion and reorganization of the particles. Due to the special shape of the V-shaped cylinder, the material is not affected by centrifugal force in the mixing process, avoiding the common phenomenon of specific gravity segregation, stratification and accumulation, thus realizing high uniformity of mixing. For dry and wet materials, v type mixer can also achieve good mixing results, and no dead space, no material retention.

Advantages

1. High efficiency and uniformity of mixing: V mixer can quickly and evenly mixed with different materials, suitable for granular materials and powder mixing, high uniformity, short mixing time.
2. Energy saving and environmental protection: the equipment can effectively reduce energy consumption, high efficiency, and simple operation, reducing production costs.
3. Strong adaptability: whether dry powder, wet material or particles, v type mixer can meet the mixing needs of different materials, has a strong applicability.
4. Easy to clean and maintain: the equipment is made of stainless steel, the surface is precision polished, easy to clean, and will not leave material to meet the health requirements.

- 5. Dust-free operation guarantee: through the vacuum feeding and butterfly valve discharge design, reduces the material scattering and air pollution, to ensure a dust-free, clean operating environment.
- 6. High degree of automation: the equipment can be adjusted forwards and backwards, the panel is easy to operate, the degree of automation is high, reducing human intervention and improving work efficiency.

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Model	V5L	V10L	V20L	V50L
Capacity	5L	10L	20L	50L
Available capacity	40% to 50%			
Load weight limit	≤20kg	≤20kg	≤30kg	≤30kg
Mainshaft speed	13rpm			
Power	0.75kw			
Power supply	220Vac, 50Hz			
Weight	120kg	130kg	145kg	160kg