

V-50/100/200/300/500 Blender Dry Powder Mixing Machine



V type dry powder mixer blending machine is suitable for use in the pharmaceuticals, chemical and food industries for mixing powder or granular materials.

The cylindrical structure is the distinguishing feature and the mixing ability is well-proportioned and efficient with no blind spots in the cylinders and no accumulation of materials.

V type dry powder mixer machine is straightforward and it is easy to operate with the surface that is easy to clean in a highly finished stainless steel.

Working Principles

The reducing mechanism drives the barrel rotary, and the length of two barrels is different, which will produce asymmetry. And then the machine take advantage of this asymmetry for mixing materials. When the machine is running, materials from the decomposition to the combination, as potential energy differences, which will produce lateral force to promote the horizontal exchange of materials; and materials from the combination to the decomposition, as materials plane differences, which will produce lateral force to promote the horizontal exchange of materials again. The barrels rotary one cycle, which will make 25% of materials flow from one barrel to the other one; at the same time the materials will also produce radial flow, and then the materials can horizontally and radially decompose, alternating combination, so that the materials can mix evenly.

Technical Specification:

Model	V-50	V-100	V-200	V-300	V-500
Volume	50L	100L	200L	300L	500L
Max. Filling Capacity	20L	40L	80L	120L	200L
Best Filling Capacity	14L	28L	56L	84L	100L
Power	0.75KW	1.1KW	1.5KW	1.5KW	1.5KW
Rotational Speed	20r/min	15r/min	15r/min	15r/min	12r/min
Dia. Of barrel	Φ300mm	Φ350mm	Φ450mm	Φ500mm	Φ600mm
Dia. Of Inlet	Φ160mm	Φ250mm	Φ300mm	Φ300mm	Φ300mm
Dia. Of Outlet	Φ80mm	Φ80mm	Φ100mm	Φ100mm	Φ100mm
Dimensions(mm)	1350x450x1160	1900x800x1190	2010x850x1440	2220x900x1470	2500x1220x2720