



SMALL FEED MILL

MVKS-V 500, 1000, 1500, 2000

Small feed mill MVKS-V is a system consisting of feeding pipe screw conveyor with a hopper and a bar screen, strain-gauge balance with hand control sliding gate, magnetic screen separator, vertical hammer mill, lower filling screw conveyor with a hopper for manual feeding of components, vertical mixer and inclined discharge conveyor with separate discharge and bagging spout.

Raw materials to be crushed are dosed in the strain-gauge balance placed above the hammer mill by the tube screw conveyor with the hopper and bar screen at the hopper inlet. After weighing of one charge, the raw material is freed from ferromagnetic impurities in its passage through the magnetic bar screen separator. Further the raw material is crushed by hammers in the vertical hammer mill, and calibrated through the screen to required granules. The screens can be easily replaced in off condition. The screen mesh size is selected depending on the kind of animals the feed is to be produced for.

The crushed material is further forced by the lower filling screw conveyor into the vertical mixer. On the filling screw conveyor there is a hopper with manual sliding gate for manual pouring of bagged components. The mixer works on the principle of mixing by means of central worm shaft, which is partly placed in the external tube. Mixing time is 15 min. For discharge of finished feed mixture, in the lower part of the mixer there is an outlet with manual sliding gate with position locking.

The finished feed mixtures are discharged from the mixer through the manual sliding gate and an inclined screw conveyor. The screw conveyor can discharge the feed mix into a transport container or in big-bags. Furthermore, the screw conveyor is equipped with the second discharge with manual sliding gate and bagging spout for possible bagging of the feed mix.





Power series of small feed mills

Small feed mills MVKS-V are manufactured in four power variants, with the hammer mill with electric motor of power input 7.5, 15, 18.5 or 22 kW. For all the hammer mills, the mixer is the same capacity of 1000 kg.

	MVKS 500	MVKS 1000	MVKS 1500	MVKS 2000
line output (max.)	500 kg/hour	1000 kg/hour	1500 kg/hour	2000 kg/hour
conveyor designation	TŠ 150	TŠ 150	TŠ 150	TŠ 150
conveyor power input	2.2 kW	2.2 kW	2.2 kW	2.2 kW
hammer mill designation	VM 7,5	VM 11	VM 15	VM 18,5
hammer mill power input	7.5 kW	11 kW	15 kW	18.5 kW
hammer mill output	1000 kg/hour	1500 kg/hour	2000 kg/hour	2500 kg/hour
conveyor designation	TŠ 150	TŠ 150	TŠ 150	TŠ 150
motor power input	1.1 kW	1.1 kW	1.1 kW	1.1 kW
mixer designation	STM 1,5	STM 1,5	STM 1,5	STM 1,5
mixer power input	2.2 kW	2.2 kW	2.2 kW	2.2 kW
mixer capacity	1000 kg	1000 kg	1000 kg	1000 kg
mixing time	15 min	15 min	15 min	15 min
conveyor designation	TŠ 150	TŠ 150	TŠ 150	TŠ 150
motor power input	2.2 kW	2.2 kW	2.2 kW	2.2 kW
installed power input	15.2 kW	18.7 kW	22.7 kW	26.2 kW

Method of application

Small feed mill MVKS-V is suitable for small to medium feed mixture manufacturers, in plants where base materials (cereals) for feed production are stored in bunkers or elevators. Feed additions (premixes) are in bags. The advantages of this technology are easy attendance, reliable operation, high productivity and long life of components. The operation of this plant does not require permanent presence of the operator in feed mixture production, if the materials to be milled are stored in bunkers.