

Rapid Sifter Type BRSB

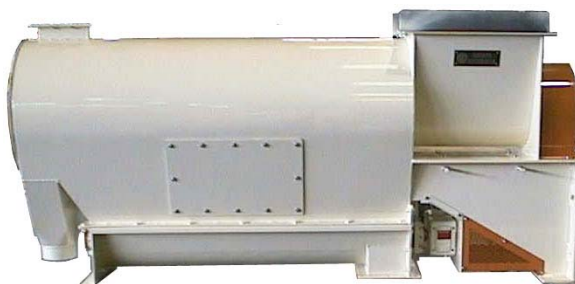
APPLICATION

The BRSB Rapid Sifter is designed as a grading or redressing rotary sifter for granular and powdered materials. Already in use in many industries such as chemical, pharmaceutical, stock feed, flour and bakeries. The sifter can be fitted with an extended screw section eliminating the need for a separate Metering Feeder normally used in bulk silo installations. Various throughput's are obtainable depending on the feeder screw pitch, aperture size of the screen and characteristics of the product to be sifted.



OPERATING PRINCIPLE

From the feed hopper, material is positively fed by means of a screw feeder into the sieving chamber where a brush or beater blade assembly revolves inside a stationary cylindrical screen. The throughs of fines pass through the sieve and are discharged, the tails of foreign matter retained inside the screen are discharged from a separate outlet. Various retention times can be obtained by the fitting of restricting rings at the tail end of the sieving chamber.



CONSTRUCTION

The standard machine is fabricated in mild steel and is available with either a perforated metal or nylon mesh screen. The machine is driven via vee-belts connected to an under slung integral motor. Depending on the type of application, either brushes or beaters can be fitted to the four beater assembly. Various hopper and over-tail spout options can be included so as to enable the sifter to be mounted in a variety of positions. The machine is of rugged construction with easy access for cleaning and maintenance.

OPTIONS

Stainless steel construction, extended auger, food quality/pharmaceutical finish, outrigger bearings, various hopper/outlet configurations, outlet feeder c/w separate drive, outlet screw conveyor.

Size	kW	600	710	860	1200
Motor Size	4.0	x			
	5.5	x	x		
	7.5	x	x	x	x
	11.0		x	x	x
	15.0			x	x
Screen Area		0.615 m ²	0.741 m ²	0.914 m ²	1.376 m ²
Exhaust (optional)		400 m ³ /hr	450 m ³ /hr	500 m ³ /hr	650 m ³ /hr
Weight		390 kg	410 kg	450 kg	520 kg