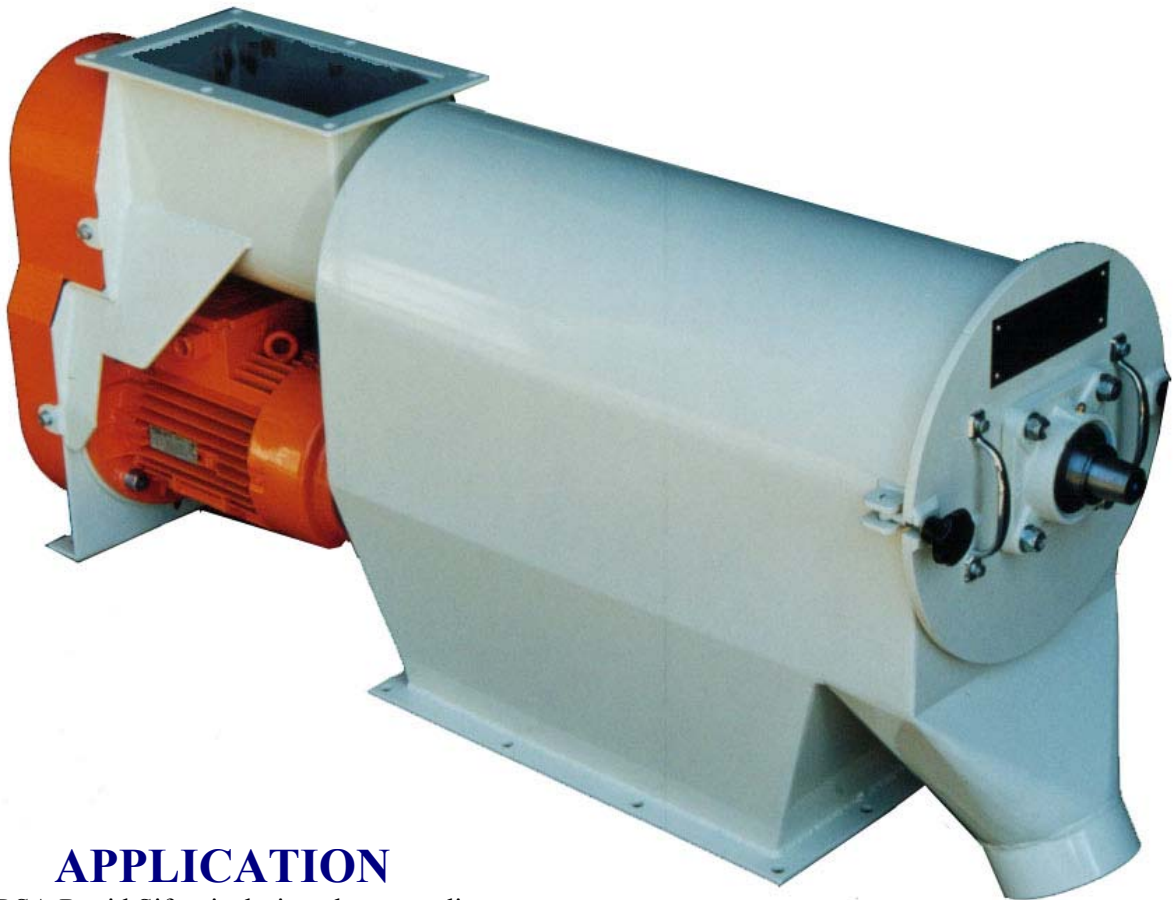


Rapid Sifter Type BRSA



APPLICATION

The BRSA Rapid Sifter is designed as a grading or redressing rotary sifter for granular and powdered materials found 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 throughputs are obtainable depending on the feeder screw pitch, aperture size of the screen and characteristics of the product to be sifted.

OPERATING PRINCIPLE

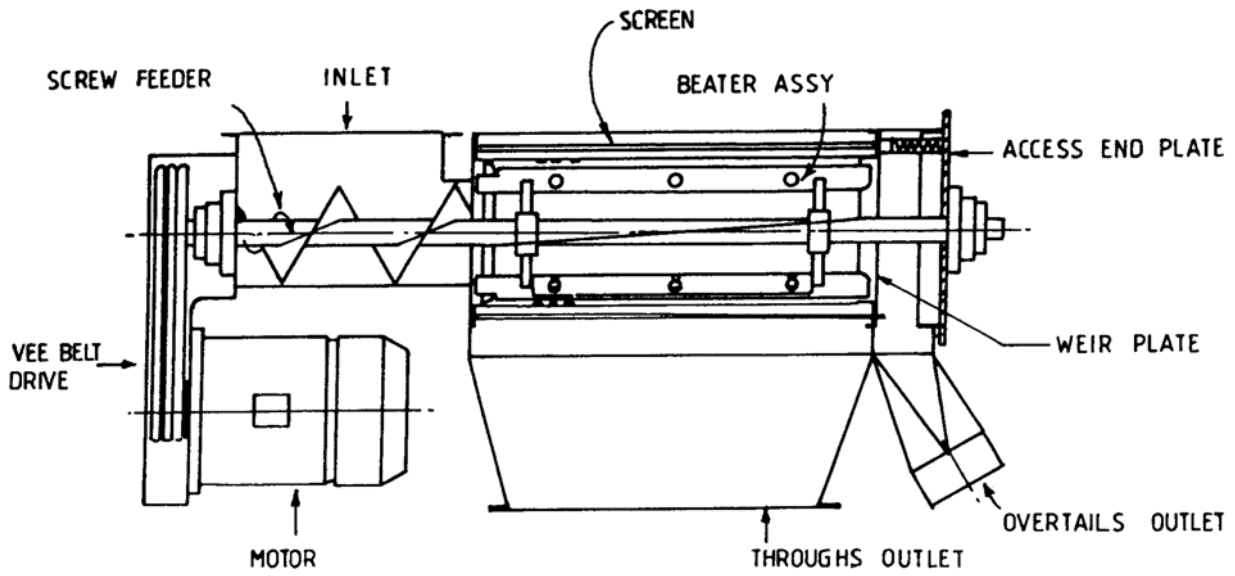
From the feed hopper, material is positively fed by means of a screw feeder into the sieving chamber where a brush or beater blade assembly revolves inside a stationary cylindrical screen. The throughs, or fines pass through the sieve and are discharged, the tails of foreign matter retained inside the 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.

OPTIONS

Stainless steel construction, extended Auger, food quality/pharmaceutical finish, outrigger bearings, various hopper/outlet configurations.



CROSS SECTIONAL VIEW

