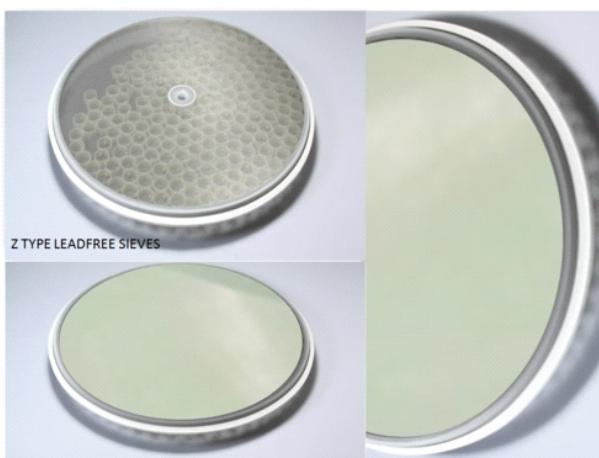


POWDERICS VIBRATORY SIFTER



Sizing is simple but important step in processing powders. It is particle size as per requirement that gives desirable properties to intermediary and final product. In some processes it is directly correlated to process time impacting throughput of the plant. Hence, differentiating particle sizes before starting of certain processes becomes important. While doing so, gentle handling is also important.

Solution for this process is **Powderics Sifter**. It is a self-contained vibratory screening device that vibrates about its center of mass in gyratory motion. Vibration is accomplished by eccentric weights on the upper and lower ends of the motion-generator shaft. The lower weight acts to tilt the machine, causing vibration in the vertical and tangential planes. Based on customer needs, special features like vacuum rated sifter for close loop integrated production line, ultrasonic mechanism for anticlogging of sieves, magnetic separator can be provided.



Sieve with Mesh cleaning silicon rings

Specifications:

- cGMP model with contact parts SS 316
- Contact Surface finish Ra less than 0.4
- Mobile unit with rugged castor wheels
- Tool less assembly
- Dust free construction
- Option of anti-clogging arrangement
- Option of flame Proof and ATEX compliant units on request



Special purpose application:

Ultrasonic Vibrating Sieve

This heavy-duty vibratory screen generates 3 times more vibration & provide higher throughput in ultra-fine mesh than a conventional sieving machine. The Powderics Process Technologies Vibratory Sifter Generate up-to 5 levels of gradation for precise particle size distribution in one single operation. The circular vibratory screen is capable to sieve up to 500# with no breakdown.

Vibratory sifter comes with a high force vibrating motor which serves the purpose with adjustable motor weights & rotating angle. It is suitable for Dry or Wet Applications like silica, ceramics, powder paint, tapioca starch, coffee beans, copper powder, silver powder, minerals, detergents, rubber compounds, plastics & lot more.



Vacuum Rated Vibratory Sifter

For inline integration with pneumatic transfer, we also offer vacuum rated sifters in all required sizes. Especially for continuous and contained operation, this is most useful.

ATEX Compliance:

Based on special needs, we can also offer ATEX compliant vibratory sifter units.

ATEX certification category: II 2 G D, Level of Protection: Ex e II, Td A21 IP66, Suitable for use Area 1 & 2 (gas group) and area 21, 22 (dust groups) Motor Available

Advantages:

- Complete Dust free Charging & Discharging System
- Heavy duty very rugged machine
- Specila Sieve with Z Type
- ATEX Rated Sifter With ATEX Rated motor is available as option
- In built Mesh cleaning Arrangement provided
- Additional Ultrasonic Vibrating Kit Available for Mesh Cleaning
- Vibratory Sifter Mobile type Or Suitable to integrate with Platform possible
- Vacuum Rated Vibratory Sifter Available

Technical Data	Out Put Capacity Per/Hour	Motor HP	Machine Weight	Over All Dimension (In MM)		
				Length	Width	Height
PPT-VS-12	50 Kg	0.25	50	400	400	800
PPT-VS-24	100 Kg	0.25	100	700	700	1000
PPT-VS-30	250 Kg	0.5	140	850	850	1200
PPT-VS-36	400 Kg	1	180	1000	1000	1600
PPT-VS-48	600 Kg	1.5	220	1300	1300	1850
PPT-VS-60	1000 Kg	2	300	1600	1600	2000