

Specific Gravity Separators

MODEL - G-1, G-2, G-4, G-6



This machine is specifically meant for removing impurities and achieving very high grading quality in any free flowing granular material, like all type of seeds, grains, spices, etc. It removes the impurities on the basis of specific weight.



Features

- Rectangular deck for greater capacity and accuracy
- Deck is quick and easy interchangeable type
- Fans are dynamically balanced with individually adjustable air control for each fan for precise control of air flow
- All the fans are mounted on one common shaft
- Variable oscillation speed of deck
- Deck assembly is rested on four specially designed levers with metal on bushings for smooth and trouble free operation
- IP-54 Electric Panel with standard (Protection from dust & water spray)
- Z-box is provided for cushioning & proper material flow
- Variable inclination of deck side-wise and length-wise
- Heavy duty and robust structural frame to absorb the vibrations
- Seed collecting spouts are fitted with the bag holding clamps
- Eccentrics are counter balanced giving smooth oscillating action to the deck
- Big feeding hopper with adjustable height and variable feeding rate through controlled gate
- Built in air filters can be easily removed for easy access to the moving parts
- Screw type arrangement for each fan for controlling the quantity of air
- Deck is fitted with hydraulic cylinders to facilitate its easy opening

Optional Accessories Available

- Electrically operated and controlled device with digital display for each fan
- PLC based touch screen for pre setting programs up to 200 crops can be supplied on demand
- Additional Deck meant for very large seeds like maize, castor, sunflower, groundnut etc
- Additional Deck meant for very fine seeds like sesame, mustard, niger etc
- Surge Bin, VB Elevator, Dust canopy, Vibro feeder

TECHNICAL SPECIFICATIONS

Model	Capacity (based on wheat) TPH	No. of Fans	Size of Deck mm (WxL)	Deck Area (sq. m)	Type of Deck	Electric Drive	
						Fan	Deck
G-1	0.7 to 1	2	800 x 1230	0.98	Rectangular	3	-
G-2	1.5 to 2	3	800 x 1590	1.27	Rectangular	4	1
G-4	3 to 4	5	1040 x 2340	2.43	Rectangular	7.5	1.5
G-6	5 to 6	7	1150 x 3100	3.56	Rectangular	10	2

Note: Capacities may vary depending on seed condition, moisture content, seed varieties, type & volumes of contaminants to be separated & the percentage of foreign material acceptable in the final product. Capacity also vary depending on product flow through the cleaner.

*Capacity based on wheat

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ISO 14001 : 2015
OHSAS 18001 : 2007
SA 8000: 2014
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