



Heavy-Duty Enclosed and Open Spiral Separators

Spiral Separators are commonly used to separate good round-shaped seed from splits, weed seeds, chaff, hulls, stems, etc. and can be used to separate one kind of seed from another depending on their shape and size. They can be used to clean round-shaped products such as Soybeans, Canola, Mustard, Peas, Vetch, Coriander, Peas, Millet, Milo, Alfalfa, Peppercorn and much more.

Operating by gravity, the separator contains a spiral (or spirals) that are fed from a top hopper with an adjustable feed plate. The seed leaving the hopper runs over a cone divider which spreads the seeds evenly onto the inner flights. As material flows down the flights, the round seeds will travel at a much faster speed than the non-round material. Their momentum increases until the round seeds run over the edge of the inner flights, drop into the outer flights, and discharge through a spout at the bottom of the separator. The non-round materials remain on the small, inner flights and slide down to a separate discharge spout at the bottom.

Enclosed spiral separators are built into a cabinet using the cabinet as the framework and stand for the spiral. Reasons for enclosing spiral separators in cabinets are to decrease dust that is released into the air and to create a more uniform organized way to install this equipment into a seed cleaning line.

Determining the correct Spiral Separator to be used will depend on the diameter, shape, and weight of the material being separated. There is no single size spiral that will separate all types of materials. The degree of pitch and diameter of the inner flights on a spiral will determine the quality of separation. In some applications different types of materials that have similar size and weight may be separated on the same spiral, but the quality of separations may vary. **It is recommended that a sample be submitted for factory testing to determine which Spiral Separator will best meet your requirements.**

Eco-friendly Process

Since there are no moving parts, no power is required to operate the separators. When the feed has been properly set, the separator continues to operate automatically as long as there is seed in the hopper.

Long-lasting Durability

Heavy-duty construction manufactured with welded galvanized steel to withstand heat and vibration. Stainless steel available – Call for quote.

Thorough Separation

With four separating turns they help ensure effectiveness.

Heavy-duty Lab Spiral Separator

Standard Features: Four total inner flights – 3", 4", 5", 6". Position the (removable) feed hopper onto the flight that matches the material you are separating. Actual dims: 22" (L) x 22" (W) x 54" (H), Ship wt: 180 lbs, Ship dims: 28" (L) x 28" (W) x 66" (H).

Galvanized Lab Spiral Separator, 4 Turns..... No. LAB4G



Heavy-Duty Single and Double Open and Enclosed Spiral Separators

Standard Features: Four turns of separation, inner flight sizes are available in half-inch increments from 3" through 8" (part numbers shown from 4"-7" in full inch increments), left or right hand discharge. Pitch is determined by application. **Single Open Spiral:** Actual dims: 22" (L) x 22" (W) x 74" (H), Ship wt: 235 lbs, Ship dims: 28" (L) x 28" (W) x 82" (H). **Double Open Spiral:** Actual dims: 22" (L) x 40" (W) x 78" (H), Ship wt: 325 lbs, Ship dims: 28" (L) x 44" (W) x 84" (H).

Single Spiral Separator – Left Hand Discharge		Double Spiral Separator – Right Hand Discharge	
No. 40SHLG	Galv. Single Spiral Separator, 4" Flight	No. 40DHRG	Galv. Double Spiral Separator, 4" Flight
No. 50SHLG	Galv. Single Spiral Separator, 5" Flight	No. 50DHRG	Galv. Double Spiral Separator, 5" Flight
No. 60SHLG	Galv. Single Spiral Separator, 6" Flight	No. 60DHRG	Galv. Double Spiral Separator, 6" Flight

Enclosed Style Spiral Separators	
No. E150	Single Spiral Enclosed Separator
No. E2100	Double Spiral Enclosed Separator
No. E4200	Four Spiral Enclosed Separator

The above Spiral Separators are available in stainless steel. Enclosed Spiral Separators are also available in 1-10 core units with capacity of 50-500 BPH. Contact us for pricing and availability on these additional models.