

Aspirators & Shape sorting machines

Spiral Series *Selecta*



PETKUS



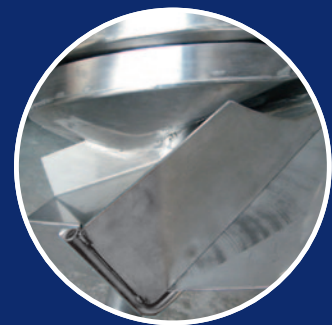
ADJUSTABLE FEEDER

The Spiral 4.5 and 6.0 are equipped with a VIDOS electrical continuously adjustable feeder, self-cleaning and easy to inspect. The feeder ensures a constant flow without clogging for 24 hour continuous operation.



ADJUSTMENT OF THE SEPARATION

By using a set of brushes inserted at inner spirals at the height where the „bad“ seeds start to swing out. The „bad“ seeds are forced back into the inner spiral and will remain there. Because the set of brushes can be inserted everywhere very precise adjustment is possible.



CUSTOMIZED OPTIONS

It is possible to deliver the spiral separators with 2 or 3 outlets, depending on the seeds you have to separate. The standard model has 2 outlets at 180 angle. By using a valve in the outer spiral there is an extra adjustable separation.

The finest for Quality Seeds.

The PETKUS Selecta Spiral separator is very suitable for separation of seeds on shape: round from angular, flat or oval seeds. It can be used to separate soil and weeds from brassica seeds, weeds from spinach etc.

The quality and precision of the equipment are critical to the separation results. PETKUS Selecta has an outstanding record of high quality products.

Operation

Spiral 2.5 (Lab version)

The Spiral 2.5 is an extra short version and can be fed by hand very easily by standing on the floor. This makes the Spiral 2.5 very useful to process a lot of small samples in a short time. The machine is self-cleaning and can be easily inspected, thus there is no risk of contamination.

In most cases the Spiral 2.5 is used in combination with the air suction pre-cleaner AS 1.1. An ideal combination to process a lot of small breeding samples per hour!

Spiral 4.5

The short Spiral separator can be used to remove soil and weeds from round seeds, the soil and weed remain in the inner spirals, the seed falls into the outer spiral.

Spiral 6.0

The long Spiral separator is specially designed to separate soil and weeds from angular and flat seeds. In this machine the weeds and other debris are in the outer spiral, whilst seeds remain in the inner spirals.

The Spiral provides fully automatic operation without any moving parts and can be used as stand-alone or in a cabinet to increase capacity. The seeds are carried into the feeding inlet on top. The inlet is provided with a distribution unit to guarantee an even spreading of the seeds in the machine. The round and smooth seeds move faster and therefore reach the outer spirals. The angular seeds move slower and remain in the inner spirals.

Features

- + Very easy to operate
- + Continuous inspection possible, easy and thorough to clean, no „blind spots“ due to open construction
- + Durable, low maintenance
- + Very accurate separation, also for the „difficult seeds“
- + 24 hours non-stop operation, no moving parts
- + Can be installed in a cabinet (2-4 pieces) to increase capacity.
- + Very useful to process a lot of small samples in a short time without contamination risk

Options

- + Collection in boxes connected to the outlets
- + Pre-cleaning by air suction on top of the spiral by the AS 1.1

Spiral 4.5 / 6.0

- + Third outlet
- + Adjustment of the separation by removable set of brushes



Technical Data

| | | Spiral 2.5 <i>Selecta</i> | Spiral 4.5 <i>Selecta</i> | Spiral 6.0 <i>Selecta</i> |
|-------------------------|--------|---------------------------|---------------------------|---------------------------|
| Length | (mm) | 600 | 600 | 600 |
| Width | (mm) | 600 | 550 | 550 |
| Height | (mm) | 1 250 / 1 800 | 2 300 | 2 700 |
| Active Height | (mm) | 900 | 1 600 | 2 000 |
| Weight | (kg) | 35 | 50 | 70 |
| Number of inner spirals | | 4 | 4 | 4 |
| Number of turns | | 2,5 | 4,5 | 6 |
| Capacity | (kg/h) | 40 | 40 | 60 |
| Power supply | (kW) | none | 0,2 | 0,2 |

Descriptions and measurements are approximate. We reserve the right to implement technical changes.