

Kimseed Zigzag Aspirator



The **Kimseed High Volume Aspirator** is designed to quickly and efficiently separate seeds and impurities according to their weight into 4 separate fractions:

- 1 Heavies: Straight Down**
- 2 Medium: Centre**
- 3 Light: Right Side**
- 4 Very Light: Bag under Dust Filter**

Precise and easy to use air flow adjustments allows for extremely accurate separation.

Dust filtration for operator comfort & safety.

Clear Front for easy observation.

OPTION :

6 litre Hopper & Vibra flow

Can be modified to include an automatic 6 litre hopper with vibrating chute for precise controlled feed for larger volumes of grain to be cleaned

Specifications

- Power: 2 hp 1500 W 220-240V 50- 60 Hz
- Hopper Capacity: 6 litres
- Optional Electromagnetic feeder and controls for precise flow.
- 3 x Collection Hoppers 2 litres each with quick open gate, to fall into bin
- 4 x areas for product to collect:
 - ◆ Heavy
 - ◆ Medium
 - ◆ Light
 - ◆ Very Light weight into dust bag under filter.
- 2 x Adjustable air vents for separation at 2 levels increases efficiency.
- Powder Coated Smooth air chamber for easy cleaning.
- Depth of air channel 125 mm
- Meshed air filter before fan to prevent seed loss into dust bag.
- High efficiency Pleated dust filter with easy clean handle.
- Clear acrylic front panel for ease of examination.
- Adjustable stepless airflow control with digital air speed indicator.
- Free standing unit on wheels with polyurethane tyres.
- Step up platform for easy filling access.
- Capable of sorting a huge range of seed types from grains to native species.
- Process volume of 300-500kg/hr of material.
- Dimensions: Length with platform 1800 mm
Width 950 mm
Height 2145 mm

Supplied with 6 x Collection Bins , 2 dust bags, 1 pleated filter

Operation Initial Settings

Review sample to be cleaned as the aspiration method of separation has limits due to aerodynamic shapes and weights of trash and seed.

Some samples may require screening to reduce bulk waste.

MAIN SUCTION Fan Air Control Port (located at top right Rear Suction Chamber)

Total air flow can be reduced for very light mixes to prevent samples from being drawn into the Vents 1 & 2 and into the Rear Suction Chamber at the rear of the Separation Housing.

A door at the bottom of the Chamber allows for retrieval saving of what goes through the vents before optimum settings are achieved.

Optional wire Mesh can be fitted: For some very light seed and low air flow.

Heavy Seed Settings (e.g.: Wheat, Barley and Rice) SEE SETTINGS GUIDE

These are guide settings only to begin separation.

The operator can adjust Baffle Gate and Vents and overall Fan Suction whilst viewing the separation process through the clear front window.

Baffle Gate at the base to be set at 30mm opening.

Vent 1 at 35

Vent 2 at 5

Medium Seed Settings (e.g.: Canola)

These are guide settings only to begin separation.

The operator can adjust Baffle Gate and Vents and overall Fan Suction whilst viewing the separation process through the clear front window.

Baffle Gate at the base to be set at 60mm opening.

Vent 1 at 30

Vent 2 at 5



Suction fan and dust control system.

Light seed Settings (e.g.: grass seed)

These are guide settings only to begin separation.

The operator can adjust Baffle Gate and Vents and overall Fan Suction whilst viewing the separation process through the clear front window.

Baffle Gate at the base to be set at 90mm opening.

Vent 1 at 5

Vent 2 at 5

Very Light seed Settings (e.g.: vegetable seed & fine flowers)

These are guide settings only to begin separation.

The operator can adjust Baffle Gate and Vents and overall Fan Suction whilst viewing the separation process through the clear front window.

Main Suction Port Half open

Baffle Gate at the base to be set at Fully open.

Vent 1 at 5

Vent 2 at 5



Vent 1 and vent 2



Baffle Gate