

# GRAVITY SEPARATOR

KA-1200 / -1500 / -1900 / -2200 / -2600

KA.2107.GB



*The KA gravity separator is used for fine grading and impurity separation of products with identical particle size but with differences in density*

Gravity separation is often the only method to achieve the purity required and it is therefore used where traditional cleaning methods by air, screen, and indented cylinder prove not to be effective enough.

For capacity and all other specific information see the back page.

The gravity separator offers the below features:

- Manually adjustable inlet with capacity shutter.
- Oscillating triangular grading deck with air distribution plate and standard covering for grain.
- Manually adjustable deck stroke length, air intake volume, and deck inclinations lengthwise and crosswise
- Adjustment of deck speed by frequency converter and remote control with cable.
- Outlet section with manually adjustable product guide plates.

- Stone outlet.
- Integrated fan.
- Air intake with filter cloth.
- Deck change from the side of the machine.
- Manometer for control of millibar.
- Drive and motors.

The machine is of steel construction with grading deck of waterproof laminated wood.

#### Options:

- Round sack clamps to be fixed on the outlets
- Connection at inlet for external dust aspiration
- Dust hood over the entire deck [excl. fan]
- Fan motor with frequency converter
- Deck with special covering
- Hydraulic regulation of deck inclinations with control panel
- Automation; extended PLC control
  - PLC control with 9" touch screen
  - Memory for batch recipes – saves machine parameters for all recipes
  - Remote control for mobile phone or tablet
  - Modem for remote service
  - Hydraulic regulation of deck inclination

## EQUIPPED FOR CHANGE

We provide valuable insights, so you can make qualified decisions

## GRAVITY SEPARATOR KA-1200 / -1500 / -1900 / -2200 / -2600

### TECHNICAL SPECIFICATIONS:

	KA-1200	KA-1500	KA-1900	KA-2200	KA-2600
Deck area m <sup>2</sup>	0.52	0.8	1.05	1.44	2.15
Capacity t/h	1.5	2.1	3.6	4.3	6
Motor for deck speed kW	1.1	1.1	1.5	1.5	1.5
Motor for integrated fan kW	7.5	7.5	11	11	11

*Capacity: estimate [guideline] based on fine cleaned wheat*

### DISTINGUISHING ADVANTAGES:

- Manually adjustable inlet to give an exact feeding of the product to the grading deck
- Easily accessible controls for quick and reliable adjustment to ensure an optimum cleaning result of a wide range of products
- Highly efficient air system with integrated fan and air intake with filter cloth ensuring clean air in the machine
- Air distribution plate ensuring a uniform air volume through the deck to get a good separation of heavy from light particles in one operation
- Easily and quickly exchangeable grading deck from the side of the machine
- Easy clean-down when changing from one product to another
- In right or left-hand construction to suit individual plant layouts
- Low maintenance costs



KA-1200 / KA-1500  
Shown with square sack clamps [option]

# GRAVITY SEPARATOR

KA -4400 / -5500

KA.2402.GB



Photo shows KA with outlet transitions [option]

*The KA high capacity gravity separator is used for fine grading and impurity separation of products with identical particle size but with differences in density*

Gravity separation is often the only method to achieve the purity required and it is therefore used where traditional cleaning methods by air, screen, and indented cylinder prove not to be effective enough.

For capacity and all other specific information see the back page.

The gravity separator offers the below features:

- PLC control system with 7" touch screen.
- Inlet with manually adjustable capacity shutter.
- Oscillating grading deck with exchangeable air distribution plate and standard covering for grain [ripple deck].
- Outlet section with fixed outlet gates and manually adjustable outlet openings.
- Belimo controlled stone outlet.
- Adjustment of deck speed by frequency converter.

- Hydraulic adjustment of deck inclinations by electrical pump.
- Air intake with silencers.
- Deck change from the side of the machine.
- Integrated fan with frequency converter.
- Drive and motors.

The machine is of steel and aluminum construction with grading deck of aluminum.

#### Options:

- *Dust hood over the entire deck*
- *Dust hood over 1/3 of the deck*
- *Outlet transitions*
- *4 Belimo controlled outlet openings*
- *Automation; extended PLC control*
  - *PLC control with 9" touch screen*
  - *Memory for batch recipes – saves machine parameters for all recipes*
  - *Remote control for mobile phone or tablet*
  - *Modem for remote service*
- *Deck with covering for small seeds*
- *Deck with covering for heavy seeds*

## EQUIPPED FOR CHANGE

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## GRAVITY SEPARATOR KA -4400 / -5500

### TECHNICAL SPECIFICATIONS:

	KA-4400	KA-5500
Deck area m <sup>2</sup>	3.4	6.1
Capacity t/h	12	18
Motor for deck speed kW	3	3
Motor for integrated fan kW	22	30
Motor for electrical pump kW	0.18	0.18

*Capacity: guideline based on fine cleaned wheat*

### DISTINGUISHING ADVANTAGES:

- Grading deck with manually adjustable outlet openings for splitting the product into the required fractions
- Easy setting of guide plates in the prime product outlet hopper ensuring a very sharp separation of a wide range of products
- Highly efficient air system with integrated fan ensuring a uniform air distribution across the entire grading deck and a good separation of heavy as well as light particles in one operation
- Easily and quickly exchangeable grading deck from the side of the machine
- Easy clean-down when changing from one product to another
- In right or left-hand construction to suit individual plant layouts
- Low maintenance costs



Photo shows KA with outlet transitions [option]