

Gravity separator

ZETA gravity separators are used to separate products with difference in specific weight.

The separator works on a fluidised bed principle; air is forced through the deck causing the light fraction to float above the heavy fraction. The deck is reciprocated causing the heavy fraction to move uphill, while the light fraction floats downhill. Variations in deck speed, air quantity, deck type, deck angle, depth of product and take-off points enable ZETA to do a high and constant quality separation.

ZETA separators are industrial, sturdy constructions of steel. The standard version of the ZETA is designed for manual operation of all functions, but the separator is also available fully computerized with memory function and touch screen allowing pre-settings for very fast and easy adjustment of the separation quality. A highly effective fan with filter produces a pressurised airflow through the deck.

Installation of the machine is very easy as only main power supply is needed for the built-in control box. All internal power supplies are pre-wired and incorporating deck drive inverter, fan drive inverter, starters, overloads and cable to the external control panel of the machine.



- Easy and user friendly change of deck
- Optionally available: computer control
- Easy installation and operation
- Industrial and sturdy design
- Available with half or full dust hood and recirculation.
- Decks available for many different products
- The deck is designed for optimum distribution of air

Subject to alterations

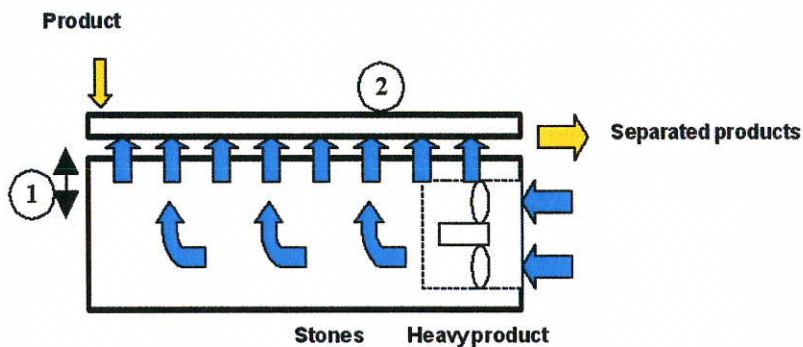
 **Damas**

DAMAS A/S
Industrivej 2, Vester Aaby
DK-5600 Faaborg
Tel. +45 6361 8200 • Fax +45 6261 6851
Mail@damas.com • www.damas.com

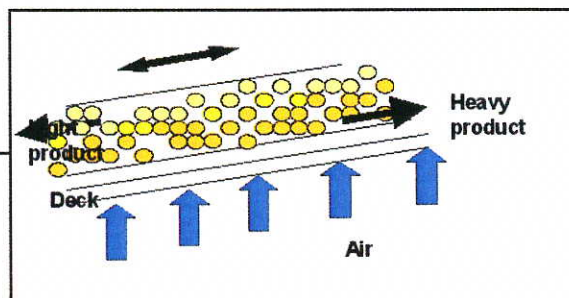
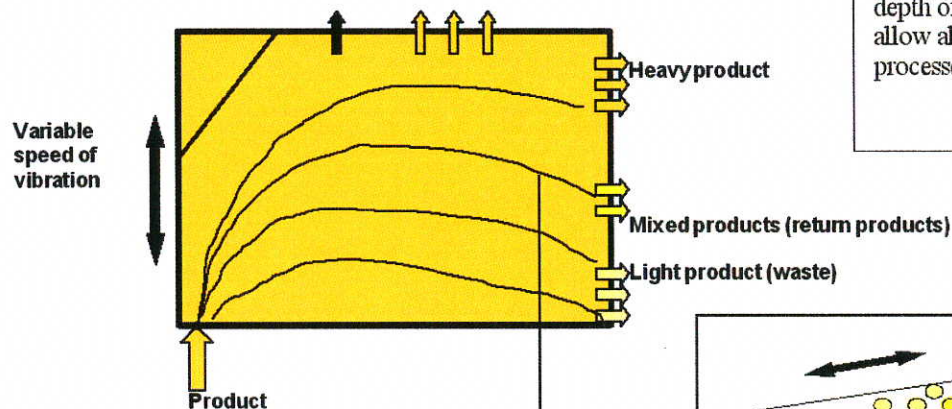

Can Seed
EQUIPMENT LTD.

www.canseedequip.com

332 Packham Avenue
Saskatoon, SK S7N 2T1
Ph: (306) 244-2285
Fax: (306) 244-4066



The separator works on a fluidised bed principle; air is forced through the deck causing the light fraction to float above the heavy fraction. The deck is reciprocated causing the heavy fraction to move uphill, while the light fraction floats downhill. Variations in deck speed, air quantity, deck type, deck angle, depth of product and take-off points allow almost any dry products to be processed successfully.



① ② Setting of inclination

Specifications

	DGS13	DGS21	DGS31	DGS51
Fine cleaning				
Wheat 18% H2O	t/h 2.0	5.0	10.0	15.0
Barley	t/h 1.8	4.5	9.0	13.5
Maize	t/h 1.6	4.0	8.0	12.0
Paddy	t/h 1.4	3.5	7.5	11.0
Rape seed	t/h 0.8	2.0	4.0	6.0
Drive motor	kW 1.1	1.1	1.1	2.2
Fan	kW 4.0	7.5	11	18.5
Total power consumption	kW 6.0	9.1	13	24.5
Quantity of air, open air system	m3/h 8,500	13.500	20.000	33.000
Quantity of air, recycling air system	m3/h 1,500	2,700	4.000	6.600
Memory function and Finger touch screen	Available	Available	Available	Available
Screen area	m2 1.3	2,1	3,1	5,1
Dust hood	Available	Available	Available	Available
Inlet aspiration (option)	m3/h 1,500	1.500	1.500	1.500
Light side aspiration (option) edge aspiration	m3/h 1,500	1.500	1.500	1.500
Vibration feeder	Available	Available	Available	Available
Length	mm 1.900	2.300	3.050	3.700
Width	mm 1.550	1.670	1.670	2.070
Height	mm 1.250	1.380	1.380	1.500
Weight	kg 1.000	1.150	1.550	2.300

Subject to alterations

