

GRAIN SEPARATOR

The Grain Separator „RVSA“ is used to remove coarse and fine impurities out of the granular product (e.g. grain) by sifting.

Pre-cleaning (Inclination 12°)

Cleaning (Inclination 7°)



OPTIONS

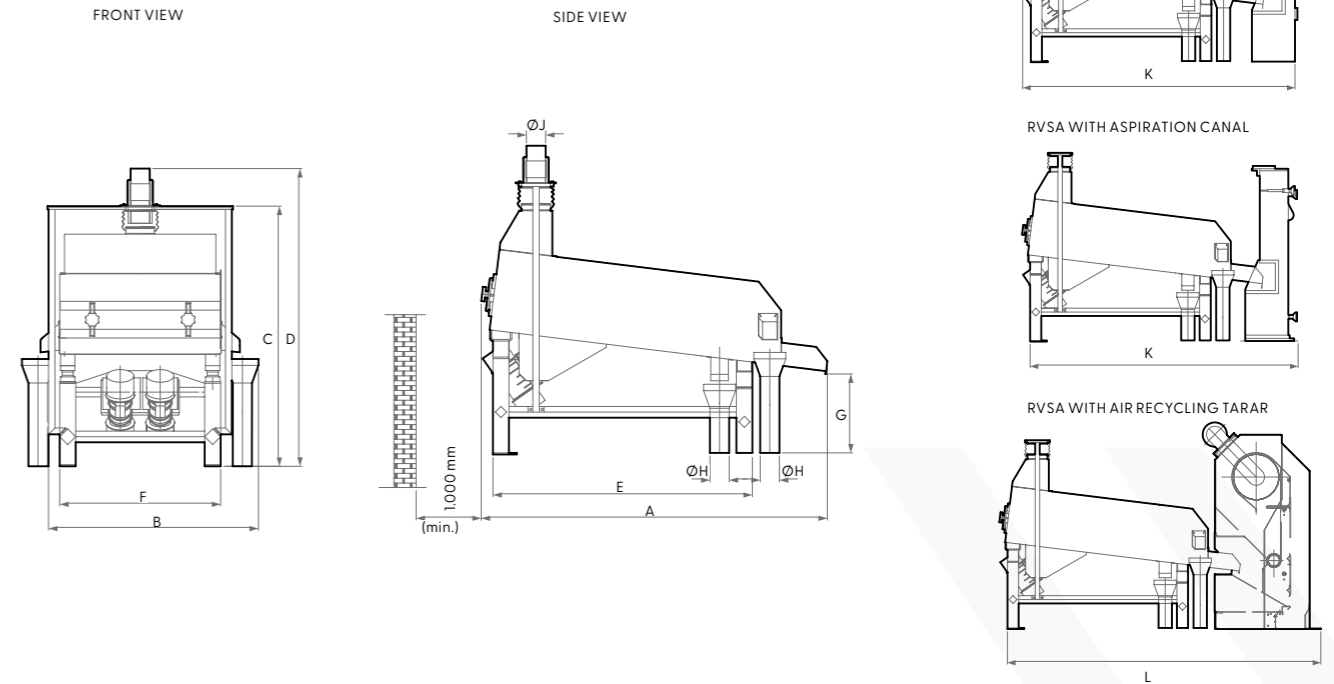
- > Outlet-box, Air Recycling Tarar or Aspiration Canal at the outlet
- > Different mesh openings and geometries
- > Aluminium-sieveframe
- > By-product outlets left or right
- > Wear protection
- > LED interior lighting
- > Custom painting (standard: RAL9003/ RAL3003)

FUNCTION

The vibrating motors, which are placed at the machine's center of gravity, cause the machine to vibrate evenly and horizontally. First, the product is distributed across the entire width of the machine in the product distribution box. On the upper sieve, coarse components are sorted out of the product. The coarse components move to the end of the machine and are finally led out of the side of the machine. The main product falls, together with fine impurities, onto the lower screen. While the cleaned main product is transported to the outlet at the end of the machine, the fine impurities fall through the sieve and are also led out of the machine at the side. Different capacities and different cleaning qualities can be achieved through different screen inclinations. Depending on the product, different sieves are used. The screens are self-cleaning thanks to the use of rubber balls.

FEATURES

- > High cleaning capacity with low energy consumption
- > Low building loads due to vibration decoupling of the moving machine body
- > Suitable for plenty different products and applications
- > Fast and easy sieve changing
- > Generous sight glasses for process monitoring
- > Suitable for use in potentially explosive areas (inside/outside)



TECHNICAL DATA

| Type | Capacity ¹ [t/h] | | Sieve Dimensions [mm] | | Motor-Capacity [kW] | Weight [kg] | | Volume [m³] |
|--------------|-----------------------------|----------|-----------------------|---------|---------------------|-------------|-------|-------------|
| | PRE-Cleaning | Cleaning | Width | Length | | Net | Gross | |
| RVSA-60/100 | 14 | 3 | 600 | 1.000 | 2x0,28 | 500 | 715 | 4,8 |
| RVSA-60/150 | 22 | 5 | | 2x750 | | 550 | 820 | 6,5 |
| RVSA-100/150 | 36 | 9 | 1000 | 2x1.000 | 2x0,4 | 620 | 940 | 8,7 |
| RVSA-100/200 | 50 | 12 | | | | 910 | 1.280 | 10,4 |
| RVSA-150/150 | 55 | 15 | 1500 | 2x750 | 2x0,95 | 960 | 1.380 | 13,4 |
| RVSA-150/200 | 75 | 20 | | 2x1.000 | | 1.010 | 1.490 | 16 |

¹ Capacities are non-binding values, which are based on wheat (0.75 kg/dm³).
The Capacity may vary depending on product, humidity, contamination and environmental conditions.

DIMENSIONS (MM)

| Type | A | B | C | D | E | F | G | ØH | ØJ | K | L |
|--------------|-------|-------|-------|-------|-------|-------|-----|-----|-------|-------|-------|
| RVSA-60/100 | 1.660 | 937 | 1.622 | 1.857 | 1.132 | 606 | 485 | 120 | 120 | 2.005 | 2.330 |
| RVSA-60/150 | 2.157 | | 1.790 | 2.030 | 1.632 | | | | | 2.500 | 2.830 |
| RVSA-100/150 | 2.633 | 1.337 | 1.790 | | 1.006 | 3.000 | | | | 3.330 | |
| RVSA-100/200 | | 1.622 | 2.120 | 150 | 2.500 | 2.830 | | | | | |
| RVSA-150/150 | 2.157 | 1.838 | 1.850 | 2.416 | 1.632 | 1.506 | 150 | 200 | 3.000 | 3.330 | |
| RVSA-150/200 | 2.633 | | | | 2.120 | | | | 3.000 | 3.330 | |