

# Separator Classifier.

MTRB



# Excellent separating efficiency. High quality.



**Separator MTRB**  
with aspiration channel MVSH.

## Application

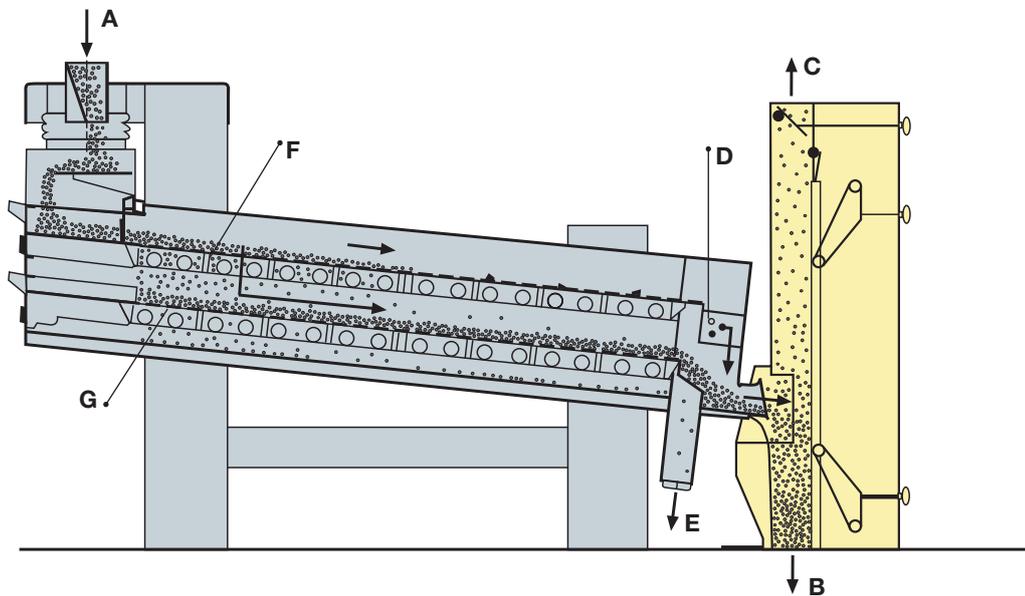
This machine, designed to meet high demands, is typically applied in flour mills and elevators (silos) for grain cleaning. Other sites and fields of application include: feed mills, seed cleaning plants, oilseed cleaning installations, cocoa bean and cocoa nibs grading systems in chocolate factories, etc.

## Design

The sieve box assembly, which is mounted on rubber springs supported by the machine frame, moves back and forth by two vibrators arranged at either side of the machine. The slope of the sieve box is adjusted to the specific application of the machine. The stroke and the angle of throw can be adjusted to suit special needs. The two sieve decks end at the front drawers and each are securely locked in place in the sieve box by two clamps. The second separating section for the coarse impurities is attached to the lateral outlet (top sieve). The machine outlet is matched to the various outlet aspiration systems available.

- Excellent separating efficiency
- High capacity
- Versatile applications
- Easy changing of sieves

High capacity.  
Low power requirement.



- A** Product inlet
- B** Product outlet
- C** Aspiration connection
- D** Lateral outlet for the coarse impurities  
(large kernels, strings, straw particles, etc.)
- E** Outlet for the fine impurities (brokens, sand, etc.)
- F** Coarse sieve
- G** Sand sieve

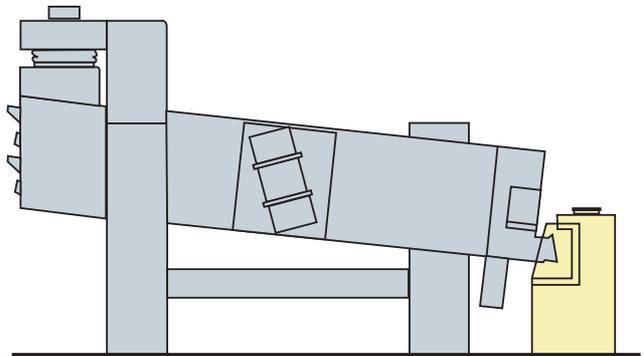
#### Mode of operation

The separator separates the grain from coarse and fine impurities by sifting. Low-density (light) particles in the grain can also be reliably removed by additionally applying an aspiration channel or an air-recycling aspirator. The product is fed to the machine through the central integral inlet. The adjustable distribution device in the inlet allows uniform spreading of the product to be achieved across the top sieve deck. The overs (tailings) of this sieve are directed to the lateral outlet, where an additional separation is made into coarse, nonusable impurities and fine, usable particles. After further grading on the second sieve deck, the overs (main product fraction) are fed either to the attached aspiration channel or air-recycling aspirator, or to a simple aspiration box, depending on the machine version.

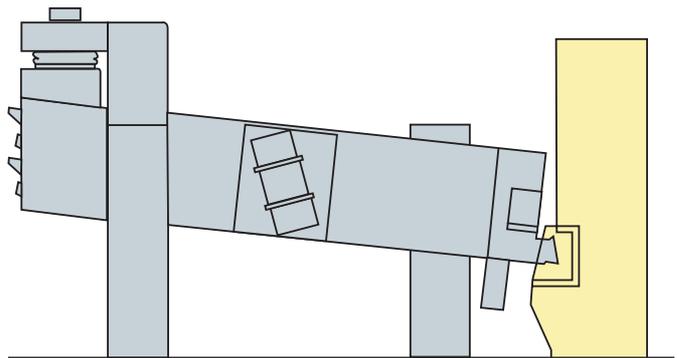
# Wide range of applications.

## Aspiration combinations.

### Machine combinations with various outlet aspiration systems



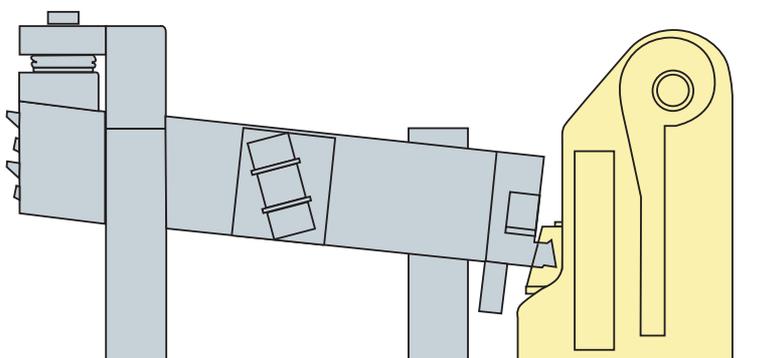
Separator with aspiration box



Separator with aspiration channel MVSH

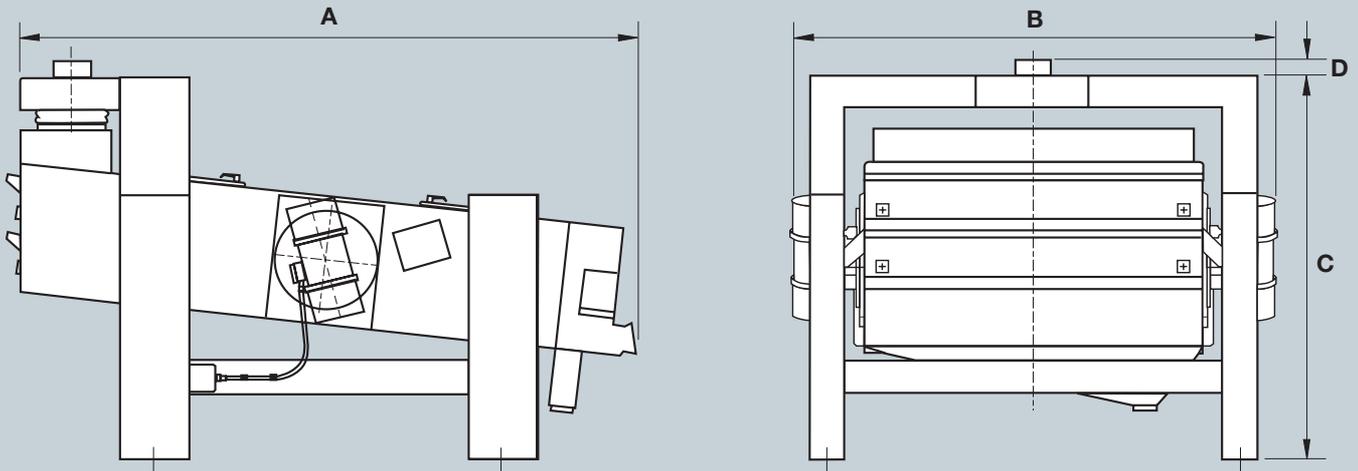
### Features

- Sturdy construction
- Easy operation
- Quick and easy changing of the sturdy sieves
- Adjustable stroke and angle of throw
- Low power requirement
- Minimum maintenance
- Easy-to-replace wear parts
- No lubrication points



Separator with air-recycling aspirator MVSQ

# Grading and classifying. Efficient cleaning.



## Technical data

Type	Capacity in t/h *		Dimensions in				Approx. weight in kg			Volume seap. m <sup>3</sup>
	Cleaning	Silo	A	B	C	D	net	gross	by sea	
MTRB-100/100	8		1780	1610	1630	70	810	990	1080	5.5
MTRB-100/100 S		33	1780	1610	1630	70				
MTRB-100/200	16		2745	1610	1730	70	1030	1260	1380	10
MTRB-100/200 S		66	2625	1610	1930	110				
MTRB-150/200	24		2745	2180	1730	70	1340	1650	1820	12
MTRB-150/200 S		100	2625	2180	1930	110				

\* The specified capacity data refers to wheat and rye with normal amount of impurities (2 to 3%).

Capacities for corn (maize) 90%

Capacities for barley 80%

The specified capacity data for storage elevator (silo) cleaning systems refers to peak values that are achieved with uniform product feed to the separator, maximum moisture of 15% and normal amount of impurities.

In the case of dirty wheat with a high moisture content and a high degree of impurities, the following approximate capacities will apply:

15–18% H <sub>2</sub> O	65–70%
18–22% H <sub>2</sub> O	55–60%
above 22% H <sub>2</sub> O	maximum 50%

