



MTRA/MVSF  
**Separator  
Classifier/  
Aspirator.**

# Excellent Separating Efficiency

## Separator Classifier MTRA.



MTRA Classifier with aspiration channel MVSF

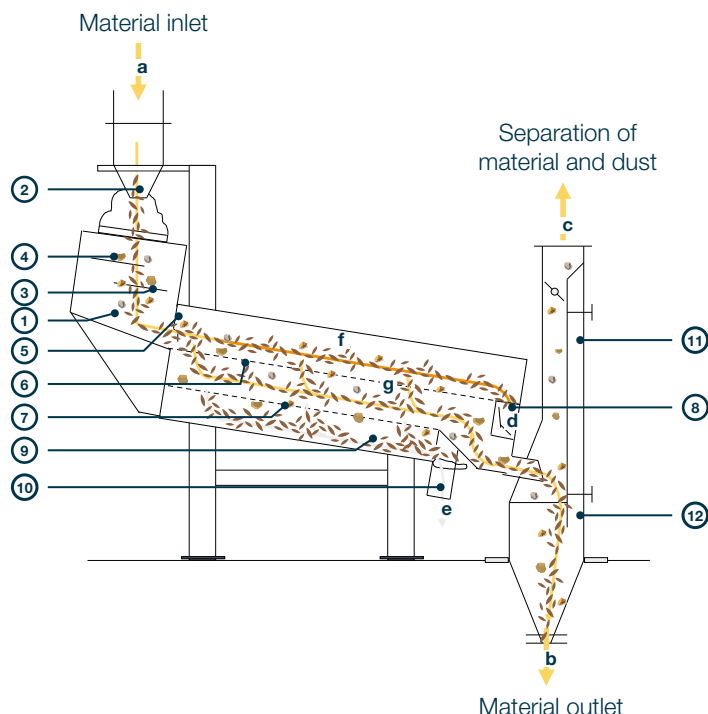
### Application

The fact that the stroke, the angle of throw and the screen inclination of the MTRA CLASSIFIER are adjustable, allows this separator to be used for an exceptionally large variety of applications, for instance:

- Classification of by-products
- Mill cleaning application for Paddy & Rice
- Cleaning, Sizing and grading option in Pulse processing
- Separation of impurities in variety of grains & seeds.

### Features

- Free-swinging sieve with unidirectional screen motion, supported on hollow rubber cylinders
- Drive by means of vibrators located in the center of gravity of the machine
- Adjustable angle of throw
- Adjustable stroke
- Screen inclination preset at the works, made to suit the place of application, adjustment to between 2° and 12°
- For special applications: with continuously variable screen slope adjustment, from 2° to 6°
- Modular design



## Working principle

The stock is fed by a gravity spout into the center of the inlet box oscillating with the machine (1). An eccentric cone (2) is installed into the end of the inlet spout; by turning it, the stream of material can be directed accurately into the center of the machine. A distribution baffle (3) with adjustable slide gate (4) distributes the stock across the entire width of the screen. For lower capacities, e.g. in flour mills and seed treatment plants, the machine is equipped with a distribution flap (5) ahead of the screen, which ensures accuracy of final distribution. Once past this flap, the stock flows over the upper screen (6). The throughs from this first screen drop onto the lower screen (7), while the overs are discharged laterally through the outlet section (8). The throughs of the second screen drop onto the bottom (9), being removed at the center of the outlet section of the machine (10). The overs from the second screen (7) are directed through the outlet section to the tail-end aspirator, type MVSF (11), or to the aspiration box (12).

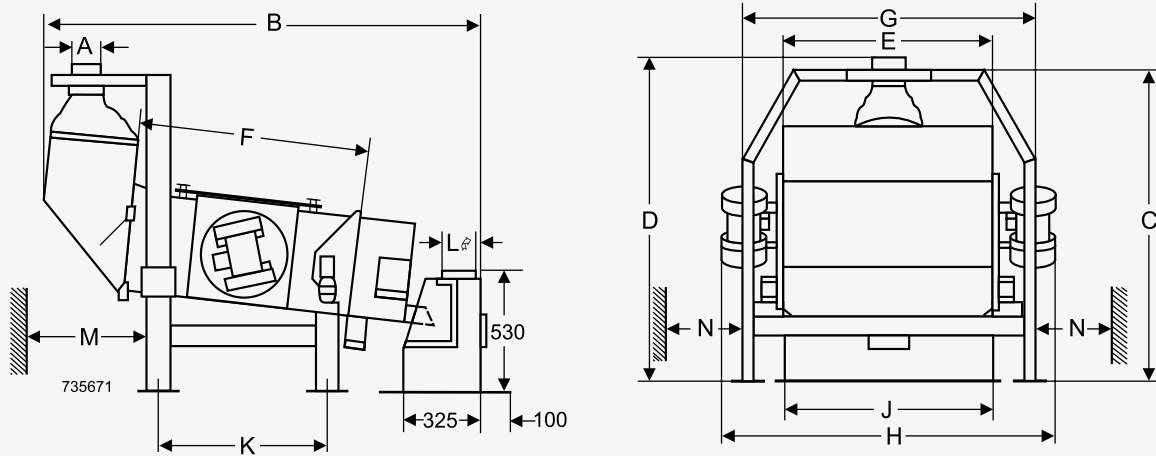
## Longitudinal section

- a** Material inlet
- b** Material outlet
- c** Connection for aspiration of the machine
- d** Lateral outlet for the coarse impurities (large grains, strings, straws, etc.)
- e** Outlet for the fine impurities, in the center of the machine (broken grain, sand, etc.)
- f** Coarse sieve
- g** Sand sieve

**CLASSIFIER, type MTRA-100/100 A**, with inlet swung down and screens partially extended. By swinging down the inlet, easy screen change and optimum accessibility for cleanout is ensured.

# Technical Specifications.

## MTRA Separator Classifier



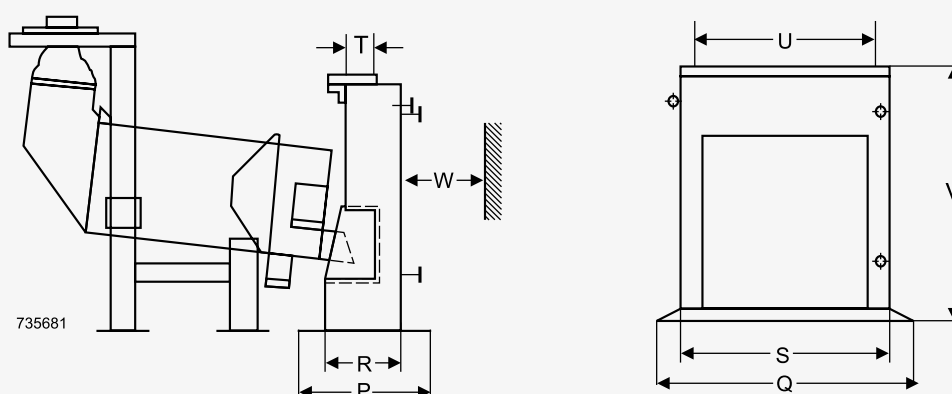
Capacity data of the type **without** outlet aspirator

TYPE	Max.capacity t/h* Elevator (silo)	Max. capacity t/h* Cleaning system	Air volume m <sup>3</sup> /min*
MTRA-100/100	33	8	6
MTRA-100/200	66	16	10

## Dimensions and weight.

Type MTRA without outlet aspirator	Dimensions for sketch in mm														Screens in cm		Approx. Weights in kg			Volume sea-worthy pack m <sup>3</sup>			
	A		B		C		D		E	F	G	H	J	K	L	M	N	Width	Length		Net	Gross	By sea
	Cleaning	Elev.	Cleaning	Elev.	Cleaning	Elev.	Cleaning	Elev.															
MTRA - 100/100	120	150	1842	1842	1373	1373	1443	1443	1000	1000	1450	1610	1282	745	1x150	1500	500	100	100	420	585	670	5.4
MTRA - 100/200	120	200	2836	2776	1477	1660	1547	1770	1000	2x1000	1450	1610	1282	1745	1x150	1500	500	100	2x100	550	800	925	8.8

## MVSF Aspirator



Capacity data of the type **with** type MVSF outlet aspirator

Model	Capacity for Paddy (mill cleaning)	Capacity for Rice (mill cleaning)	Aspiration Requirement [cu. m / min]	Pressure Drop [mm WC]
MTRA (B) 100 / 100 AG	3-4	5-6	90	50
MTRA (B) 100 / 200 AG	6-8	10-12	90	50

Capacity in Tons/ Hour

## Dimensions and weight.

Model	Fits MTRA size	Air volume m <sup>3</sup> /min	Neg. pressure after air control valve mm WG	Dimensions for sketch in mm								Approx. weights in kg			Volume sea-worthy packing in m <sup>3</sup>
				P	Q	R	S	T	U	V	W min.	net	gross	By sea	
MVSF-100	100/100 100/200	52	50	525	1205	320	1000	75	950	1450	600	100	185	225	1.5
MVSF-100G		90	50	625	1205	420	1000	175	950	1450	600	110	200	245	1.7

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MU 18106 en 0818 Z&B 183415