



▶ Vibration Screen Separator PVT

▶ Aspiration Channel PAS(R)

Vibration screen separator with attached aspiration channel is designed for cleaning and pre-cleaning of all agricultural crops from impurities and admixtures. It is destined for high capacities and continuous run.

The screen separator is fitted with pair of screens, which ensure separation of over and undersize impurities from granular materials. Sieves are cleaned by flexible balls. High frequency vibrations are generated by a pair of electric vibrators which results in high quality cleaning at large capacities.

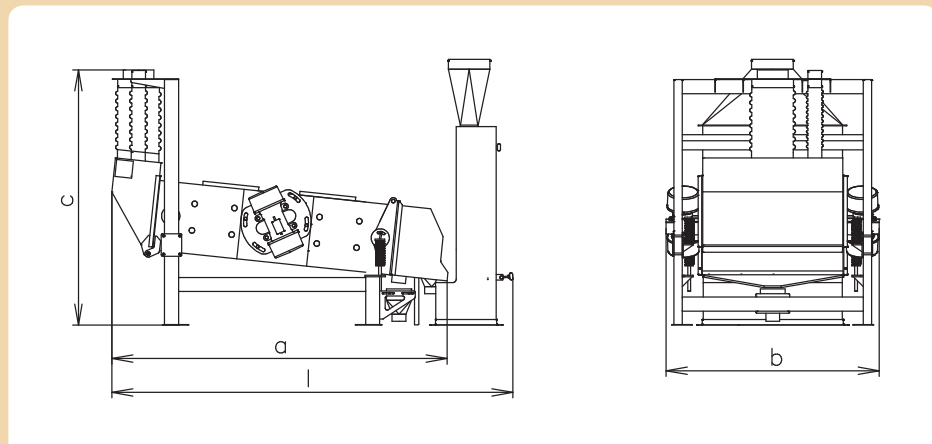
Different screens are used for different materials. Various outlet aspiration systems can be matched to the machine following screens cleaning: an open circuit aspiration channel PAS, a closed circuit air channel PASR, or simple exhaust box.

Aspiration channel PAS removes light impurities and dust by air. Adjustable back channel wall allows accurate separation setting. Built-in permanent magnet separates metal impurities. It is necessary to exhaust air from aspiration channel and clean it. Air-recycling aspirator type PASR with built in air fan and dust separator reduces demand on air exhausted.

The closed construction of these machines and aspiration prevents any dusting out.

For special applications only vibration screen separator PVT or only aspiration channel PAS can be supplied.

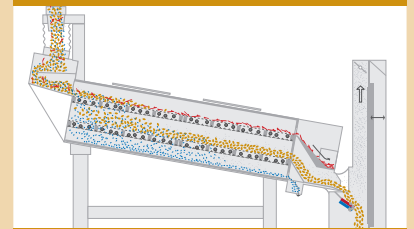
Machines are produced and supplied with different auxiliaries: pre-suction before screen cleaning, deawner, debearder, additional sieve for cleaning of bottom sieve through, aspiration of impurities outlets, and other.



Dimensional Scheme



Vibration Screen Separator PVT with attached Aspiration Channel PAS



Functional Diagram

Advantages:

- Compact, sturdy construction
- High capacity
- Excellent cleaning efficiency
- Sturdy sieves with simply and efficient cleaning by flexible balls
- Dust-free operation
- Low power consumption
- Easy installation and commissioning
- Easy operation, low maintenance
- Easy and quick changing of sieves

Type of Machine		21020	1520	1020	1001	1000	800	500	
Parameter	Units								
Main Dimensions PVT	Length (a)	m	3,4	3,5	2,7	2,7	2,4	2,0	1,8
	Length (l)	m	4,0	3,2	3,1	2,9	2,5	2,3	
	Width (b)	m	1,7	2,3	1,7	1,7	1,6	1,4	1,1
	Height (c)	m	4,2	3,5	2,1	2,1	1,9	1,6	1,5
Capacity for Pre-cleaning		m	160	100	100	50	25	8	
Capacity for Industrial Cleaning		t/h	100	80	50	-	25	12	4
Capacity for Fine Cleaning*		t/h	60	40	25	-	12	6	2
Screen Area		m ²	13,6	12,5	6,8	3,4	3,4	1,9	0,8
Power Input (PVT)		kW	2,2	2,2	1,1	1,1	1,1	0,5	0,5
Weight (PVT)		kg	1850	2480	1110	1090	675	490	345
Air Consumption (PVT)		m ³ /s	0,8	0,6	0,4	0,4	0,3	0,2	0,1

Technical alteration reserved. * Capacity data are valid for wheat bulk weight 750 kg/m³, moisture max. 16%. All the machines are combined cleaners and pre/cleaners except PVT 1001.

Applications:

- Precleaning of grain in flour mills, silos (elevator) and granaries
- Cleaning (separating) in flour mills and silos
- Sorting of barley in malting plants
- Grain cleaning in agriculture (postharvest lines)
- Cleaning of seeds for sowing
- High efficiency cleaning and sorting of grain and seeds in cleaning plants, oilseed industry, etc.
- Cleaning and sorting of different products (sugar, salt, cocoa bean, cocoa nibs, chocolate, herbages, rubber, plastics, waste)
- Cleaning and sorting of different granulated products in industry lines