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GRAVIMETRIC SEPARATOR

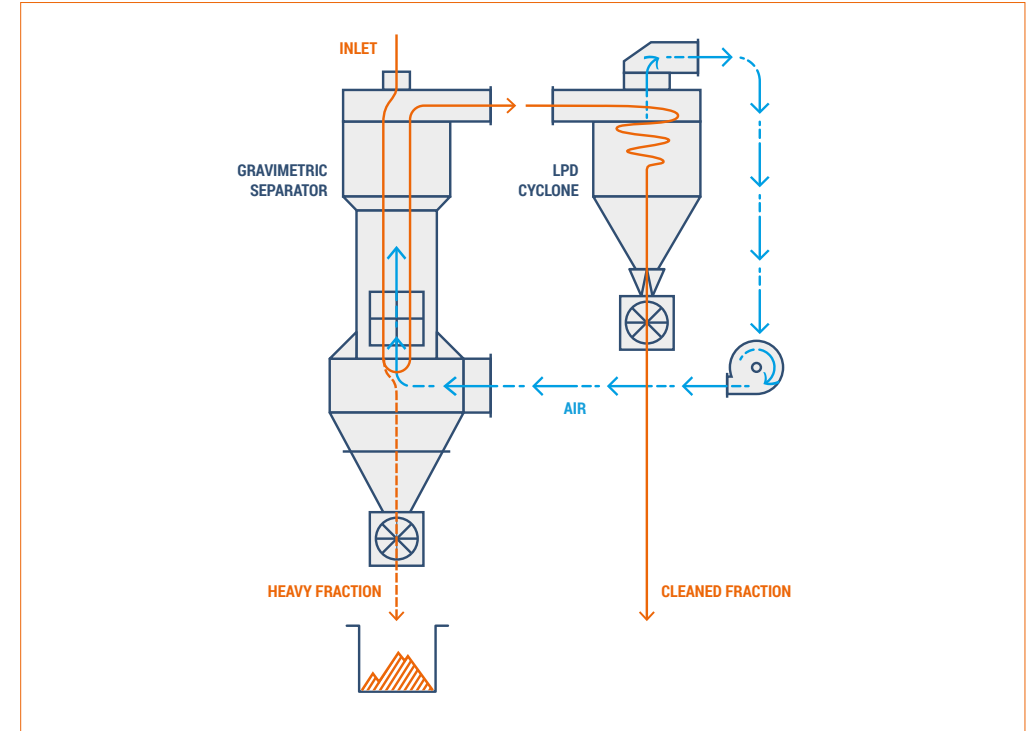
 ENGLISH



Gravimetric separator



The gravimetric separator is a very efficient device for the separation of any polluting substances that might be present in the wood chips. Its action is due to a different density of the particles. The polluted material is introduced at the top of the separator and falls down for the effect of gravity into a counter air flow. The wooden material, which is lighter, remains suspended in the air flow and gets cleaned. The cleaned wood chips are then transported to a cyclone. The heavier pollutants (little stones, glass, plastic, etc.) fall to the bottom of the separator and are extracted by a rotary valve to be discarded.



Advantages

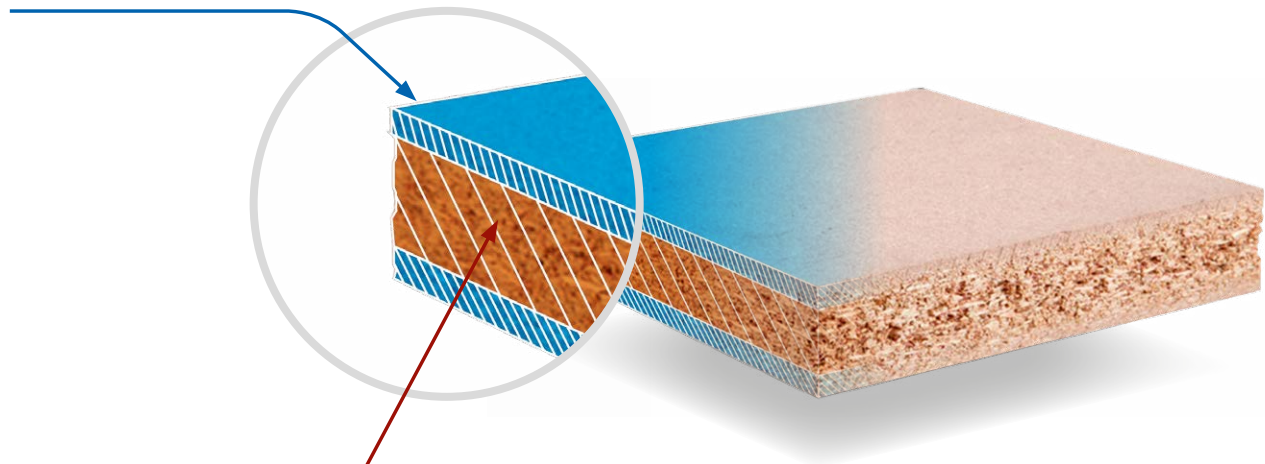
- Ideal for cleaning
- Extraordinary cleaning efficiency
- No wear
- No maintenance required
- Easy to regulate
- Constant efficiency
- Low energy consumption

Surface layer

- Higher water resistance
- Increasing of sanding belts life time
- Both surfaces extremely fines, homogeneous and smooth
- Surfacing with very fine papers
- Decreasing of reject boards

Core layer

- Excellent homogeneous core layer
- Optimized density profile
- Thin and clean particles
- Excellent post-formability
- Saving of wood and glue





> Typical rejects

Pollutants separator for wet particles						
Type	Capacity		Bulk density	Main dimensions	Cyclone	Installed power
	Kg/h F2-th. 2-2,5mm	Kg/h F3-th. 4-6mm	Kg/m³	DN (mm)	DN (mm')	kW*
WPS 1	2750	3000	250 - 300	1500	1400	22
WPS 2	3850	4200		1900	1600	30
WPS 3	5500	6000		2200	2000	45
WPS 4	6600	7200		2500	2200	55
WPS 5	8250	9000		2700	2500	75
WPS 6	11000	12000		2900	2800	90
WPS 7	13200	14400		3100	3000	110
WPS 8	16500	18000		3700	3200	132
WPS 9	22000	24000		3700	3500	160
WPS 10	33000	36000		4100	4100	250
WPS 11	66000	72000		5300	2x 4100	400

Pollutants separator for dry particles						
Type	Capacity		Bulk density	Main dimensions	Cyclone	Installed power
	Kg/h Core Layer	Kg/h Surface Layer	Kg/m³	DN (mm)	DN (mm')	kW*
DPS 1	2500	1750	120 - 150	1500	1250	18,5
DPS 2	3500	2450		1900	1400	22
DPS 3	5000	3500		2200	1800	37
DPS 4	6000	4200		2500	1900	45
DPS 5	7500	5250		2700	2200	55
DPS 6	10000	7000		2900	2500	75
DPS 7	12000	8400		3100	2700	90
DPS 8	15000	10500		3700	2800	110
DPS 9	20000	14000		3700	3200	132
DPS 10	30000	21000		4100	3800	200
DPS 11	60000	42000		5300	2x 3800	355

Not binding data. We reserve the right of modification at any time without prior notice. *According to the project parameters and lay out.

NOTES



