



• MDF • PB • PALLET BLOCKS • PELLETS • WASTE • LIME



IMAL  
PAL  
GROUP

## AIR SIFTERS

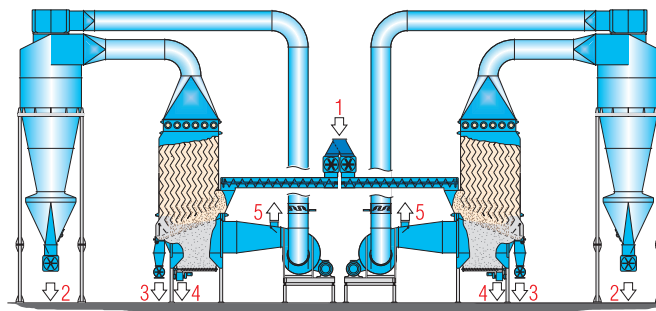
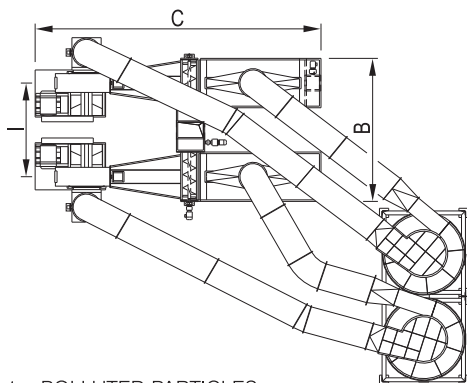
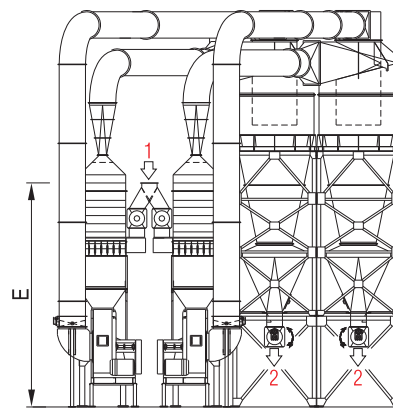
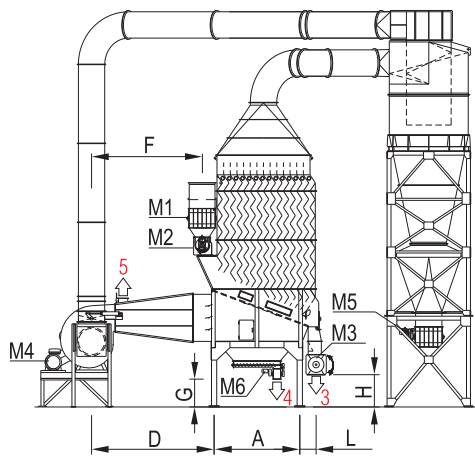
### AIRGRADER – DOUBLE MACHINES

#### TECHNICAL FEATURES

- Classifying chamber complete with: infeed system – inclined fluidizing screen – zigzag channels – suction hopper connected to the cyclone – outfeed device for rejected particles – discharge system for heavy pollutants • Fan
- Cyclone for accepted particles • AF - Fire extinguishing system • AE - Explosion protection system.

#### BENEFITS

- High efficiency in classification • The turbulence generated by the zigzag channels ensures the thick-large (jumbo) particles to drop (that are improperly sucked and classified as accepts by other selectors) • Selection limit freely adjustable • Excellent removal of heavy pollutants • Highly reliable • Low maintenance.



- 1= POLLUTED PARTICLES
- 2= ACCEPTS, CLEANED THIN PARTICLES
- 3= REJECTS, THICK PARTICLES
- 4= SAND / HEAVY POLLUTANTS
- 5= EXHAUST AIR

- M1= FEEDING SCREW
- M2= ROTARY VALVE IN
- M3= ROTARY VALVE REJECT EXTRACTION

- M4= FAN DRIVE
- M5= ROTARY VALVE OUT
- M6= ROTARY VALVE SAND EXTRACTION



2



3



4

MODEL	OVERALL DIMENSIONS mm									
	A	B	C	D	E	F	G	H	I	L
10,6 M	3258	4900	10043	3800	8697	3315	1200	1426	3394	570
12,4 M	3258	5400	10043	3800	3265	3265	1200	1326	3644	570
15,0 M	3258	6100	9986	3800	8796	3265	1200	1226	3994	570
16,6 M	3763	6210	10455	3847	9032	3304	1200	1643	4104	570
18,0 M	3717	6760	10548	3800	9185	3265	1200	1622	4500	616
20,0 M	3763	8100	12155	4765	8694	4185	1007	1326	5400	570

Cyclone and pipe have to be sized and located according to the process data for processed material and outfeed position

MODEL	CAPACITY t/h		INSTALLED POWER kW						EXHAUST AIR m <sup>3</sup> /h	WEIGHT* APPROX. kg
	SAWDUST/SHAVINGS	OVERSIZE DRY PARTICLES	M1	M2	M3	M4	M5	M6		
10,6 M	38,2	38,2	2 x 5,5	2 x 7,5	2 x 1,5	Information available according to processed material and cyclone distance.	2 x 5,5	2 x 0,75	Information available according to processed material.	28000
12,4 M	44,6	44,6	2 x 5,5	2 x 7,5	2 x 3,0		2 x 5,5	2 x 0,75		30000
15,0 M	54,0	54,0	2 x 5,5	2 x 7,5	2 x 3,0		2 x 5,5	2 x 0,75		32000
16,6 M	59,8	59,8	2 x 5,5	2 x 9,2	2 x 3,0		2 x 5,5	2 x 0,75		33400
18,0 M	64,8	64,8	2 x 5,5	2 x 9,2	2 x 3,0		2 x 5,5	2 x 0,75		36200
20,0 M	72,0	72,0	2 x 5,5	2 x 9,2	2 x 3,0		2 x 5,5	2 x 0,75		38400

\*Weight without piping and cyclone