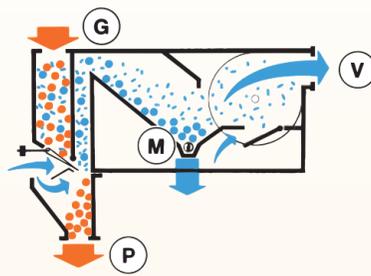


ASPIRATORS



FLOW DIAGRAM

- Air flow
- Raw sample
- Heavier rejects
- Light rejects

MAROT Aspirators are designed to remove light impurities from the grain and at the same time separate the heavy aspirated material from the light dust.

They are used as single machines or in conjunction with a pre-cleaner or non aspirated cleaner.

The raw sample is introduced into the machine via the feed hopper (G) and spread into a curtain flow by means of an

adjustable baffle. Air is drawn through the grain drawing off the light impurities. A feed roller assists the regular flow of grain. In the aspiration chamber the heavier particles drop out of the airflow and are discharged by a screw (M). The lighter aspirations being exhausted via the fan (V).

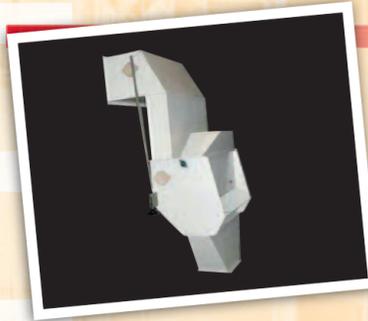
These compact pre-cleaners are simple to integrate into an intake system with throughputs from 70 to 500 t/h.

ASPIRATOR RANGE

Models	Throughput* (t/h)		Aspiration		Auger	Power Machine Details	Fan	Dimensions			Volume m ³	Weight (kg) empty
	Pre-cleaning	Cleaning	m ³ /h	mm CE				Length	Width	Height		
A 350	45	40	6000	50			2,2	2120	1295	1290	3,5	250
A 510	90	70	6000	50			3	2590	1490	1685	6,5	350
A 2010	200	200	12000	50	0,37	0,37		2635	2300	2245	13,6	660
A 3010	300	250	16000	50	0,37	0,37		2914	2700	2745	21,6	980
A 4010	500	400	22000	50	0,75	2 x 0,37		3185	2595	2855	23,6	1220

*based on material density 750kg/cuM at 16% MC, containing maximum 2% impurities

DUST ASPIRATION



FLOW DIAGRAM

MAROT dust aspirators are designed for simple "in-line" dust. The grain is spread in a uniform curtain through which the air is drawn. The proportion of light impurities lifted from the grain is adjusted by varying the airflow by way of a flap which allows outside air to be bled into the upper chamber prior to the fan.

Given their small overall dimensions, BD aspirators can be very easily inserted into a handling line.

- Grain
- Dust

Air flow

DUST ASPIRATOR RANGE

Model	Throughput* (t/h)	Aspiration		Power HP	Dimensions			Volume (m ³)	Weight (kg)	
		Airflow (m ³)	Pressure mm CE		Length	Width	Hgt.		Empty	Loaded
BD 600	60	2700	50	1,5	1500	500	1420	0,22	90	50
BD 1000**	100	6000	50		2436	720	1330	0,40	110	85
BD 2000**	180	12000	50		2760	1100	1985	1,50	150	200

*Throughput on Wheat (0,75 t/m³) at 16 % MC containing not more than 2% impurities

** Without fan



EQUIPMENT DESIGNED TO FULFILL YOUR NEEDS

Duty required	Recommended machine	Indicative performance											
		Wheat		Barley		Maize		Rice		Sunflower		Peas	Rape
		15 %	15 %	15 %	35 %	12 %	22 %	12 %	20 %	16 %	10 %		
Dust aspiration	BD 600	60	40	60	35	15	10				60	30	
	BD 1000	100	80	90	60	25	15				100	50	
	BD 2000	180	160	180	150	50	30				180	90	
Aspiration pre-cleaning	A 350	40	30	40	30	20	15	20	15	40	20		
	A 510	70	55	70	50	25	20	30	25	70	30		
	A 2010	200	180	200	150	100	70	100	70	200	100		
	A 3010	250	220	250	200	120	90	120	90	250	120		
	A 4010	400	350	400	300	200	140	200	140	400	200		
	PN 601	60	40	60	35	10	7	15	10	40	10		
Screen pre-cleaning	PN 1002	100	70	100	60	15	10	25	20	100	20		
	PN 1253	125	90	125	90	30	20	40	30	125	35		
	PN 1503	200	170	200	150	50	35	65	50	200	60		
	PN 2004	250	210	250	200	90	60	100	80	250	90		
	PN 3003	300	210	250	250	90	60	100	80	250	90		
	PN 4004	400	350	400	300	160	100	160	120	350	150		
Aspiration and screen cleaning	PN 601/BD 600	60	40	60	35	15	10				60	10	
	PN 1002/ BD 1000	100	80	100	60	25	15				90	20	
	PN 1503/ BD 2000	180	160	180	150	50	30				180	50	
Cleaning	EAC 53	5	3	5		2		3	2	5	2		
	EAC 153	15	12	15		6	4	8	6	15	6		
	EAC 354	25	20	25		10	6	12	9	25	9		
	EAC 503	50	35	50		20	12	25	20	50	20		
	EAC 704	70	50	70		25	16	30	25	70	25		
	EAC 1103	110	110	130		40	25	65	50	130	40		
	EAC 2004	200	170	200		70	50	80	65	200	70		
	EAC 2505	250	210	250		85	65	100	75	250	90		
	EAC 3003	250	190	220		75	55	90	70	220	80		
	A 4010 / C4. 1610	300	250	300		100	80	140	110	300	150		
A 4010 / C5. 1610	400	350	400		140	110	200	150	400	200			

The outputs shown are indicative based upon an incoming sample containing 2% impurities. Outputs may vary according to variety, moisture content, and quantity and nature of impurities in the raw sample. Our research and development department is at your disposal for any assistance in the determination of your requirements.

PURITY MEANS QUALITY !



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MAROT



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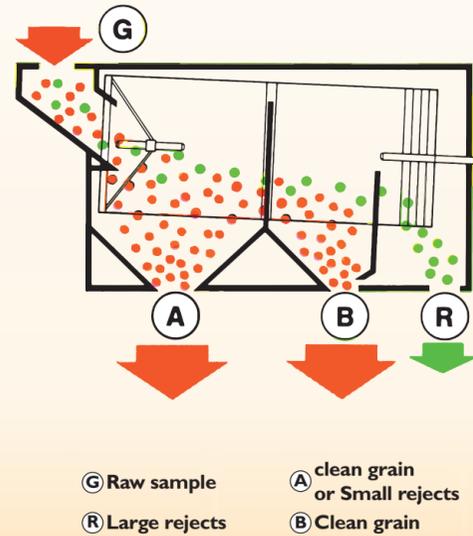


Owner of the brands : **LAW** **MAROT** **OMNIUM** **satig** **SAGAT**

SCREEN PRE-CLEANERS



FLOW DIAGRAM



G Raw sample
R Large rejects

A clean grain or Small rejects
B Clean grain

MAROT pre-cleaners are designed for simple and rapid removal of large impurities and rubble in grain. The PN is essential prior to a dryer to avoid blockage and unnecessary expenditure in energy. Grain enters the rotating drum, and the grain passes through the screen perforations leaving the large rubble to be overtailed at the end. The choice of screen perforation size depends upon the duty and the type of commodity, to be pre-cleaned. PN 1002, 1253, 1503, 2004, 3003 and 4004 enable small trash to be rejected at the first screen position. The large screen area whose perforations are kept clear of rubbish outputs of 35 to 400 t/h can be obtained. Aspiration in various forms can be added.

PRE-CLEANER RANGE

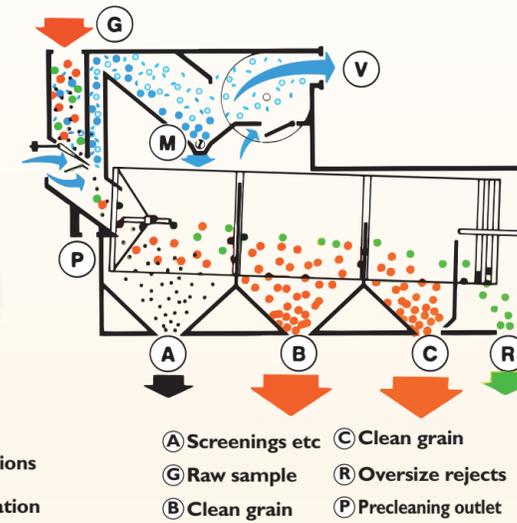
Models	PN 601	PN 1002	PN 1253	PN 1503	PN 2004	PN 3003	PN 4004	PN 5005
Output* (t/h)	35	60	90	150	200	250	300	400
Number of screens	1	2	3	3	4	2	4	5
Drum diameter	805	805	805	1260	1260	1610	1610	1610
Screen area (m ²)	2,50	5	7,5	12	16	15	20	25
Power (kW)	2,2	2,2	2,2	4	4	11	11	15
Length (mm)	2420	3570	4720	4612	5755	5231	6381	7531
Width (mm)	1120	1120	1120	1700	1700	2000	2000	2000
Height (mm)	1660	1660	1660	2175	2175	2500	2500	2500
Packed volume (m ³)	4,5	6,6	8,8	18,3	22,6	26,2	32	38
Weight (kg)	540	770	960	2010	2260	3300	4000	4700

* Pre-cleaning output WHEAT at 35 % MC

CLEANER GRADERS



FLOW DIAGRAM



Air flow
Light aspiration
Heavy aspiration

A Screenings etc
B Clean grain
C Clean grain
R Oversize rejects
P Precleaning outlet

MAROT EAC machines remove light material as well as separating good quality grain from screenings and trash. These operations are carried out by a double aspiration system followed by a rotary drum. The incoming commodity creates a uniform curtain of grain, through which air is drawn. The quantity of light aspirations lifted from the incoming grain is adjusted by regulating the airflow. The heavy aspiration falls from the airflow and is deposited into the bottom of the aspiration chamber from where they are extracted by a screw. The lighter rejects are blown out by the fan (V). If

aspiration only is required, the product can be discharged at (P). After aspiration the product is fed into the rotating drum. Screens to suit any particular product may be fitted. The first screen removes split grains, sand etc..., successive screens allowing the final product to pass. Oversize particles overtail and discharge at the end. The very large choice of screen combinations give great flexibility of use on any type of grain or pulse, together with outputs from 5 to 400 t/h. When operated as a grader, the final sample is overtailed through (R), and the small seeds pass through the screens.

CLEANER GRADER RANGE

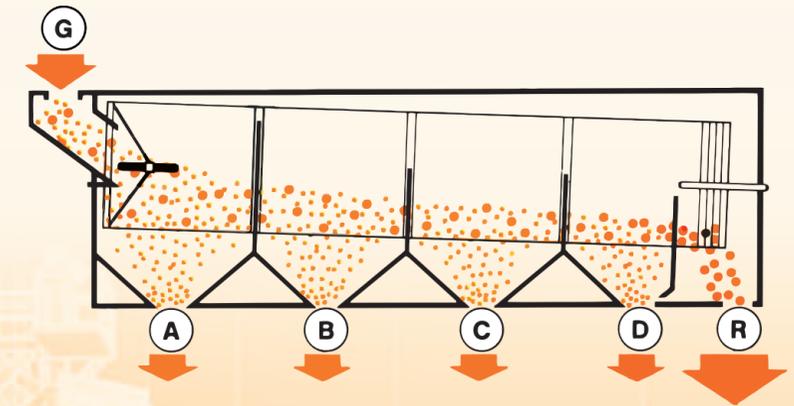
Models	EAC 53	EAC 153	EAC 354	EAC 503	EAC 704	EAC 1103	EAC 2004	EAC 2505	EAC 3003	A4010/ C4.1610	A4010/ C5.1610
Output* (t/h)	5	15	25	50	70	110	200	200	250	300	400
Number of screens	3	3	4	3	4	3	4	5	3	4	5
Drum diameter	460	630	630	805	805	1260	1260	1260	1610	1610	1610
Screen area (m ²)	2,2	3,9	5,2	7,6	10	12,9	15,9	20	15	20	25
Fan output (m ³ /h)	3500	6000	6000	6000	6000	12000	12000	12000	16000	22000	22000
Power (kW)		1,1	1,1	2,2	2,2	4	4	5,5	11	11	15
Machine Details						0,37	0,37	0,37	0,37	2x0,37	2x0,37
Drum power (kW)	0,75	2,2	2,2	3	3						
Auger power (kW)						0,37	0,37	0,37	0,37	0,37	0,37
Length (mm)	2480	3130	3804	4960	6110	4620	5870	7055	5551	6863	8013
Width (mm)	762	1295	1295	1490	1490	2300	2300	2300	2700	3180	3180
Height (mm)	1292	1990	1990	2720	2720	3520	3520	3520	4045	6340	6340
Packed volume (m ³)	2,5	8,3	10	14,8	17,5	32,1	36,2	40,3	47,8	55,5	61,2
Weight (kg) empty	280	650	770	1240	1370	3085	3335	3585	4700	5700	6000

* Output WHEAT (0,75 t/m³) at 16 % MC not greater than 2 % impurities

GRADERS



FLOW DIAGRAM



G Input sample
R Malting sample

A B C D Undersize grading

GRADER RANGE

Models	3/630	4/630	5/630	3/805	4/805	5/805	3/1260	4/1260	5/1260	3/1610	4/1610	5/1610
Output* (t/h)	3	4	6	10	14	18	20	30	40	35	45	60
Number of screens	3	4	5	3	4	5	3	4	5	3	4	5
Drum diameter	630	630	630	805	805	805	1260	1260	1260	1610	1610	1610
Screen area (m ²)	3,9	5,10	6,40	7,50	10	12,50	12	16	20	15	20	25
Drum power (kW)	0,75	0,75	0,75	2,2	2,2	2,2	4	4	5,5	11	11	15
Length (mm)	2981	3656	4330	4720	5870	7020	4995	6105	7255	5231	6381	7531
Width (mm)	868	868	868	1120	1120	1120	1700	1700	1700	2000	2000	2000
Height (mm)	1170	1170	1170	1660	1660	1660	2175	2175	2175	2500	2500	2500
Packed volume (m ³)	3	3,7	4,4	8,8	11	13	18,5	22,6	26,8	26,2	31,9	37,6
Weight (kg) empty	435	520	605	960	1170	1380	2010	2260	2510	3300	4000	4700

* Output grading MALTING BARLEY (0,60t/m³) - 2 grade - over 2,5 mm