

MAXI-CAP GRAVITY SEPARATORS

OliverTM
Processing for a more productive planet.

UNEXCELLED COST EFFICIENCY ON THE HIGHEST VOLUME SEPARATION INSTALLATIONS

Separate the highest capacities of similar-sized materials (seed, grain, precious metals, plastics, stone or sand, ½" in diameter or less) from variations and impurities by density with outstanding efficiency. Add value to a variety of products with the most copied gravity separator worldwide, the all-time leader in customer satisfaction and longevity. Oliver's legendary *Maxi-Cap Gravity Separator* is designed and constructed to deliver decades of reliable and predictable service.



- Maximum capacity
- Low maintenance
- Separates greater quantities faster and more efficiently
- Longest warranty in the industry — 3 years
- Fast service and tech support turnaround from our USA plant

Model	2400	3000	3600	4800
Height	92" (234 cm)	96" (244 cm)	96" (244 cm)	102" (259 cm)
Width	97" (246 cm)	113" (287 cm)	113" (287 cm)	125" (318 cm)
Length	134" (340 cm)	135" (343 cm)	158" (401 cm)	194" (493 cm)
Deck size	48" x 120" (122 x 305 cm)	60" x 120" (152 x 305 cm)	60" x 144" (152 x 366 cm)	72" x 180" (183 x 457 cm)
Weight	5,000 lbs (2,268 kg)	5,400 lbs (2,450 kg)	5,800 lbs (2,631 kg)	7,600 lbs (3,448 kg)
Shipping tare	5,200 lbs (2,359 kg)	5,600 lbs (2,540 kg)	6,000 lbs (2,722 kg)	7,800 lbs (3,538 kg)

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Machine specifications	2400	3000	3600	4800
Power requirements @ 480v	26 Amps	26 Amps	33 Amps	41 Amps
Fan motor horsepower	15 hp (11.2 kW)	15 hp (11.2 kW)	20 hp (15 kW)	25 hp (19 kW)
Deck motor horsepower	1.5 hp (1.1 kW)	1.5 hp (1.1 kW)	1.5 hp (1.1 kW)	1.5 hp (1.1 kW)
Blender drive motor horsepower	1 hp (0.75 kW)	1 hp (0.75 kW)	1 hp (0.75 kW)	1 hp (0.75 kW)
Hydraulic pump	0.5 hp (0.37 kW)	0.5 hp (0.37 kW)	0.5 hp (0.37 kW)	0.5 hp (0.37 kW)

Fans <ul style="list-style-type: none"> Multiple fan air supply Individually adjustable for air volume and distribution Patented fan design for optimal particle concentration 	Safety <ul style="list-style-type: none"> Wiring protection Fully enclosed rotating assemblies OSHA-compliant machine guarding OSHA-compliant catwalks with handrails 	Screen options <ul style="list-style-type: none"> Carbon steel, coated steel and coated mesh Tonne-Cap Stainless steel available for edible products Iso-Flex overcover for large particles
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Operations

Control parameters	<ul style="list-style-type: none"> Hydraulically controlled air volume control gates, deck side tilt and end raise (slope) High side material bypass gates for process optimization 	<ul style="list-style-type: none"> Electronically controlled eccentric speed Product feed rate (All safely adjustable during operation)
Separation range	<ul style="list-style-type: none"> <5% by weight Machine available in 2 configurations depending on light or heavy material configurations: <ul style="list-style-type: none"> – “A” for heavy – “B” for light, reduced fan speed, different deck configuration 	
Dust control	<ul style="list-style-type: none"> Aspirating feeder Optional full or partial dust hood with built-in feed and exhaust air adjustments 	
Discharge hopper configuration	<ul style="list-style-type: none"> Standard — 3-spout 	<ul style="list-style-type: none"> Optional — 2-, 4- or 5-spout hoppers
Maintenance	<ul style="list-style-type: none"> Recommended lubrication interval — 12 months or 2,000 hours of operation 	
Warranty	<ul style="list-style-type: none"> 3 years — longest in the industry 	

Performance — capacity, air flow requirements

Agricultural material	2400	3000	3600	4800
Coffee, green beans (1/4" – 3/8")	15,000 lbs/hr 16,000 CFM	18,000 lbs/hr 18,000 CFM	27,000 lbs/hr 22,000 CFM	40,000 lbs/hr 28,000 CFM
Large particle (1/4" – 3/8") Beans, corn, peas (10 mesh deck)	15,000 lbs/hr 16,000 CFM	22,000 lbs/hr 18,000 CFM	30,000 lbs/hr 22,000 CFM	42,000 lbs/hr 28,000 CFM
Medium particle (1/8" – 1/4") Cereal grains, wheat, oats, popcorn (16 mesh)	12,000 lbs/hr 10,000 CFM	16,000 lbs/hr 12,000 CFM	24,000 lbs/hr 15,000 CFM	33,000 lbs/hr 20,000 CFM
Small particle (1/16" – 1/8") Alfalfa, millet, sesame (30 mesh)	5,000 lbs/hr 6,000 CFM	7,000 lbs/hr 7,000 CFM	10,000 lbs/hr 10,000 CFM	12,000 lbs/hr 14,000 CFM
Almond meats	13,000 lbs/hr	17,000 lbs/hr	26,000 lbs/hr	35,000 lbs/hr

*Sunflowers, oilseed and confectionery are also a special class. Weights from 40 – 15 lb/Bu and sizes from 3/4" down to 1/4". Capacity based on experience.

Options include

- Platinum package (power hydraulics, process automation and memory recall for all controls)
- Variable frequency drive of fans
- Coated, stainless steel, Iso-Flex or Tonne-Cap overcovers
- Full or partial dust hoods
- Installation-ready single point connection electrical panels
- Worldwide motor voltages
- Vibratory or Accu-Flo pneumatic feeders
- Available as right or left hand configuration
- All stainless steel contact points for food applications
- Custom discharge hoppers
- Custom catwalks
- Custom control location