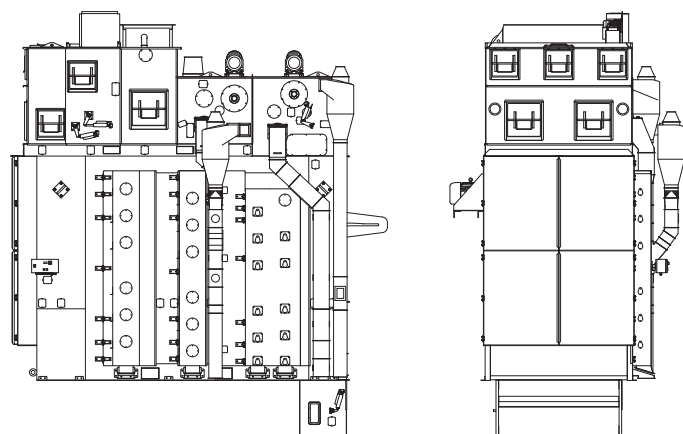




INDUSTRIAL CLEANER DELTA MEGA 168.1

Cimbria Mega Cleaners are developed for high-capacity pre-cleaning of grain, peas, and rape seed, and industrial cleaning of grain and malting barley.

The machine's large screen area with its accurately matched stroke and frequency is completed by Cimbria's highly efficient recirculating pre- and after-suction system and HMI control system.



PERFORMANCE

Materials	Bulk density t/m ³	Moisture content %	Capacity t/h
Barley	0.68	20 (15)	400 (240)
Maize	0.71	20 (15)	400 (240)
Malt	0.52	20 (15)	180 (140)
Oats	0.51	20 (15)	150 (50)
Peas, common	0.7	20 (15)	300 (120–300)
Rapeseed	0.74	20 (7–9)	400 (120)
Rice, white	0.75	20 (15)	300 (50)
Rye	0.69	20 (15)	400 (240)
Sorghum	0.64	20 (15)	400 (240)
Soybeans	0.72	20 (15)	350 (120–300)
Wheat	0.76	20/15 (15)	400/450 (240)

Legend: Values in parentheses are for industrial cleaning. Other values are for pre cleaning.

Note: Capacities may vary for different impurity and moisture contents.

SCREENS

Screen angle	8°
Screen area, total	32.4 m ²
Screen size	1 800×1 000 mm (18 pcs)

DIMENSIONS

Overall length	5 620 mm
Overall height	6 338 mm
Overall width	3 506 mm

WEIGHT

Weight, empty	12 200 kg
Weight, operating (wheat)	13 300 kg
Weight, choked (wheat)	29 500 kg

OPERATING SPEED

Shaker feeder (shaft)	95–475 rpm
Screens (shaft)	280–285 rpm

ELECTRICAL RATINGS

Motor, shaker feeder	2.2 kW
Motor, screens	5.5 kW
Motor, pre aspiration fan	4 kW
Motor, post aspiration fan	5.5 kW
Control panel	110–230 V

AIR SUPPLY AND EXTRACTION

Aspiration volume	5 000 m ³ /h
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DYNAMIC LOADS

Horizontal load "Ph"	±1 018 N @ 4.6–4.8 Hz
Vertical load "Pv1" (inlet end)	±7 139 N @ 4.6–4.8 Hz
Vertical load "Pv2" (outlet end)	±7 139 N @ 4.6–4.8 Hz

Note: Dynamic loads are for normal operation.

NOISE

Sound pressure level, empty	77.6 dB(A)
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COMPLIANCE

EU machinery legislation	Yes
EU ATEX legislation	No
EU food contact legislation	Option*

* Consult your Cimbria dealer for full details.

ENVIRONMENTAL CONDITIONS

Environment	Indoors
Temperature	From -20°C to +40°C
Altitude	Up to 800 m

SURFACE PROTECTION

Frame and enclosure	Paint (corrosivity category C2; low durability)
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LIFETIME

Intended life limit	20 years
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