



# elstar

Electrostatic oil and emulsion separator

EL 8000 | EL 12000  
EL 18000 | EL 24000

Type	EL 8000		EL 12000				EL 18000		EL 24000	
Make	N EC	NTD EC	V N EC	H N EC	V NTD EC	H NTD EC	N EC	NTD EC	N EC	NTD EC
Filter area [m <sup>2</sup> ]	52,8	105,6	79,2		158,4		118,8	237,6	158,4	316,8
Suction perf. [m <sup>3</sup> /h]	7.000	8.000	10.500		12.000		16.000	18.000	21.000	24.000
Noise level [dB(A)]	~72									
Weight [kg]	~210	~330	~350		~470		~370	~740	~460	~820
Power rating [kW]	1,82	1,94	depend on project							
Voltage [V]	400 / 230									
Max. operat. temp. [°C]	~45									
Height a [mm]	1.000		1.493	1.000	1.493	1.000	1.493		1.984	
Length b [mm]	1.177	1.700	1.177		1.700		depends on project			
Width c [mm] (incl. control cabinet)	940 (1.087)		1.406 (1.550)		940 (1.087)	1.406 (1.550)				

N: ventilation, V: vertikale design, H: horizontale design, TD: two filter stages - subject of change without notice



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...pure air solutions



	EC Ventilation	Oil mist	Oil smoke	Emulsion mist > 10%	Emulsion mist > 4%	Emulsion mist < 4%	Coolant pressure [bar]	Aerosol concentration [mg/m <sup>3</sup> ]	Emulsion pre separator	Air inlet collector	Mechanical pre separator G2, G4, F9	Stronger ventilation	Maximum workroom volume turnover 300/h	Maximum workroom volume turnover 200/h	Recommended pipe diameter [DN] mm
EL 8000 N	■	+	+	+*	+*	+* <sup>2</sup>	<40	<50	○	○	○	○	24 m <sup>3</sup>	35 m <sup>3</sup>	450
EL 8000 NTD	■	+	+	+*	+*	+* <sup>2</sup>	>40	>50	○	○	○	○	27 m <sup>3</sup>	40 m <sup>3</sup>	500
EL 12000V N	■	+	+	+*	+*	+* <sup>2</sup>	<40	<50	○	○	○	○	35 m <sup>3</sup>	53 m <sup>3</sup>	550
EL 12000H N	■	+	+	+*	+*	+* <sup>2</sup>	<40	<50	○	○	○	○	35 m <sup>3</sup>	53 m <sup>3</sup>	550
EL 12000V NTD	■	+	+	+*	+*	+* <sup>2</sup>	>40	>50	○	○	○	○	40 m <sup>3</sup>	60 m <sup>3</sup>	600
EL 12000H NTD	■	+	+	+*	+*	+* <sup>2</sup>	>40	>50	○	○	○	○	40 m <sup>3</sup>	60 m <sup>3</sup>	600
EL 18000 N	■	+	+	+*	+*	+* <sup>2</sup>	<40	<50	○	○	○	○	54 m <sup>3</sup>	80 m <sup>3</sup>	710
EL 18000 NTD	■	+	+	+*	+*	+* <sup>2</sup>	>40	>50	○	○	○	○	60 m <sup>3</sup>	90 m <sup>3</sup>	710
EL 24000 N	■	+	+	+*	+*	+* <sup>2</sup>	<40	<50	○	○	○	○	70 m <sup>3</sup>	105 m <sup>3</sup>	850
EL 24000 NTD	■	+	+	+*	+*	+* <sup>2</sup>	>40	>50	○	○	○	○	80 m <sup>3</sup>	120 m <sup>3</sup>	850

○ special equipment | ■ standard equipment | - not usable | + usable / optimal | \* with emulsion pre separator | <sup>2</sup> in combination with equipment emulsion-plus

Options	EL 8000	EL 12000	EL 18000	EL 24000
Special color			○	
Airflow radial (left/up, right/up)			■	
Airflow horizontal (left/right, right/left)			○	
Connecting nozzle at air inlet collector	■ 1 x DN 500	■ 1 x DN 600	■ 1 x DN 710	■ 1 x DN 850
Additional connecting nozzle at air inlet collector			○	
Exhaust nozzle			○	
Wallbracket / 4-feet stand / one-foot support / platform	○ / ○ / ○ / ○	- / ○ / - / ○	- / ○ / - / ○	- / ○ / - / ○
400 V power connector for IT-net			○ larger control cabinet	
Stronger ventilation [kW]	○	○	○	○
Pre-separator G4 / PPI fleece			○ / ○	
air inlet collector			○	
Potential free contact (error message) / on-off relay			○ / ○	
Volume control / operating point switch			○ / ○	
Airflow controller / safety shutdown (in case of fire)			○ / ○	
Continuous speedcontrol / connecting plug / main switch			■ / ○ / ○	
Safety after-filter H13 / active carbon after-filter (smell elimination)			○ / ○	

○ special equipment | ■ standard equipment | - not usable

Special construction on request

