



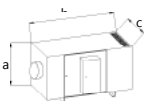
elstar

Electrostatic separator
for duct installation

EL 8000 KV | EL 12000 KV
EL 18000 KV | EL 24000 KV

Type	EL 8000		EL 12000				EL 18000		EL 24000	
Make	KV	KVTD	V KV	H KV	V KVTD	H KVTD	KV	KVTD	KV	KVTD
Filter area [m ²]	52,8	105,6	79,2		158,4		118,8	237,6	158,4	316,8
Suction perform. [m ³ /h]	7.000	8.000	10.500		12.000		16.000	18.000	21.000	24.000
Weight [kg]	~135	~270	~180		~380		~270	~640	~360	~720
Power rating [kW]	0,12	0,24	0,18	0,12	0,36	0,24	0,18	0,36	0,24	0,48
Voltage [V]	200...240									
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]	500	1.100	500		1.100		500	1.100	500	1.100
Width c [mm] (incl. control cabinet)	967 (1.089)		1.406 (1.550)		967 (1.089)	1.406 (1.550)				

KV: without ventilation, TD: two filter stages, V: vertikal design, H: horizontal design - subject of change without notice



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

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

Options	EL 8000	EL 12000	EL 18000	EL 24000
Special color			○	
Airflow horizontal (left/right, right/left)			■	
Pre-separator			○	
Air inlet collector	■ 1 x DN 500	■ 1 x DN 600	■ 1 x DN 710	■ 1 x DN 850
Air outlet collector	■ 1 x DN 500	■ 1 x DN 600	■ 1 x DN 710	■ 1 x DN 850
Additional connecting nozzle at air inlet collector			○	
Ceiling rack			○	
400 V power connector for IT-net			○ larger control cabinet	
Pre-separator G4 / PPI fleece			○ / ○	
Potential free contact (error message) / on-off relay			○ / ○	
Airflow controller / safety shutdown (in case of fire)			○ / ○	
Connecting plug / main switch			○ / ○	

○ special equipment | ■ standard equipment | - not usable

Special construction on request

