

Електролукс-Elektroluks-Electrolux

www.electrolux.com.mk-www.elektroluks.com.mk

Smoke Free Systems creates smoke free indoor environments at workplaces. The open System replaces the traditional smoking room or outside smoking and provides an advanced air purification system that really works. Together with the patented ash handling system a smoking solution from Smoke Free Systems makes it possible to smoke without passive smoking and odour.

In several countries in Europe, where smoking laws have been passed, Smoke Free Systems have successfully helped many companies and corporations to successfully implement new smoking legislation without a total smoking ban. This still without the danger of tobacco pollution or secondary smoke.

Smoke Free Systems create improved interior environments and make it possible for people to gather and interact without passive smoking. One of our watchwords is the reduction of smoking at our customer's locations. This is an important standpoint for us who work at Smoke Free Systems.

The possibility of placing the Smoking Stations near the workplace minimises the need for that 'extra' cigarette, which is a common phenomena when smoking in groups. Another reason is that you don't have to give up your friends' company just because you are giving up cigarettes.

Our customer surveys confirm that smoking is reduced among employees when Smoking Units are installed at the workplace.

Gathered together without passive smoking

In many cases, the only possibility to create smoke free environments has been to isolate smokers, either in separate rooms or by sending them outside the building. This has, in turn, led to undesirable groupings and often conflicts in the workplace.

The smokers become part of the group

Smoke Free Systems units are the compact, open and freestanding, so they can easily be located close to the workplace and lounge areas. This means smokers become part of the group and this has a positive effect on the workplace by removing the cause of many conflicts.

The smoke should be removed, not the smokers

Because our systems are able to capture smoke at the source, employees at thousands of workplaces finally have the opportunity to gather together without anyone being bothered by smoke. Even when people are smoking, there are no tobacco smells to cling to clothes or hair. Since all passive smoking is eliminated, the environment is just as good as it would be without smoking.

A natural part of the building

Previously smoking rooms have been the only alternative for permitting smoking indoors. This can easily result in a compromise that pleases no one. Why not choose a solution that is flexible and can be adapted to the conditions that apply?

Smoke Free Systems give you a free hand

If you plan indoor environments, Smoke Free Systems open up completely new and decidedly more pleasant possibilities:

- Smokers and non-smokers can use rest areas together
- The modules are only about 2 m square and have minimal energy consumption
- You don't need any external ventilation systems, an ordinary power outlet is enough
- There are no clean-up costs when organizational changes take place
- All systems are moveable and can easily be adapted to flexible organizations
- Colours and materials can be chosen to suit the interior design of the workplace.

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Electrolux Oprema za filtracija za Pusenje

Fire protection

The transfer of fire and smoke to other floor levels must be prevented when buildings are higher than two storeys with certificated fire protection elements, classification K 90-DIN 18017.

Depending on the circumstances on site, the following can be used:

- ELS-casing with fire protection (e.g. ELS-GB, -GBK, GAB and

others - see product pages). Required: as fire resistant classified shaft for the ventilation main duct.

- **Fire damper ELS-D**
For installation in ventilation main duct. Advantage: Approved for use in ventilation shafts and within mixed service shafts (even with flammable services) shafts, only needs to be covered with a 12.5 mm

plaster board panel. All ELS fans, connected with flexible aluminium ducting do not need any fire protection classifications.

- **Fire protection sleeve BSH**
Operation and installation as ELS-D. But the ventilation units need a metal backdraught shutter. Plus the use of flexible steel ducting for the connection ducting is required.

ELS-D



Fire damper ELS-D

When using the barrier all other component parts do not need any fire protection classification. The low cost ELS-casings -G, -GZR and -GA can also be used for ventilation of rooms.

The low cost and mounting-friendly flexible aluminium ducting can be used for the connections. Detailed information see product pages and page 270.

Dia. main duct	100	125	140	160	180	200
Type	ELS-D..	ELS-D..	ELS-D..	ELS-D..	ELS-D..	ELS-D..
Ref. No.	0270	0185	1198	1197	1198	0271

BSH



Fire protection sleeve BSH

To be installed vertically in the ceiling within the main duct run (spiral ducting). It acts as a fire barrier to prevent heat transfer to the floor above in the case of a fire. Approved for use in ventilation shafts and within mixed service shafts (even with flammable services) shafts, only needs to be covered with a 12.5 mm plaster board panel. To protect the upper

floor from heat transfer in case of fire, the spiral duct must be cased with 50 mm thick insulation in every floor up to the height of 1 meter over the floor BSH. (accessory). The installed fans must have a metal backdraught shutter (e.g. casings ELS-GAK, -GK, -GKZR). Detailed information see following page.

Air intake elements

- Installation in wall openings

ZL



Passive ventilation units and thermostatic supply valves for universal use. For the required replacement air. Detailed information see product pages air intake elements.

	ø 80		ø 100		ø 160	
Type	Ref. No.	Type	Ref. No.	Type	Ref. No.	
Automatic passive ventilation unit - Automatically temperature controlled, using a thermocouple valve, built-in thermostat and outside grille as standard						
ZLA 80	0274	ZLA 100	0275	ZLA 160	0276	
Manual passive ventilation unit - Manually adjustable by a four step motor mechanism using a pull cord, built-in thermostat and outside grille as standard						
ZLE 80	0275					
Thermostatic supply valves - For installation in existing ventilation openings						
ZTV 80	0278	ZTV 100	0279	ZTV 160	0274	

- Installation in window frames or in roller blind cabinets

ALES



Air intake element with air flow controller and limiter. Ideal for retrofit applications as well as new buildings.

Q	ø 80		ø 100		ø 160	
m³/h	Type	Ref. No.	Type	Ref. No.	Type	Ref. No.
Air intake element to install in window frames with air flow controller and limiter						
30	ALES 30	2100	ALES 30	2100		
40	ALES 40	2101	ALES 40	2100		
Air intake element to install in roller blind cabinets with automatic air flow controller and roller cover						
30	ALES 800	2100				

Door grille

ETC.



Door grille

Decorative, non-velon door transfer grille made from impact resistant polymers, to be installed into doors. Detailed information see product pages air grilles.

LTGW Ref. No. 0248
Made from white polymers.

LTGB Ref. No. 0247
Made from brown polymers.

Information

Dimensions, detailed technical information as well as further sizes:

	Pages
Air grilles	245-255
Air intake elements, Controllers and switches	271-274
Fire prot. elements for use in multi-storey combs with more than 2 floors	275-280

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