

SURGICAL SMOKE EVACUATOR

Edge Systems SAFE™

The SAFE™ System surgical smoke evacuator from Edge Systems removes the plume created by laser, Airplasma and electrocautery treatment, such as in coloproctology, ENT, hair removal, tattoo removal, erbium and veterinary procedures. The ULPA filtration helps to protect physicians and staff from harmful airborne contaminants created during these procedures.

The SAFE System surgical smoke evacuator is distributed in the UK by Excel Lasers Limited. It is CE marked, meets medical electrical safety standards and can handle any type of surgical smoke.

- **ULPA filtration**
- **Economical**
- **Powerful**
- **Quiet**
- **Compact**
- **Castors for easy movement**
- **Optional tubing stand**



Tubing Stand

Features

- Powerful Suction**
- Improved Technology**
- Economical**
- Compact**
- Variable Speed**
- Footswitch**

Benefits

- Effectively captures and filters any surgical smoke
- Filter performance is more accurately measured by a pressure gauge, ensuring maximum usage and saving money
- Long-lasting disposables and gauge to determine actual level of performance
- The small, convenient design won't crowd your floor space
- Customise the flow for each procedure
- Hands-free operation. The unit can easily be deactivated and re-activated using the footswitch to help extend the life of the filters

EXCEL LASERS
Making Light Work

Quality Management System certified to ISO 13485

Excel Lasers Ltd. • The Old Yard • Great Bradley Hall
Newmarket • CB8 9LT • United Kingdom
+44 (0)1440 783201
sales@excellasers.com
www.excellasers.com

Ordering Information

Part code	Description	Specification
ELE10001	Smoke evacuator	Dimensions: 23 x 23 cm footprint; 36 cm high (excluding castors) Weight: 13 kg. Suction: 56 to 1200 L/min Noise: 45 dbA at 1 metre Filtration: ULPA; 99.999+% efficiency at 0.12 micron Includes footswitch and optional castors
ELE20009	'Big Boy' main filter	Supplied as a single unit. Change every five pre-filters.
ELE20004-05	Pre-filter	Supplied in packs of five
ELE30000-10	Tubing	Supplied in packs of ten. Typically changed after each procedure 22 mm bore; 1.8 m length
ELE10006	Tubing stand	Adjustable height and angle with flexible gooseneck
ELE17010	Footswitch	Spare part

Guidelines for Use

In order to minimise the spread of infectious disease and contamination it is important to change the pre-filter and main filter regularly. On average the pre-filter is changed monthly and the main ULPA "Big Boy" filter is changed every five to six months. This is the suggested practice to provide satisfactory filter maintenance. On average, tubing is changed every procedure.

There are two methods in determining when to change the filters of the SAFE System smoke evacuator

- Following monthly procedures
- Utilising the status gauge on the unit

Monthly Procedures

The type and quantity of procedures will require various maintenance schedules; further details are provided with the unit. Generally, based on a typical usage of 25 to 40 procedures per month, the pre-filter will need to be changed every month.

The 'Big Boy' filter should be changed after changing the pre-filter five times. There is a series of boxes on the 'Big Boy' that can be marked to track pre-filter changes.

Utilising the Status Gauge

The SAFE System Smoke Evacuator features a status gauge that highlights the need for filter maintenance. The filter status gauge will check the operating status in real time. The gauge has been calibrated at the manufacturer. This method requires a test for the actual loading of the filter.

In order to test the pre-filter status you should use the unit at the desired speed setting with the appropriate tubing set for your application. Then, when testing the pre-filter, set the variable speed to '8' and check that the gauge does not enter the red region of the display.

The 'Big Boy' filter should be changed after changing the pre-filter five times. There is a series of boxes on the 'Big Boy' that can be marked to track pre-filter changes.



Excel Lasers Ltd. • The Old Yard • Great Bradley Hall
Newmarket • CB8 9LT • United Kingdom
+44 (0)1440 783201
sales@excellasers.com
www.excellasers.com

Quality Management System certified to ISO 13485