

Order the SafeAir® Smoke Pencil

Ordering information

PENCIL		
SHK-VS	SafeAir® Smoke Pencil - Push button - Uncoated 70mm blade electrode	Box of 10
SHK-VS-C	SafeAir® Smoke Pencil - Push button - Coated 70mm blade electrode	Box of 10
SUCTION TIPS		
SHK-EST-0065	SafeAir® Smoke Pencils Extension Suction Tip 65 mm long	Box of 10
SHK-EST-0070	SafeAir® Smoke Pencils Extension Suction Tip 70 mm long	Box of 10
SHK-EST-0125	SafeAir® Smoke Pencils Extension Suction Tip 125 mm long	Box of 10
SHK-EST-0165	SafeAir® Smoke Pencils Extension Suction Tip 165 mm long	Box of 10
SHK-EST-0200	SafeAir® Smoke Pencils Extension Suction Tip 200 mm long	Box of 10

...and its potential of harmful effects

Health risks related to surgical smoke*

- Acute and chronic inflammatory changes to the respiratory tract (emphysema, asthma, chronic bronchitis)
- Hypoxia/dizziness, light headedness, headache, eye irritation, sneezing, nausea
- Cardiovascular dysfunction, dermatitis, anxiety, anaemia, carcinoma, leukaemia
- HIV, Hepatitis

Solution?

- Surgical masks: Provide little or no protection for staff as surgical smoke travels through
- General OR ventilation: Provides too low air exchange to remove smoke before it affects people in the OR
- Smoke wand/wall suction: Too low for most energy based surgical procedures

Surgical smoke must be evacuated at the source.



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OPERATING ROOM



CE 0459 SafeAir® Smoke Pencil

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SafeAir®
Surgery without smoke

SafeAir® Smoke Pencil

Diathermy pencil
with integrated
smoke evacuation



SafeAir®
Surgery without smoke

Smoke is in the air. And it's dangerous

We don't allow smoking in hospitals. But the smoke emanating from electrosurgery is as unhealthy as smoking cigarettes.

Moreover, it contains biological material that may cause serious health problems.



Thermal
destruction of
1 g of tissue
=
smoking six
cigarettes*



Biological
material
=
risk of
infection

Surgical smoke...

- Chemicals with a mutagenic and carcinogenic potential similar to that of cigarette smoke
- Viable and non-viable biological material – for example, cells, bacteria and viruses bearing the risk of infection and transmitting diseases
- Lung damaging dust penetrating the respiratory tract causing acute and chronic inflammatory changes

Surgical smoke travels from the surgical site and spreads in the OR.

Risks from exposure to surgical smoke are cumulative.

SafeAir® Smoke Pencil. A state-of-the-art diathermy pencil...

Precise handling

- Slim design
- Light flexible tubing allows axial rotation and follows the hand of the surgeon
- Fully integrated cable inside the tubing



Suitable for wide range of surgeries

- Compatible with a wide range of electrodes



...with effective smoke evacuation at source



Smoke suction through transparent suction tip for clear vision at surgical site.



Selection of five lengths of suction tips available.



Adjust the position of the suction tip by sliding or twisting it closer to or away from the electrode tip as desired.



Optional liquid suction
Dual connector fits 22mm filter nozzle and 8mm inlet of a liquid collection bottle.