

Aerosol Restricting Canopy for Dental Procedures – Safety ARC

Introduction

Dental settings warrant additional infection control considerations because dental and oral surgery procedures cause aerosol release, which can spread infection and increase the bacteria levels to almost 20 times in the dental clinic. Dental aerosols are contamination carriers which can spread in upto 30 feet range. These remain suspended in the air and settle on the nearby surfaces. Safety-ARC effectively shields a doctor and dental assistant from the patient's airway and reduces the chances of aerosol spreading of various pathogens like COVID-19 virus, etc.

Features

- Covers the full area around the patient
- Sliding windows for restriction free movement of hands
- Disposable cover sheets reduces the patient to patient infection transfers and reduces the dependencies on sterilisation
- Can be fixed on a movable platform or a dental chair
- Height and angular adjustments orients Safety-ARC in the desired direction
- Optional - Aerosol suction using the dental chair suction pump

Specifications

- Material : Clear Acrylic sheet and Aluminium frame
- Flexible Windows : Latex sheet
- Height adjustment : $\pm 150\text{mm}$
- Angular adjustment : $\pm 30^\circ$
- Suitable for : Adult, Paediatrics

Applications

For use in Dental departments of government hospitals and private clinics to reduce the chances of environmental exposure to patients and hospital staff for various pathogens

Status

Safety-ARC is being tested at OHSC, PGI, Chandigarh.

Technology transferred to M/s Nigam Scientific works, Chandigarh

Safety-ARC

