



# ASPI-AERO 25

## AEROSOL REMOVAL

INCORPORATING HEPA H14 ANTIBACTERIAL  
CARBON ACTIVATED FILTER\*



# CATTANI ASPI-AERO 25 HAS THREE INTERCHANGEABLE ATTACHMENTS, FOR PRECISION, GENERAL AND SHIELDED APPLICATIONS

## SUCTION ARM FULLY ADJUSTABLE AND ROTATES TO SUIT ANY MODERN SURGERY

### CATTANI ASPI-AERO 25 AEROSOL REMOVAL SYSTEM

Aspi-Aero is a brand new extra oral dental suction system for removing the aerosol spray when carrying out aerosol generating procedures (AGPs). Utilising a new generation of motor providing high airflow with continous service ensuring long procedures are not interrupted.

#### AEROSOL DIFFERENTIATION

Aerosols are differentiated based on particle size: spatter ( $> 50 \mu\text{m}$ ), droplet ( $\leq 50 \mu\text{m}$ ), and droplet nuclei ( $\leq 10 \mu\text{m}$ ).

In dental settings, 90% of the aerosols produced are extremely small ( $< 5 \mu\text{m}$ ).

- Spatter, being the larger particle, will fall until it contacts other objects (e.g., floor, countertop, sink, bracket, table, computer, patient or operator).
- Droplets remain suspended in the air until they evaporate, leaving droplet nuclei that contain bacteria related to respiratory infections.
- Droplet nuclei can contaminate surfaces in a range of three feet and may remain airborne for 30 minutes to two hours. If inhaled, the droplet nuclei can penetrate deep into the respiratory system.

Source: [www.decisionsindentistry.com](http://www.decisionsindentistry.com)

Aspi-Aero 25 is equipped with **moisture seperation** for liquid collection to protect the HEPA filter from water ingress, which is emptied using the HVE suction on the chair or tip support ensuring no contact with any potentially hazourdous liquids. It also includes a fully adjustable arm which can rotate to provide aspiration from a wide area and handle on the unit for easy maneuverability.

Aspi-Aero 25 is also equipped with a **HEPA H14** antibacterial, carbon activated filter with increased surface area to permit the high airflow, has a high efficiency rating and certified to EN 1822-1. Filter element must be replaced every 12 months to ensure reliability.

#### SPECIFICATIONS

<b>No. of Surgeries</b>	1 surgery	<b>Dimensions (mm)</b>	W400 x D410 x H750
<b>Output Power</b>	0.5kw - 3.7A 230V 50Hz	<b>Net Weight</b>	40kg
<b>Max Flow</b>	2500l/min - 145m <sup>3</sup> /h	<b>Operating Temp</b>	+5 °C - +40 °C
<b>Max. Vacuum Level</b>	140mbar (continous service)	<b>Power Cord Length</b>	2.5m
<b>Noise Level</b>	65dB(A)	<b>Serviceable Life</b>	5 years*

# EQUIPPED WITH A RELIABLE, PROVEN AND POWERFUL CATTANI UNI-JET 75 1AC TWIN VANE MOTOR



Single phase dry motor 0.5 kW -3.7A max air flow 2500l/m max vacuum level 140mbar. Cattani motors are continuously rated for long procedures, reliability and peace of mind.

This unit is supplied with **three** interchangeable attachments:

- 25mm nozzle to remove aerosols from a precise area.
- 60mm nozzle with a 45° cut angle to gather aerosols from a wider area (Fig 1).
- Shield to collect aerosols and protect from spatter (Fig 2).

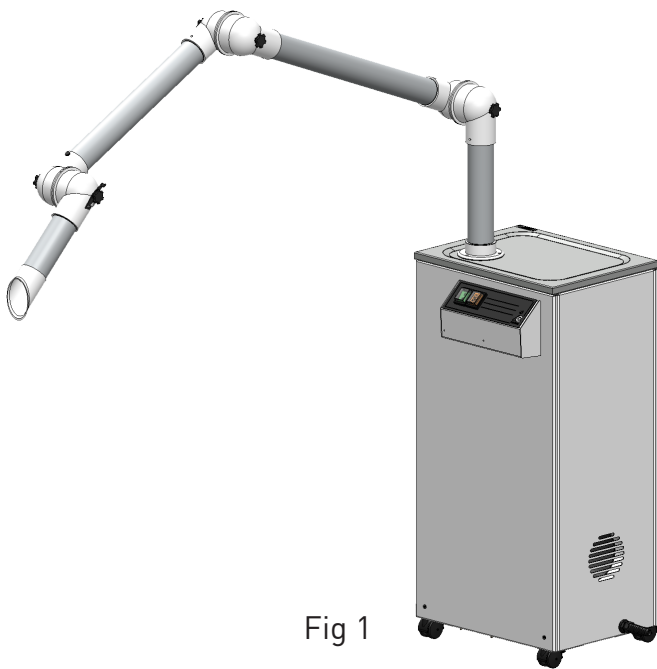


Fig 1

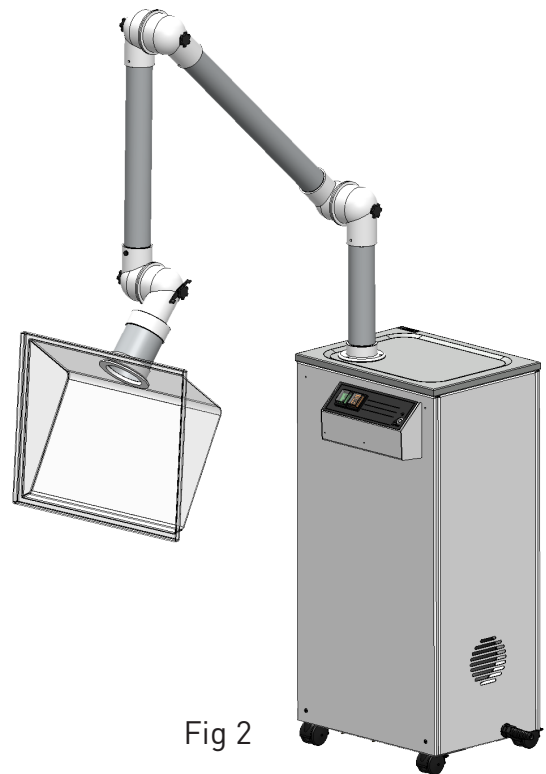


Fig 2

The system can be safely ventilated into the room or exhausted externally (recommended) dependant on customer preference\*.

Cattani recommend the use of their Eco-Jet 1 sterilisation range to disinfect surfaces and internal components of the Aspi-Aero. Eco-Jet comes in the form of a spray, refill or wipe and should be used for daily disinfection after each patient.

Range of action Virucide, Bactericide, Fungicide and Tuberculocide action within 15'. All certified and according to standards EN-13697, EN-14348, EN-14476 (information available on request and also available via the Cattani website).

Eco-Jet Spray 040745 (500ml) - Eco-Jet Refill 040764 (5ltr) - Eco-Jet Tissues 040770 (160 wipes per pack)



\*Cattani Aspi Aero systems are supplied with a 1 year warranty (subject to terms and conditions of servicing schedule). Noise level may be affected if ventilated into the room directly. Please note: Aspi-Aero is not considered a medical device because there is no direct contact with the patient.

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FOR 50 YEARS:  
SPECIALIZATION HAS GIVEN EXCELLENT RESULTS.

**HOW IS IT WE LEAD IN OUR FIELD, WHEN WE COST LESS THAN THE ALTERNATIVES? THIS IS HOW:**

**Constant research:** this lets us apply the latest technology in all of our products and solutions.

**We enhance performance:** electronic and information technology allow us to increase the performance and reliability of our products.

**We reduce costs:** less maintenance and energy costs mean on a cost-benefit analysis we are always the most economical.

**We reduce environmental impact:** we save 50% on raw materials in the production stage and our customers save between 30% and 50% on electrical consumption thanks to inverter drive technology.