



# TURBO SMART MULTIPLE SURGERY

A UNIVERSAL ASPIRATOR



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# MORE THAN A UNIVERSAL ASPIRATOR VARIABLE, RELIABLE AND POWERFUL

## CATTANI TURBO SMART

Is a powerful, variable speed suction system, ideal for conservation and surgical applications providing high airflow and high vacuum power.

Turbo Smart is supplied for two surgery use and is upgradable to four surgeries if required.

Turbo Smart has a programmable vacuum level which automatically alters vacuum on demand and responds to any change in use from the surgeries.

Turbo Smart also features Cattani's multi-function digital display which informs the user of the vacuum level, temperature, servicing requirements, amalgam separation, fault diagnosis and programming.

Thanks to the inverter, its electrical energy consumption is proportional to its use, these units have improved work performance, save electricity and increase reliability.

## PRECISE INFORMATION FOR PERFECT OPERATION

The suction unit informs the operator of:

- Vacuum level
- Current absorption
- Room temperature
- Running hours
- Maintenance
- Machine temperature
- Amalgam level

## INFORMATIVE DISPLAY

Through simple and easy operations on the keypad you can monitor the working status of the unit.

The unit also has a memory, which keeps a record of all errors, and is equipped with a software that monitors a series of technical parameters allowing precise analysis of possible anomalies.

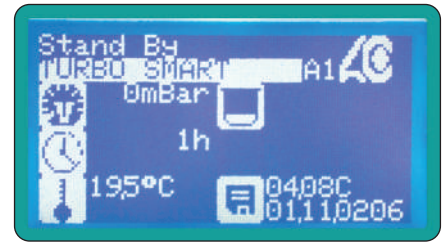


## ADDITIONAL EXTRAS

**Aesthetic Cover**

**Sound-Reducing Cabinet** which can reduce noise levels to 50.2dB(A) (Turbo Smart A) and 51.6dB(A) (Turbo Smart B).

**Outdoor Housing** which is temperature controlled with a thermostatic cooling fan.



## ACTIVE SELF-PROTECTION

Through the inverter control system and a computerized programme which monitors the operational parameters of the machine, Turbo Smart can adjust to cope with various extreme conditions.

This unique feature allows Turbo Smart to continue running, unlike fixed speed aspirators which will fail over time.

For example:

- In environmental conditions, such as high temperature, the suction unit will not stop and will suffer no damage, it automatically decreases vacuum for the time needed to restore the correct operating temperature;
- If there is a sudden wave of liquid from the surgery, the suction unit will not overflow but goes into active self-protection, the recirculation valve opens, suction slows down, the centrifugal separator absorbs the current spared by the suction unit and, once the wave has been dealt with, the suction unit will resume regular operation;
- If there is any sudden voltage change or power surge, within pre-set limits, the electronics protects the machine allowing operation to continue;

Any problems occurring during operation are highlighted on the display.



### WI-FI CONNECTION

As part of Cattani's Warranty all Smart suction systems have to be registered on our Smart App when first installed, registration offers the following benefits:

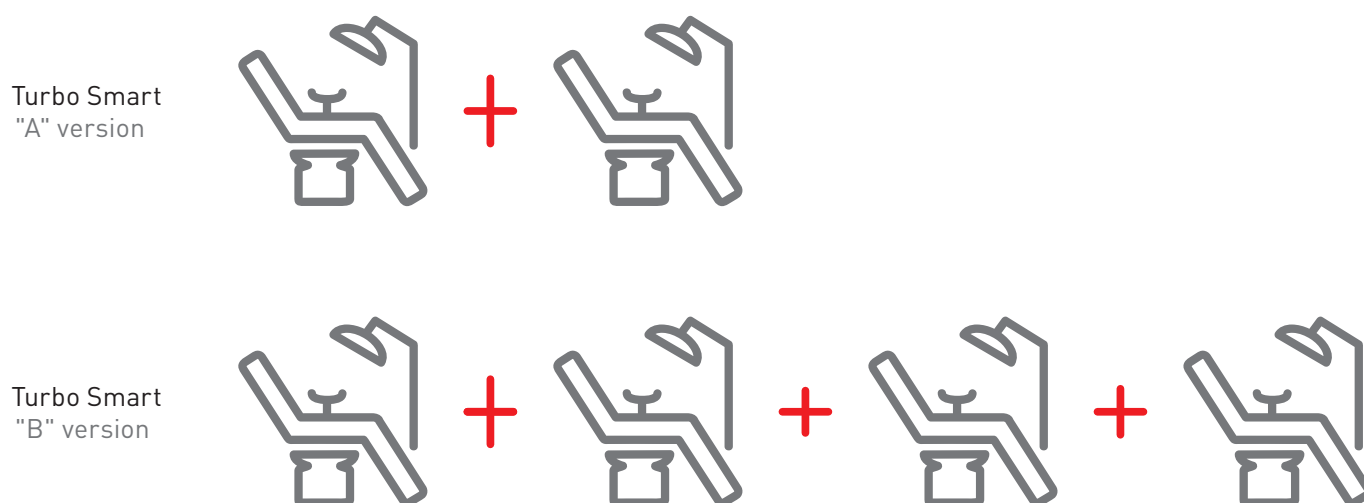
- An engineer can remotely access the unit to check its status
- The dentist can check and modify the vacuum level remotely
- Alerts the dentist to maintenance requirements (such as amalgam pot level)

# OUTSTANDING PERFORMANCE AND RELIABILITY

## FROM SINGLE TO MULTIPLE SURGERY, TURBO SMART CAN ADAPT TO YOUR SPECIFIC REQUIREMENT

**High performance:** Turbo Smart can be installed in parallel without peripheral units and without connectors. It is possible to upgrade the Turbo Smart model A (for 2 surgeries) to model B (for up to 4 surgeries) by entering a password into the machine, either before or anytime after the installation of the unit. The operator can regulate the vacuum level according to his variable needs.

**Consequently,** with Turbo Smart the dealer can count on one single aspirator adapting to all customers' requirements, while the dentist is sure to receive the aspirator which meets his needs.



### Turbo Smart

Output power:	1.5kW 6.5A 230V 50Hz
Max. flow:	1400 l/min
Max. vacuum level:	210mbar (continuous service)
Noise level:	68-69dB(A)
Dimensions:	W390 D350 H630 (mm)
Net Weight:	39.5kg
Gross Weight:	50kg
TUV certified:	98.1% amalgam retention

### Turbo Smart 2V

Output power:	2kW 9A 230V 50Hz
Max. flow:	1600 l/min
Max. vacuum level:	280mbar (continuous service)
Noise level:	70dB(A)
Dimensions:	W540 D400 H650 (mm)
Net Weight:	41kg
Gross Weight:	61kg
TUV certified:	98.1% amalgam retention

# TURBO SMART 2V - IDEAL DIRECT REPLACEMENT FOR ANY WET-RING SYSTEM

## TURBO SMART 2V

Turbo Smart 2V is the ideal direct replacement for any wet-ring system. With all the same features as the Turbo Smart with the addition of an extremely powerful Uni Jet 75 2V motor.

Turbo Smart 2V is a very reliable variable speed suction system and can run up to 4 surgeries continuously.

Turbo Smart 2V has twin turbines producing up to 270mbar of vacuum, which can be set between 40 and 270mbar as required.

A higher vacuum level is advisable in clinics where the aspiration pipes are smaller than optimal, where there are excessive pipe runs, or where the pipeline design allows for fluids to collect, reducing airflow. With a higher vacuum level, Turbo Smart 2V is ideal for implant and surgical procedures.

For technical reasons the Turbo Smart 2V is only available in 'B' version.



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

**We reduce environmental impact:** we save 50% on raw materials, so that you can save between 30% and 50% on electrical consumption.