


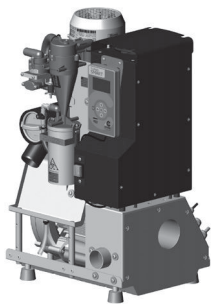
TURBO-SMART

Kombinations sugemotorer

- The aspirator reacts automatically to any working anomaly which can be dangerous for the machine proper functioning. A display shows the current working parameters of the machine during the aspiration.
- Neither peripheral units nor electrical starter are necessary for the installation of Turbo-Smart in parallel. Upgrading from "A" to "B" version by means of a password can be carried out anytime on both new and used machines. Head values can be set by the dentist himself, according to his needs. Each suction machine can service a variable number of dental units depending on different parameters: diameter and length of the piping, number of bends, brand of the dental unit (requirements concerning aspiration can vary), therefore the number of dental units we suggest should not be considered as binding.
- For cold climates and outdoor installations, on request the machine can be fitted with an antifreeze device
- Turbo-Smart can be controlled by the dentist by means of SmartApp 

We suggest to read paragraph “The details that matter” on page 6 before purchasing any Cattani equipment, and in particular as far as the sound vibration reduction, the outdoor installation (of both aspirators and compressors) and the disinfection and deodorizing treatment of exhausted air, etc. are concerned.

TURBO-SMART “A” VERSION WITHOUT BOX



Item035105
(230V 50/60Hz 1~)

Turbo-Smart “A” version without box
 Input power 1.5 kW – rated current 6.5 A
 Maximum operating head for continuous service 210 mbar. Maximum flow 1400 l/ min. Suggested for 2 surgeries working at the same time. Sound pressure level with canalized air:
 version without box from 70Hz to 85Hz from 68.4 dB (A) to 69 dB (A)* version with plastic box from 70Hz to 85Hz from 66.4 dB (A) to 67 dB (A)*
 W= 390 mm D= 350 mm H= 630 mm
 Net Weight= 37.5 kg (Gross Weight=49 kg)

Item035115
(230V 50/60Hz 1~)

Turbo-Smart “A” version without box, fitted with hydrocyclone ISO 18
 W= 390 mm D= 350 mm H= 630 mm
 Net Weight= 39,5 kg (Gross Weight= 50 kg)

* Sound pressure level tested according to ISO regulation 3746-1979 (E). Parameters: r = 1.5 – background noise: 34 dB (A) - instrument Brüel & Kjaer type 2232. Antibacterial filters for the exhausted air on page 71

PASSWORD TO TURN TURBO-SMART INTO “B” VERSION

Item035500
(To be considered as spare part)

Turbo-Smart version “B” (upgraded by means of a password) has the following characteristics: Input power 1.8 kW – rated current 7.5 A
Maximum operating head for continuous service 210 mbar. Maximum flow 1700 l/ min. Suggested for 4 surgeries working at the same time.
Sound pressure level with canalized air: version without box from 70Hz to 110 Hz: from 68.4 dB (A) to 73.7 dB (A)*
version with plastic box from 70Hz to 110 Hz from 66.4 dB (A) to 72 dB (A)*

HYDROCYCLONE ISO 18



Item043380

Version for Turbo-Smart before 2015
Components: 1 Hydrocyclone ISO 18, fixing plates, re-circulation hoses. TÜV tested, according to ISO 11143 standard

Item043391

Version for Turbo-Smart 2015 WI-FI
Components: 1 Hydrocyclone ISO 18, fixing plates, re-circulation hoses. TÜV tested, according to ISO 11143 standard

TURBO-SMART SUPPLEMENTARY SILENCER



Item160566

Turbo-Smart supplementary silencer

PLASTIC COVER FOR TURBO-SMART FOR INDOOR INSTALLATION



Item035000
(always supplied separately)

Turbo-Smart plastic cover for indoor installation
Moulded panels are easy to assemble and supplied with fixing plates, screws and instruction manual. The cover reduces the sound vibration, and protects Turbo-Smart from dust and from accidental contacts.

SOUND-PROOF BOX FOR OUTDOOR INSTALLATION



Item074306

Sound-proof box for outdoor installation.

The box is made of metal internally lined with soundproofing material and reduces the sound level by 18 dB (A) both in "A" and "B" version. Sound pressure level with canalized air:

Turbo-Smart "A" version from 70Hz to 85Hz: from 48.5 dB (A) to 49.5 dB (A)*
 Turbo-Smart "B" version from 70Hz to 110Hz: from 48.5 dB (A) to 52.2 dB (A)*
 W= 676 mm D= 555 mm H= 832 mm

Item035118
(230V 50/60Hz 1~)

Turbo-Smart fitted with Hydrocyclone ISO 18 and sound-proof box for indoor installation

Turbo-Smart is installed inside the box

BOX FOR OUTDOOR INSTALLATION



Item074305

Box for outdoor installation

The box is made of pre-galvanized and polyester powder painted metal and is fitted with cooling fan and thermostat
 Sound pressure level with canalized air:

Turbo-Smart "A" version dB (A)*
 Turbo-Smart "B" version dB (A)*
 W= 590 mm D= 570 mm H= 850 mm

Item074304

Box for outdoor installation

The box is made of pre-galvanized and polyester powder painted metal and is fitted with cooling fan and thermostat.
 Sound pressure level with canalized air:

Turbo-Smart "A" version from 70Hz to 85Hz: from 54 dB (A) to 55 dB (A)*
 Turbo-Smart "B" version from 70Hz to 110Hz: from 54 dB (A) to 58.7 dB (A)*
 W= 590 mm D= 570 mm H= 850 mm

ANTIFREEZE KIT

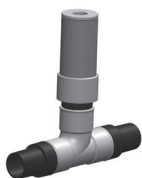


Item160498

Antifreeze kit

Fitted with cooling fan and thermostat.
 It comes into operation at 15 °C.

END OF LINE VALVE FOR CENTRALIZED PLANTS




Item203770

End of line valve for centralized plants

The end-of-line valve sets into operation to boost the air inlet and to empty any siphon hindering the regular and constant suction.

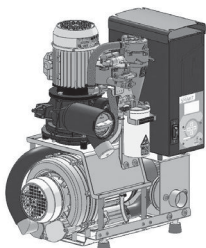
* Sound pressure level tested according to ISO regulation 3746-1979 (E). Parameters: r = 1.5 – background noise: 34 dB (A), instrument Brüel & Kjaer type 2232. Antibacterial filters for the exhausted air on page 71

TURBO-SMART 2V


- With two series fans, the new aspirator Turbo-Smart 2V can reach a 2800 mbar operating head value. Head value can be programmed from 0 to 2800 mbar and can be set any time by the dentist himself. A higher head value is useful with small diameter piping or with siphons where liquids don't drain, thus reducing the suction at standard head values.
- For technical reasons Turbo-Smart 2V is manufactured only in "B" version.
- Turbo-Smart 2V can be controlled by the dentist by means of SmartApp 

We suggest to read paragraph "The details that matter" on page 6 before purchasing any Cattani equipment, and in particular as for the sound vibration reduction, the outdoor installation (of both aspirators and compressors) and the disinfection and deodorizing treatment of exhausted air, etc. are concerned.


TURBO-SMART 2V WITHOUT BOX

	Item035130 (230V 50/60Hz 1~)	Turbo-Smart 2V without box Input power 2 kW – rated current 9 A Maximum operating head for continuous service 280 mbar. Maximum flow 1600 l/min. Suggested for 4 surgeries working at the same time. Sound pressure level with canalized air 70 dB (A)* W= 540 mm D= 400 mm H= 650 mm Net Weight= 41 kg (Gross Weight= 61 kg)	
	Item035135 (230V 50/60Hz 1~)	Turbo-Smart 2V without box, fitted with hydrocyclone ISO 18 W= 540 mm D= 400 mm H= 650 mm. Net Weight= 43 kg (Gross Weight= 69 kg)	

HYDROCYCLONE ISO 18

	Item043380	Version for Turbo-Smart 2V before 2017 Components: 1 Hydrocyclone ISO 18, fixing plates, re-circulation hoses. TÜV tested, according to ISO 11143 standard	
	Item043391	Version for Turbo-Smart 2V 2017 WI-FI Components: 1 Hydrocyclone ISO 18, fixing plates, re-circulation hoses. TÜV tested, according to ISO 11143 standard	

TURBO-SMART 2V SUPPLEMENTARY SILENCER

	Item160566	Turbo-Smart 2V supplementary silencer	
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* Sound pressure level tested according to ISO regulation 3746-1979 (E). Parameters: r = 1.5 – background noise: 34 dB (A). instrument Brüel & Kjaer type 2232. Antibacterial filters for the exhausted air on page 71


MICRO-SMART CUBE AND TURBO-SMART CUBE


- The aspirator CUBE range have small dimensions and more quiet if compared to the previous models, but the power remains the same, thanks to the new technology. As a matter of fact it is not possible to have power and energy saving without the inverter, electronic devices, computer and software; the last two are necessary to control operating head and flow values, to get the active autoprotection and the self-testing as well as energy saving, to be environmentally friendly and to have a remote control to monitor the aspirator functioning, having the possibility to intervene, if necessary. If any problem occurs as for feeding, work and use conditions, the aspirators set in active autoprotection mode, modifying automatically the running parameters in order to solve the emergency and automatically sets back the programmed functions when the emergency is over.
- Micro-Smart Cube and Turbo-Smart Cube can be controlled by the dentist by means of SmartApp



We suggest to read paragraph “The details that matter” on page 6 before purchasing any Cattani equipment.

MICRO-SMART CUBE		
	Item035031 (230V 50/60Hz 1~)	Micro-Smart CUBE Input power 0.95 kW – rated current 4 A. Maximum operating head for continuous service 210 mbar. Maximum flow 1000 l/min Suggested for 1-2 surgeries working at the same time. Sound pressure level with canalized air 59 dB (A)* W= 420 mm D= 350 mm H= 470 mm Net Weight=21.5 kg (Gross Weight=30 kg)
	Item 035030** (230V 50/60Hz 1~)	Micro-Smart CUBE fitted with Hydrocyclone ISO6 Net Weight= 23 kg (Gross Weight= 31 kg)

HYDROCYCLONE ISO 6		
	Item043381	Version for Micro-Smart CUBE Components: 1 Hydrocyclone ISO 6, fixing plates, re-circulation hoses. TÜV tested, according to ISO 11143 standard

MICRO-SMART CUBE CONTROL KEYPAD		
	Item181644	Micro-Smart CUBE control keypad

* Sound pressure level tested according to ISO regulation 3746-1979 (E). Parameters: r = 1.5 – background noise: 34 dB (A). Instrument Brüel & Kjaer type 2232.

** Fitted with control keypad.

Antibacterial filters for the exhausted air on page 71

MICRO-SMART CUBE SUPPLEMENTARY SILENCER



Item160569

Micro-Smart CUBE supplementary silencer

TURBO-SMART CUBE “A” VERSION



Item035121
(230V50/60Hz 1~)

Turbo-Smart CUBE “A” version

Input power 1.2kW – rated current 5.5 A.
Maximum operating head for continuous service 210 mbar.

Maximum flow 1400 l/min

Suggested for two surgeries working at the same time.

Sound pressure level with canalized air 60 dB (A)*

W= 500 mm D= 370 mm H= 650 mm

Net Weight: 36 kg (Gross Weight: 43 kg)

Item035120
(230V50/60Hz 1~)

Turbo-Smart CUBE “A” version fitted with Hydrocyclone ISO 18

Net Weight= 38 kg (Gross Weight= 44 kg)

PASSWORD TO TURN TURBO-SMART CUBE INTO “B” VERSION

Item035500
(to be considered as spare part)

Turbo-Smart CUBE in “B” version (upgraded by means of a password) has the following characteristics:

Input power 1,6 kW - rated current 7 A.

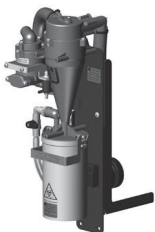
Maximum operating head for continuous service 210 mbar.

Maximum flow 1700 l/min.

Suggested for 4 surgeries working at the same time.

Sound pressure level with canalized air 60 dB (A)*

HYDROCYCLONE ISO 18



Item043392

Version for Turbo-Smart CUBE

Components: 1 Hydrocyclone ISO 18, fixing plates, re-circulation hoses. TÜV tested, according to ISO 11143 standard

TURBO-SMART CUBE SUPPLEMENTARY SILENCER



Item160566

Turbo-Smart CUBE supplementary silencer

END-OF-LINE VALVE FOR CENTRALIZED PLANTS



Item203770

End-of-line valve for centralized plants

The end-of-line valve sets into operation to boost the air inlet and to empty any siphon hindering the regular and constant suction.

Siphons are a very common installation fault of the suction network due to the large number of hoses that have to be hidden under the floor of a dental practice. When opening, the end-of-line valve causes the emptying of the siphons through a water hammer

