



ENDO 3 DCA | DCI

Drying and storage
cabinets

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Your Health, our Technology



ENDO 3 for ventilation and storage of endoscopes in complete safety.

DC70 cabinets for drying, surgical instruments and anesthesia breathing circuits safely and flawlessly.

Thanks to the use of the highest technology, these cabinets have been developed to offer different models, suitable for the enormous variety of instruments found in hospital wards, operating theatres and sterilisation facilities, satisfying every type of medical requirement.

The large choice of baskets, inserts and shelves allows the user to dry and ventilate the most sophisticated instruments, such as tubular instruments.

This line offers high reliability, benefiting operators!



ENDO 3 cabinets comply with the EN 16442 Standard.



Excellent results



Color graphic display



Energy saving



Partial recycling of air



Controlled warm air



Drying programmes and ventilation innovative

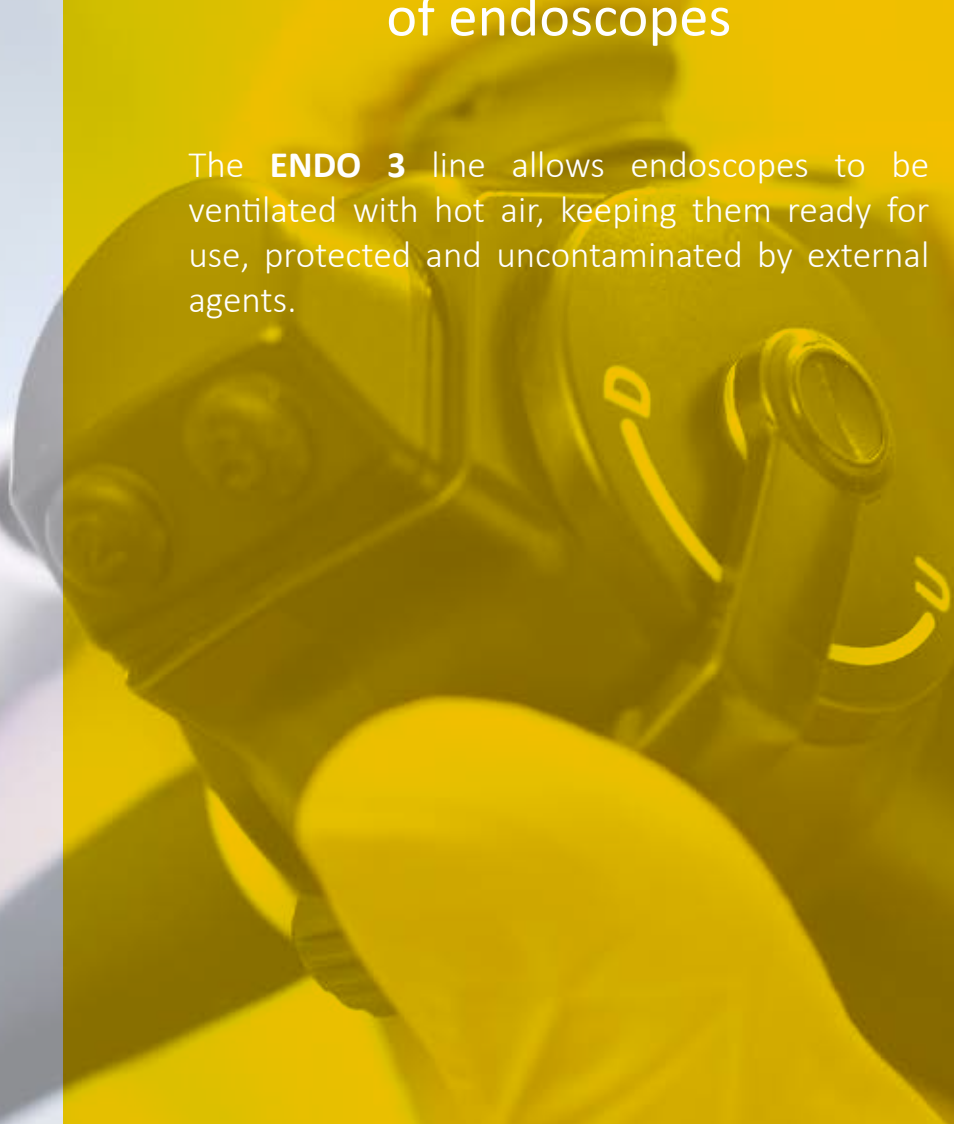


High reliability

ENDO 3 CABINETS

Line of cabinets for
ventilation and storage
of endoscopes

The **ENDO 3** line allows endoscopes to be ventilated with hot air, keeping them ready for use, protected and uncontaminated by external agents.



ENDO 3 line

Ventilated cabinet for endoscopes



Stainless steel design

ENDO 3s machines are completely made of AISI 304 (DIN 1.4301) stainless steel with a Scotch Brite brushed finish that facilitates cleaning operations. The door has a stainless steel frame, tempered glass doors, and a silicone perimeter gasket that provides a perfect seal and a good barrier against dirt and dust, which is also ensured by an overpressure inside the chamber.



Touch-pad keyboard with graphic display

A colour touch screen monitor is installed on the side panel of the ENDO 3, which shows the status of the cabinet as well as being used to manage all parameters.



Alarm-check system

This system helps to understand why an alarm has occurred before consulting the user manual. A text appears on the display with the number, the image of the alarm and the text explaining the possible causes of it.



Door locking and security system

Locking system capable of locking the door and allowing it to be opened only by authorized operators via password. In addition there is a lock with a key.



Sliding vertical panels

ENDO 3 is equipped with 3 vertical, removable, AISI 304 stainless steel panels, each equipped with 2 hooks on each side. For each panel, up to 4 endoscopes (Pentax, Fuji, Olympus etc.) can be stored via universal holders and hooks, for a total of 12 endoscopes per cabinet. The panels are equipped with removable drip trays and allow for easy insertion as well as secure attachment of the endoscopes in the provided slots to prevent any damage. The upright position also allows the internal drying of the channels to be maintained.



Ventilation with HEPA H14 filter

Ventilation of the endoscopes is via a three-way quick connector connected to the ducts. Ambient air is drawn in and filtered through a HEPA H14 filter, and then heated to the desired temperature (not exceeding 40°C / 104°F). The HEPA H14 filter can block fine particulate matter in the air with an efficiency of 99.995%. In addition, in order not to damage or clog the filter, a prefilter is placed in front of it to block larger dust.



Pressure monitoring

The free passage of air inside the endoscope channels is constantly monitored by a pressure switch that monitors pressure and allows for improved operation and safety.



Printer

ENDO 3s are equipped with a built-in thermal printer that prints a receipt each time an endoscope is picked up. The receipt shows the information: user, type of endoscope, day and time of loading and withdrawal, remaining hours of storage, status of the endoscope, and any other related events.



PLC system

The PLC system guarantees total traceability, storing every detail of the storage system. The system records the name of the operators using a particular endoscope, the date and time of storage and collection of the endoscope and much more. It also constantly monitors how long each endoscope is stored in the cabinet, alerting the user with an alarm when the set interval expires.



LED light inside cabinets

At the top of the cabinet, two low-energy LED lights are installed to improve visibility during loading and unloading endoscopes.



Ventilation endoscope ducts

For ventilation the endoscope ducts, connector kits are required (one per endoscope) consisting of silicon tubing and connectors suitable for the type of instrument used OLYMPUS, FUJI, PENTAX etc. The KIT is supplied on request by communicating the model and version of the instruments supplied.



Connection RS232 port

The cabinet is equipped with an RS232 port for external connections, such as a thermal printer.



Barcode reader

The cabinets are integrated with a barcode reader to identify the user operating the cabinet and the types and quantity of endoscopes being inserted and removed.



USB port

The cabinet is equipped with a USB port that allows a digital copy of the receipts, which are printed each time an endoscope is removed from the cabinet, to be saved on an external USB memory.

STOP CROSS CONTAMINATION!



“ Thanks to a system of 12 mini air compressors separated and dedicated connector kits, **ENDO 3** cabinets avoid cross-contamination, thus increasing **safety** and **hygiene levels**. ”

ENDO 3

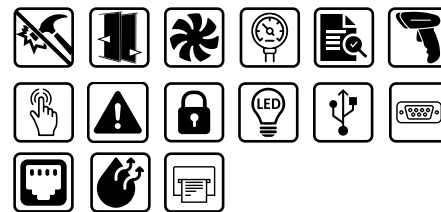
The front door is made of tempered glass for easy visual inspection of the instruments inside the cabinet.

The internal chamber is equipped with double-walled perimeter panels, internally soundproofed with special soundproofing material.

The instruments are stored on 3 removable vertical panels made of AISI 304 stainless steel, each equipped with 2 hooks per side (for a total of 4 endoscopes stored per panel).

The panels with total extraction allow for easy insertion as well as secure fastening in the slots provided to prevent damage to the instruments themselves.

Thanks to filtered air circulation with a HEPA H14 filter, the items are protected from dust and stored in a controlled environment.



Kit connectors



Barcode reader



Printer integrated

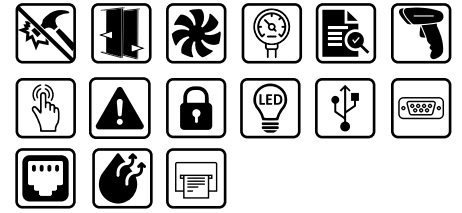


Filter Hepa H14

The ENDO 3 ventilation system has been tested in an accredited external laboratory according to EN 16442:2015. Storage cabinet with controlled environment for up to 192 hours.

ENDO 3D

The ENDO 3D version provides a stainless steel through-door interlocked completely in tempered glass, for easy visual inspection of the instruments inside the cabinet. The through-door facilitates the loading and unloading of endoscopes and is suitable for installations where the dirty room is separated from the clean room, to avoid any risk of contamination and speed up the work process.



+ PRACTICE - RISK



Kit connectors



Barcode reader



Printer integrated



Filter Hepa H14

■ Technical features

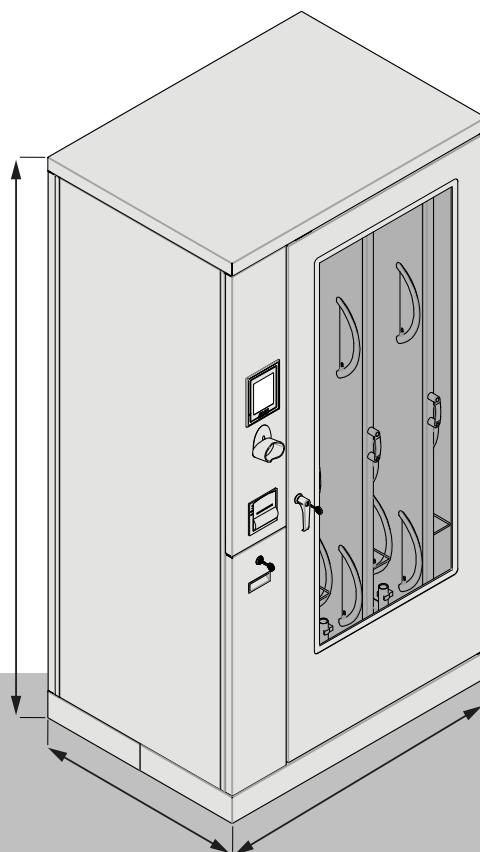
	ENDO 3	ENDO 3D
Model code	18008544	18008545
Internal dimensions (WxDxH)	785x742x1883 mm (30.9"x29.2"x74.1")	785x742x1883 mm (30.9"x29.2"x74.1")
Indicative weight	350 Kg (772 lbs)	350 Kg (772 lbs)
Average air flow rate into cabinet	150 m ³ /h	150 m ³ /h
Internal pressure	101325 Pa	101325 Pa
Thermal dispersion (Maximum)	358947,37 J/h (341 BTU/h)	358947,37 J/h (341 BTU/h)
Internal volume	1096 l (290 Gal)	1096 l (290 Gal)
Communication ports	USB per PC e FLASH DRIVE; Porta ETHERNET; Porta RS232.	USB per PC e FLASH DRIVE; Porta ETHERNET; Porta RS232.
Noisiness	<50 (dBA)	<50 (dBA)
Connection accessory kit	●	●
1x Touch control panel	✓	✓
2x Touch control panels	✗	✓
Manual interlocked front door	✓	✓
Manual interlocked rear door	✗	✓
Forced-air ventilation	✓	✓
HEPA H14 filter	✓	✓
Print	✓	✓
Front barcode reader	✓	✓
Rear barcode reader	✗	✓

- ✓ Standard
- On request
- ✗ Not available

■ External dimensions

ENDO 3 | ENDO 3D

WxDxH: 1100x800x2100 mm
(43.3"x31.5"x82.7")



The reference values are based on standard model.

HOSPITAL

DENTAL

LABORATORY

DRYING AND STORAGE CABINETS

CSSD

RETIREMENT HOMES

STAINLESS STEEL FURNITURE



AT-OS SRL

Viale del Lavoro, 19- 37030 Colognola ai Colli

Verona- ITALY

Tel (+39) 045 6159411- Fax (+39) 045 6159422

info@at-os.com | www.at-os.com

