



ED Series

Endoscope drying
and storage
cabinets



Miele

Group
Member



Customization. Innovation. Excellence.

Driven by customer needs

Steelco is a leading infection control solution provider, supplying the healthcare, laboratory research and pharma sectors. Active in over 100 countries, Steelco has equipped numerous world renowned hospitals and counts among its customers household names in the laboratory, pharmaceutical and industrial sectors.

Driven by customer feedback, Steelco develops, manufactures and supplies solutions that maximize infection control, safety, optimize processes and minimize costs. Already a leader in innovation in areas such as automation, the integration within the Miele organization has provided additional boost in technological development.

Steelco provides technical service and user training courses at the Steelco Academy as well as at customer sites.

Our optional remote diagnostics capabilities and worldwide team of factory trained engineers ensure that you receive the service support you need to cost effectively maximize the uptime of your equipment.



Steelco ED Series

Storage and logistics for flexible endoscopes

Small Endoscopy Clinics

Steelco drying cabinets are designed to store flexible endoscopes, and respond to the needs of both small clinics and endoscopy departments of big hospitals dealing with significantly high throughput.

The wide range available allows our customers to make a tailor-made choice based on their environment and workflow: horizontal or vertical storage of endoscopes, door opening to the right or to the left, barcode / RFID options for the recognition of the operator and instrument. Steelco offers a holistic approach to respond to all safety aspects even in small clinics.

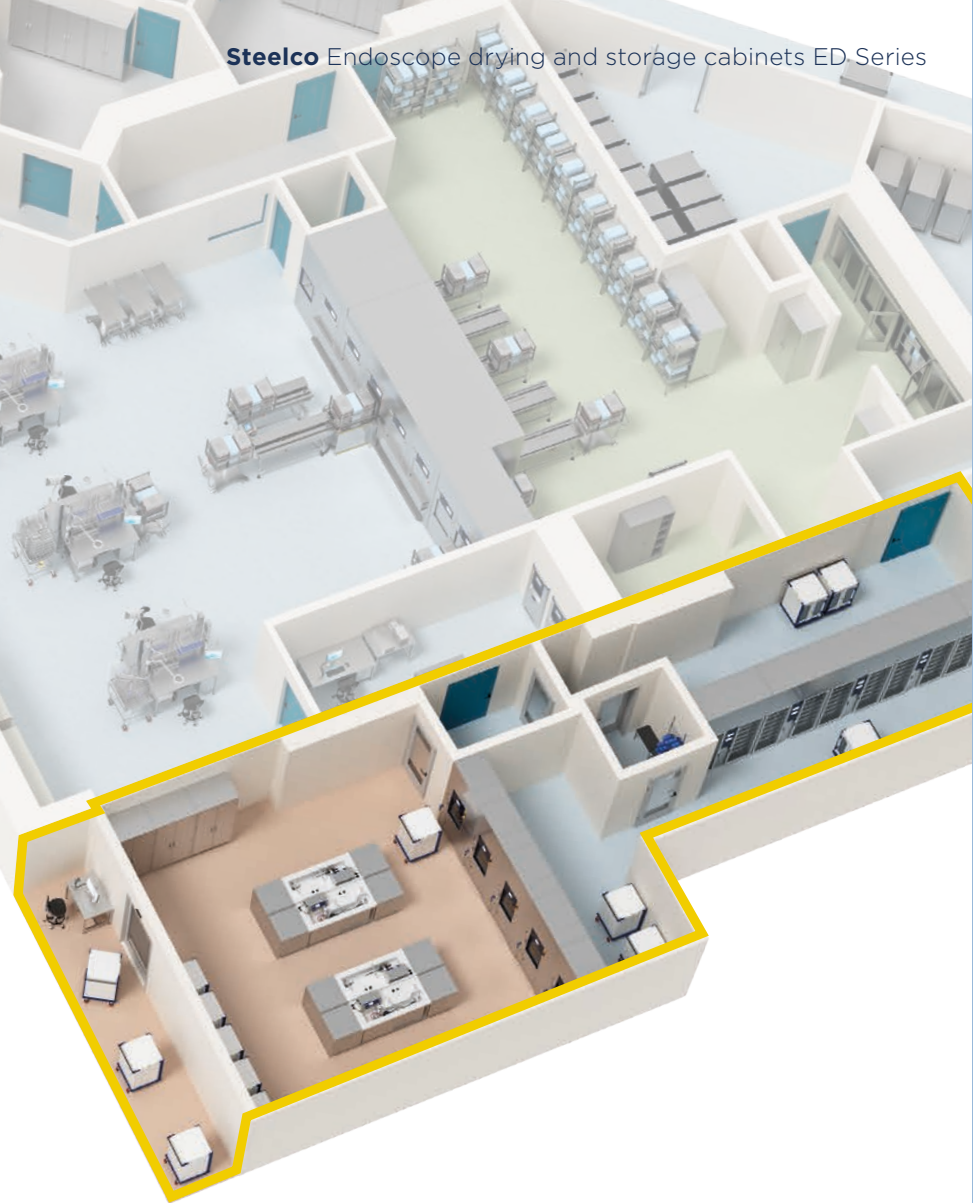
The ED 100 and ED 150 models introduce the Steelco series, and are also available in a double door version for pass-through applications.



Integration of Endoscope Reprocessing in CSSD

Thanks to the flexible configuration of the ED series, Steelco offers turnkey solutions also for those hospitals that have decided to centralize the endoscopy reprocessing activity inside their CSSDs. The ideal choice to boost hospital efficacy by exploiting synergies linked to personnel training and availability.

The ED 200, ED 250, ED 200 S devices - in their pass-through versions - respond to the need for separate and high-productivity areas, and provide the complete traceability of endoscopes thanks to the SteelcoData software.



ED Series

Aseptic vertical and horizontal drying and storage for flexible endoscopes



ED 100

- Horizontal storage
- Single or double door/s

8 endoscopes capacity

ED 150

- Vertical storage
- Single or double door/s
- Double cabinet configuration

9 or 18 endoscopes capacity

ED 200

- Horizontal storage
- Single or double door/s
- Double cabinet configuration

8 or 16 endoscopes capacity

ED 250

- Vertical storage
- Single or double door/s
- Double cabinet configuration

9 or 18 endoscopes capacity

ED 200 S

- Horizontal storage
- Single or double door/s
- Double cabinet option
- OCS technology

8 or 16 endoscopes capacity

Key Advantages

a winning combination

Following effective cleaning and disinfection in an automated endoscope reprocessor and maintaining the microbiological integrity of endoscopes during storage is fundamental in reducing cross contamination risks. Steelco ensures this in a number of ways.

Tailored customization – horizontal or vertical storage, a scope capacity of up to 18 endoscopes, single or double interlocked doors for pass-through versions – combined with HEPA H14 drying efficacy, and full traceability provide optimal performance and workflow optimization.

Designed to comply with latest standards:

European Directive for Medical Devices:

- 2017/745 (EU) Medical Device Regulation (MDR)

Technical norms and standards:

- UNI EN 16442 Controlled environment storage cabinet for processed thermolabile endoscopes



Process Quality Focus

Steelco ED series has been independently validated by european certified laboratories for maintaining **aseptic integrity up to 720 or 840 hours** (depending on each specific model), providing you with greater safety when storing your endoscopes.

Optimal drying of the external surface of endoscopes and internal channels thanks to HEPA H14 and 0,2 micron filters and the optional indirect UV light air treatment.



Safety & Efficiency Workflow

Solutions to maximize efficiency while decreasing the risk of cross contamination, created around operators to assist them in their daily work routines.

The goal is to streamline the workflow, providing ergonomic, safe and user-friendly systems for the reprocessing of endoscopes, including smart connections and a complete line of transport trolleys and accessories.



One-time Connection System

Endoscope reprocessing without compromises! Yet another step forward to ensure endoscopes reprocessing to be fast, error-proof and with the minimum risk of cross-contamination: the OCS system is a one-time connection shared between prewashing, washing/disinfection, and drying/storage devices.

A fast, safe and user-friendly technology that minimizes endoscopes handling in all the phases of the process.



Layout Optimization Solutions

Thanks to its flexible configuration, the ED series has been developed to fulfill the needs of every department and workflow. Single or double door configurations, flexible door opening to the right or to the left, double cabinets with a common technical area, vertical or horizontal storage and frontal access for easy maintenance.

Plug & play systems for easy installations.

Horizontal drying and storage cabinets



ED 100 configuration

- + LED display
- + 8 levels capacity, up to 9 levels as an option
- + Mesh baskets with lower trays for water dripping
- + Single door or pass through versions
- + HST temperate double glass hinged doors can be configured with right or left opening



ED 200 configuration

- + Touch screen display with endoscope status
- + 8 endoscopes capacity, 16 endoscopes for double cabinet version*
- + Endoscope cassettes or mesh baskets with lower trays for water dripping
- + Single door or pass through versions
- + Integrated printer
- + SteelcoData Live & Ares

* 9 levels capacity as an option only for stainless steel mesh trays version

Transport trolleys

To improve and maximize safety, thus reducing cross contamination risk while moving the endoscope across GI dirty and clean paths. The T361 trolley is equipped with 4 standard shelves for transporting trays or cassettes, as an option it can reach up to 6 shelves.





Air filtering

The ED range is fitted with HEPA H14 and 0,2 micron filters for ultimate safety. Built in air compressor or connection to external medical compressed air depending on model configuration. Flow rates monitored in individual scopes depending on cabinet model.

Convenient access to ease filters changing procedures.



UV light treatment

Indirect UV drying air treatment as an option.



Microbiological integrity

Steelco ED series has been independently validated by european certified laboratories for maintaining **aseptic integrity up to 720 or 840 hours** (depending on each specific model), providing you with greater safety when storing your endoscopes.



Channel connection

Endoscope connection can be **automatic** with plastic cassettes or **manual** with stainless steel trays and CPC connectors.



Barcode or RFID option

Faster endoscope and operator recognition through barcode or RFID reader options.

Not available for ED 100.



Safety accessories

To best ensure safety and efficiency the whole workflow needs to be considered. Among others, Steelco can indeed provide storage cassettes compatible with T361 transport cart, soiled (red) or clean (white) endoscope transport bags, red/green tamper proof seals for easy endoscope status identification.



Vertical drying and storage cabinets



ED 150 configuration

- + LED Display
- + 9 endoscopes capacity, 18 endoscopes capacity for double cabinet version
- + Single door or pass through versions
- + HST temperate double glass hinged door can be configured with right or left opening



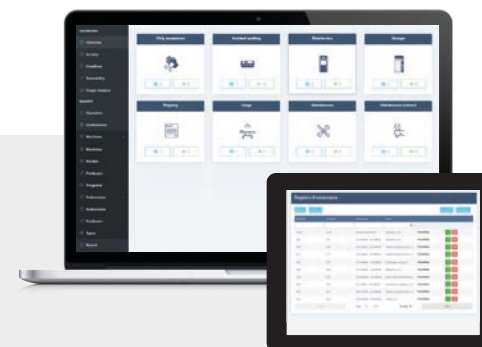
ED 250 configuration

- + Touch screen display with endoscope status
- + 9 endoscopes capacity, 18 endoscopes capacity for double cabinet version
- + Single door or pass through versions
- + Integrated printer
- + Light inside the chamber as an option
- + SteelcoData Live & Ares

SteelcoData Live & Ares Management & traceability system

Steelco has developed a suite of different tailor-made solutions to ensure you have the information you need on the performance of your endoscopy, the cycles they are running as well as full traceability of flexible endoscopes.

- **SteelcoData Live** for the machine and cycle traceability
- **SteelcoData Ares** for the complete endoscope reprocessing traceability





Air filtering

The ED range is fitted with HEPA H14 and 0,2 micron filters for ultimate safety. Built in air compressor or connection to external medical compressed air depending on model configuration. Flow rates monitored in individual scopes depending on cabinet model.

Convenient access to ease filters changing procedures.



UV light treatment

Indirect UV drying air treatment as an option.



Microbiological integrity

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Channel connection

Manual endoscope connection with CPC connectors. The sliding holder design allows easy access from either side of the cabinet in a compact footprint.



Barcode or RFID option

Faster endoscope and operator recognition through barcode or RFID reader options.

Not available for ED 150.



Endoscope status

The software monitors the status of the endoscopes thanks to colour coded alerts.

- Drying
- Available for use
- Storage time pre expiry alarm
- Storage time limit expired

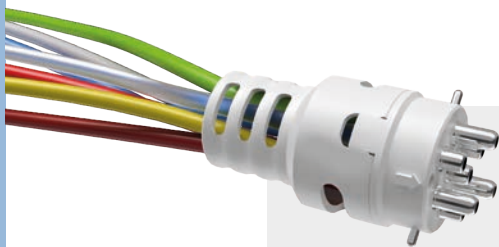
ED 200 S

Horizontal drying and storage cabinets with OCS system



Key features

- + Touch screen display with endoscope status
- + 8 endoscopes capacity, 16 scopes capacity for double cabinet version
- + Sliding shelves with stainless steel trays
- + Fully accessible female OCS connection for an ergonomic and effortless endoscope connection and disconnection, and to minimize endoscope handling
- + Direct connection to external medical grade compressed air
- + Single door or pass through versions
- + Integrated printer
- + SteelcoData Live & Ares
- + AERs "S" series baskets fully compatible with ED 200 S



OCS One-Time Connection System

Steelco OCS One-Time Connection System has been studied as a unique endoscope connector following the endoscope during all the reprocessing steps. This allows the user to connect the endoscope just once, starting with the semi automation of manual cleaning.





Air filtering

The ED range is fitted with HEPA H14 and 0,2 micron filters for ultimate safety. Built in air compressor or connection to external medical compressed air depending on model configuration. Flow rates monitored in individual scopes depending on cabinet model.

Convenient access to ease filters changing procedures.



UV light treatment

Indirect UV drying air treatment as an option.



Microbiological integrity

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Channel connection

Sliding levels with fully accessible female OCS connections. This fast, ergonomic, and user-friendly technology allows one-time endoscope handling and channel connection, simultaneously ensuring three times faster connection.



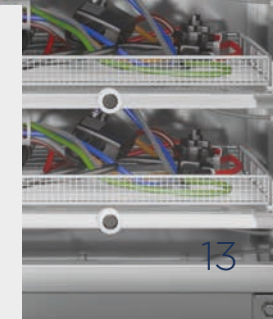
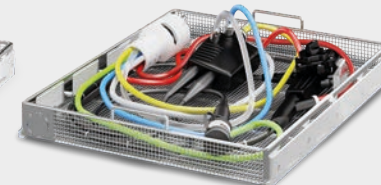
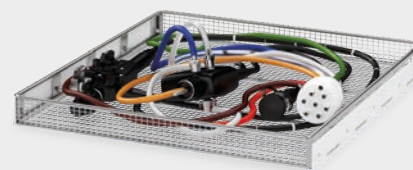
Barcode or RFID option

Faster endoscope and operator recognition through barcode or RFID reader options.



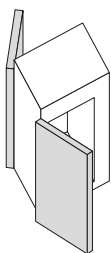
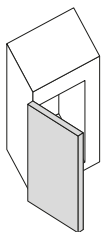
Flexible washing cart configuration depending on the "S" model of AER chosen.

	C1797	C586	C961	C1210
EW 1 S MAXI	•			
EW 1 S		•		
EW 2 S			•	•

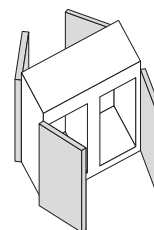
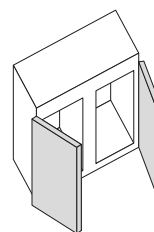


Dimensions

Layouts and configurations



Model single device		Overall dimensions WxDxH		
Single door				
ED 100/1	mm	712	786	1905
	inches	28 1⁄16	30 15⁄16	75
ED 150/1	mm	968	810	2270
	inches	38 1⁄8	31 7⁄8	89 3⁄8
ED 200/1	mm	968	810	1908
	inches	38 1⁄8	31 7⁄8	75 1⁄8
ED 200/1 S	mm	968	810	1908
	inches	38 1⁄8	31 7⁄8	75 1⁄8
ED 250/1	mm	968	810	2270
	inches	38 1⁄8	31 7⁄8	89 3⁄8
Double door				
ED 100/2	mm	712	837	1905
	inches	28 1⁄16	32 15⁄16	75
ED 150/2	mm	968	845	2270
	inches	38 1⁄8	33 1⁄4	89 3⁄8
ED 200/2	mm	968	845	1908
	inches	38 1⁄8	33 1⁄4	75 1⁄8
ED 200/2 S	mm	968	845	1908
	inches	38 1⁄8	33 1⁄4	75 1⁄8
ED 250/2	mm	968	845	2270
	inches	38 1⁄8	33 1⁄4	89 3⁄8



Model combined device		Overall dimensions WxDxH		
Single door				
ED 150/3	mm	1713	810	2270
	inches	67 7⁄16	31 7⁄8	89 3⁄8
ED 200/3	mm	1705	810	1908
	inches	67 1⁄8	31 7⁄8	75 1⁄8
ED 200/3 S	mm	1705	810	1908
	inches	67 1⁄8	31 7⁄8	75 1⁄8
ED 250/3	mm	1705	810	2270
	inches	67 1⁄8	31 7⁄8	89 3⁄8
Double door				
ED 200/4	mm	1705	845	1908
	inches	67 1⁄8	33 1⁄4	75 1⁄8
ED 200/4 S	mm	1705	845	1908
	inches	67 1⁄8	33 1⁄4	75 1⁄8
ED 250/4	mm	1705	845	2270
	inches	67 1⁄8	33 1⁄4	89 3⁄8



3D design to meet the needs of every facility

Steelco provides a 3D design service that includes the analysis and the study of layouts, workflows and productivity, both for brand new installations and for the renovation or refurbishment of already existing ones.



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