

## Flexible endoscope automated reprocessing system

Safe and user friendly solutions for clinics





## Steelco EW 1 Series Compact Automatic Endoscope Reprocessor



*Rack configuration  
for asynchronous  
reprocessing*

Its **compact design** grants the highest level of flexibility assuring, at the same time, **low cycle costs** through a **reduced consumption** of water, chemical and energy.



**Pass-through  
version  
available!**

The EW 1 washer disinfector is able to reprocess flexible endoscopes of all types and brands such as gastroscopes, colonoscopes, duodenoscopes, ecoendoscopes, video and fiber enteroscopes or bronchoscopes, cistoscopes, histeroscopes.... per cycle.

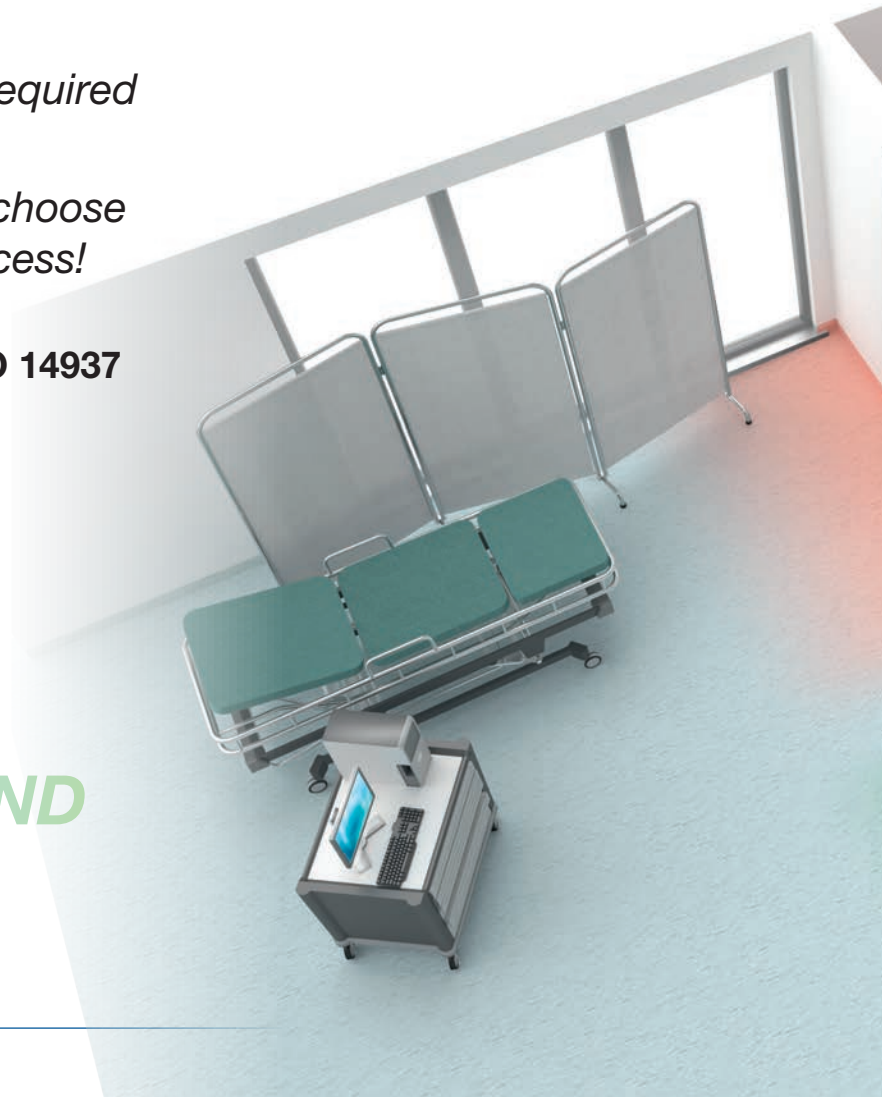
*What is the level of treatment required  
for your endoscopes?*

*Now you have the freedom to choose  
the most suitable and safe process!*

**EW1, DOUBLE ISO 15883-4 & ISO 14937  
COMBINATION COMPLIANCE**



**360° PEACE OF MIND**



# ARES

## The new standard for maximum safety in endoscope reprocessing

Working in close collaboration with leading endoscope reprocessing centres, Steelco developed the ARES system to best meet the current and future needs of clinicians.

### EPW 100

Automated system to assist manual cleaning



### EW 1 series

Compact Automatic Endoscope Reprocessor



### ED series

Aseptic vertical and horizontal endoscope storage



### Transport trolley

Short term transportation system



### SteelcoSure

Independent performance verification of your equipment and processes.

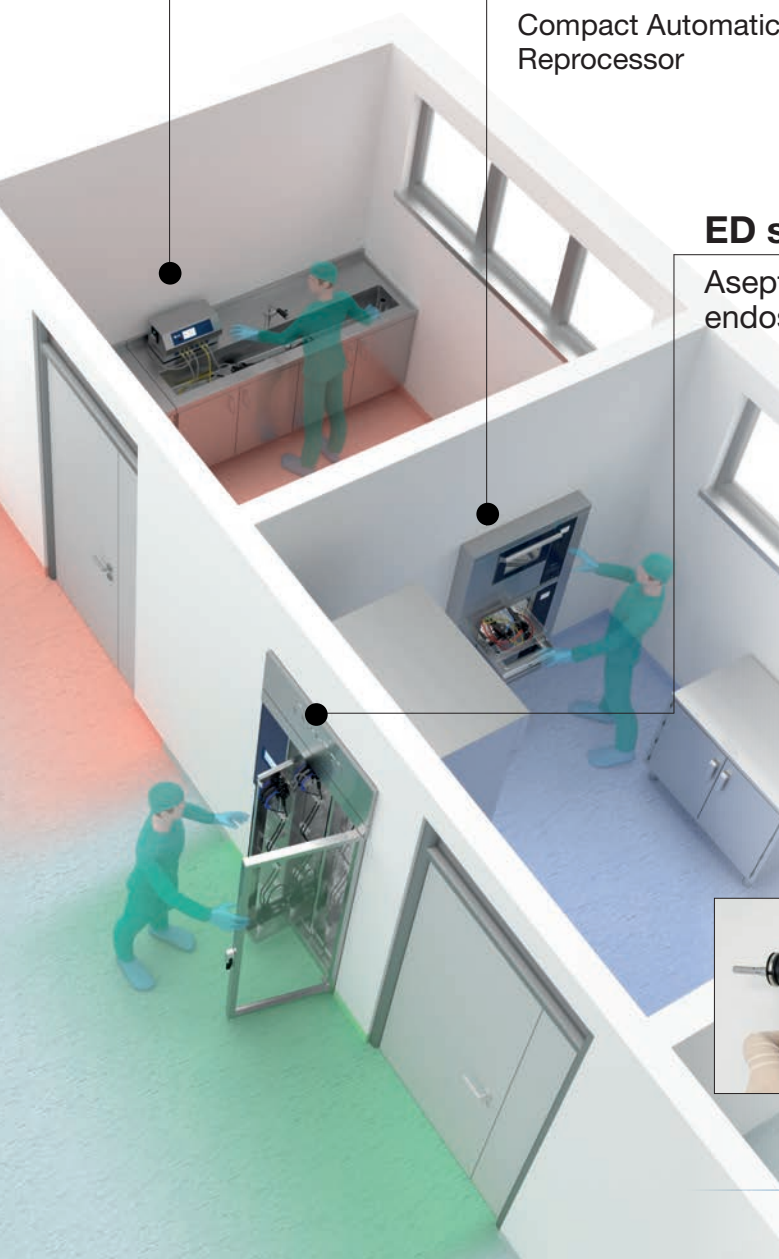
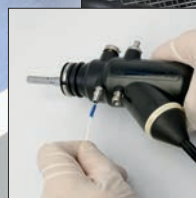
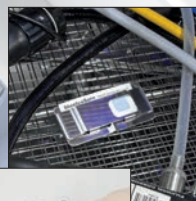
Indicators for monitoring endoscope reprocessors:

**Hydrogen peroxide chemical indicator**

Products for monitoring residual protein:

**Long lumen protein detection test**

**Protein detection test**





# Steelco EW 1 Series

## Compact Automatic Endoscope Reprocessor

### Technology Exceeding Performance

DOUBLE ISO 15883-4 & ISO 14937  
COMBINATION COMPLIANCE.

SteelcoXide chemical configuration – Hydrogen Peroxide bi-component – makes all of this possible with its unique composition combining the properties of ADAMAVIR COMPLEX® salt with the properties of hydrogen peroxide.

The detergent SteelcoXide-DT boosts the proteolytic properties of ADAMAVIR COMPLEX® with an enzymatic complex and ionic surfactants.



EW 1 system is also compliant to ISO 15883-4 with fast validated High Level Disinfection cycles that allow a fast endoscopes turnover in busy Departments.



EW 1 technology has been validated according to ISO 14937 - as a Liquid Sterilizer - in line with customers needs and endoscope reprocessing latest requirements to fulfill Pneumology, Urology and Gastroenterology Departments requests of higher standard of logarithmic reduction.

When liquid sterilization is the goal, the answer is a “ready to go” cycle performed directly in the Point of Use with the release of a sterilized device.

### Thermal self disinfection

Thermal self disinfection cycle of the washer and of the washing basket according to the preferred method indicated in EN ISO 15883-4



### Process traceability



Instrument and operator recognition can be faster through the bar-code reader option.

### EW 1 options available

- Light inside the chamber
- Barcode reader
- Conductivity sensor
- Water softner
- Stand on wheels (+255mm height)
- Ethernet connection
- Rack for two EW 1 A.E.R.
- Washing chamber with forced HEPA H14 filtered warm air drying
- SteelcoDATA software allows centralized cycle data collection for traceability and statistic.



## Main features



Ergonomic loading and unloading thanks to removable washing baskets

Intuitive panel control  
3 levels of access: installation, service, user.



Batch data information can be stored on a memory stick connected to the integrated USB interface or alternatively printed by the built-in thermal printer ST1.



### MONITORING

Integrated endoscope channel monitoring system with 2 independent sensors.  
Leak test: continuous monitoring during all the cycle phases. Automatic cycle stop in case of anomaly.  
Customized endoscopes calibration on site!

### MICROBIOLOGICAL FILTRATION

Integrated sterile filters for channels purging and drying. Double microbiological filtration system. Validated efficacy against endotoxins removal.



Safe and easy chemical operation

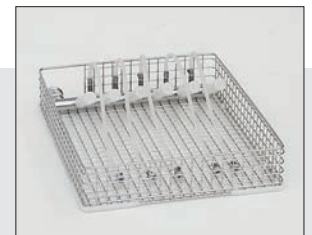
## High throughput washing carts

The washing baskets allows the proper placement of the endoscopic instrument, avoids overlapping points and places the connection tube and the distal tube in a constant slope to facilitate the natural drain of fluids from the channels.



### Video/fibrobronchoscopes

Simultaneous treatment of:  
2 videobronchoscopes/ cystoscopes or  
3 fiberscopes/cystoscopes.



### Rigid scopes

Washing cart for up to nr. 11 rigid scopes: 6 injection sleeves (max. instr. length 450mm); 5 luer lock connections for injection washing (max. instr. length 350mm)



# ARES SYSTEM

## The new standard for the AER departments



### EPW 100

Automated system to assist manual cleaning

The Steelco EPW 100 assists operators during manual cleaning phase by **leak testing** endoscopes, **flushing and rinsing channels**, **eliminating the risk of stress** induced injuries and providing a **permanent record of the process** that can be printed, transferred to a USB stick or integrated into SteelcoData.

✓ This systems allows total immersion of endoscopes according to most European country guidelines.

✓ Traceability of critical parameters of manual cleaning process

✓ Controlled correct pressure and volume during flushing and rinsing phases

✓ Identification of operator and endoscope using barcode

✓ Organic residue testing facility

✓ Automatic dosing of correct detergent

✓ Residual detergent risk eliminated through automated flushing



### ED series

Aseptic vertical and horizontal endoscope storage

Both **vertical hanging** and **horizontal basket** in **single door or pass through versions** with left or right hand door swings.

✓ Single cabinet or double cabinet combined versions.

✓ Indirect UV light air treatment option

Independently validated to retain microbiology integrity **up to 720 hours according to EN 16442**

The **ED 100** cabinet aseptic **horizontal** storage

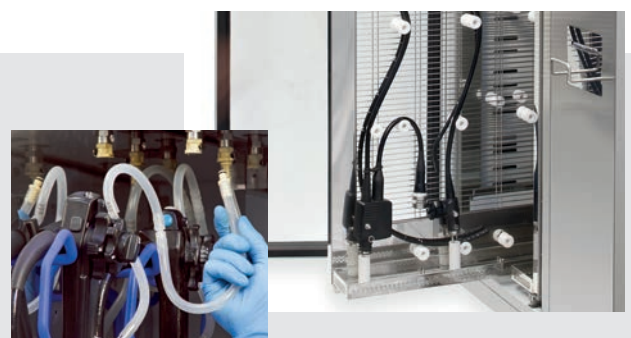


capacity endoscopes

The **ED 150** cabinet aseptic **vertical** storage



capacity endoscopes

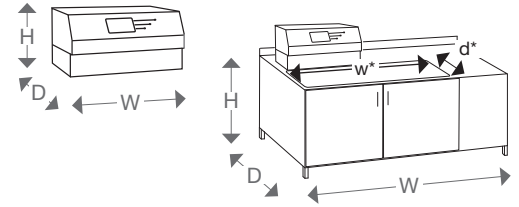


## Size and Dimensions

### EPW 100 and sink/furniture for manual cleaning

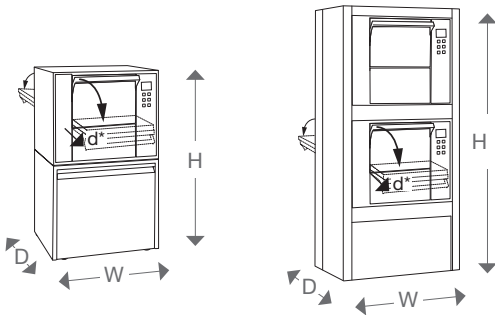
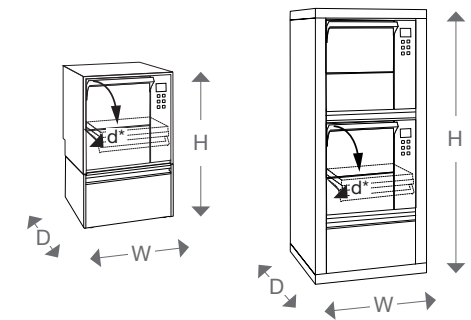
|                              |           | W            | D           | H          | w*            | d*           |
|------------------------------|-----------|--------------|-------------|------------|---------------|--------------|
| <b>EPW 100</b>               | mm/inches | 450/17 3/4   | 240/9 7/16  | 230/9 1/16 |               |              |
| <b>99911264*</b>             | mm/inches | 2000/78 3/4  | 700/27 9/16 | 985/38 3/4 | 1850/72 13/16 | 250/9 13/16  |
| <b>99911265*</b>             | mm/inches | 1200/47 1/4  | 700/27 9/16 | 985/38 3/4 | 1050/41 5/16  | 300/11 13/16 |
| <b>99911266 side cabinet</b> | mm/inches | 500/19 11/16 | 700/27 9/16 | 985/38 3/4 |               |              |

\* available with automatic filling and draining (99912015 - 99912083)



### EW 1 - single door

|                                |           | W          | D            | d*      | H             |
|--------------------------------|-----------|------------|--------------|---------|---------------|
| <b>EW 1 stand alone</b>        | mm/inches | 600/23 5/8 | 630/24 13/16 | +280/11 | 960/37 13/16  |
| <b>EW 1 rack configuration</b> | mm/inches | 750/29 1/2 | 690/27 3/16  | +280/11 | 1643/64 11/16 |

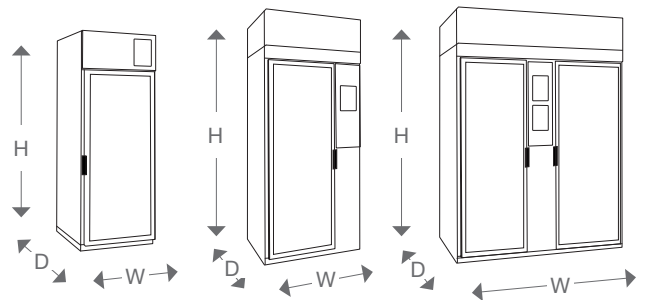


### EW 1 - double door

|                                |           | W            | D           | d*      | H           |
|--------------------------------|-----------|--------------|-------------|---------|-------------|
| <b>EW 1 stand alone</b>        | mm/inches | 710/27 15/16 | 570/22 7/16 | +280/11 | 1206/47 1/2 |
| <b>EW 1 rack configuration</b> | mm/inches | 860/33 7/8   | 570/22 7/16 | +280/11 | 1663/65 1/2 |

### ED Series - Drying and storage cabinet

|                             |           | W            | D           | H             |
|-----------------------------|-----------|--------------|-------------|---------------|
| <b>Horizontal storage</b>   |           |              |             |               |
| <b>ED 100/1 single door</b> | mm/inches | 710/27 15/16 | 820/32 1/4  | 1900/74 13/16 |
| <b>ED 100/2 double door</b> | mm/inches | 710/27 15/16 | 840/33 1/16 | 1900/74 13/16 |
| <b>Vertical storage</b>     |           |              |             |               |
| <b>ED 150/1 single door</b> | mm/inches | 968/38 1/8   | 787/31      | 2270/89 3/8   |
| <b>ED 150/2 double door</b> | mm/inches | 968/38 1/8   | 840/33 1/16 | 2270/89 3/8   |
| <b>Combined devices</b>     |           |              |             |               |
| <b>ED 150/3 single door</b> | mm/inches | 1705/67 1/8  | 787/31      | 2270/89 3/8   |
| <b>ED 150/4 double door</b> | mm/inches | 1705/67 1/8  | 840/33 1/16 | 2270/89 3/8   |



### Transport Trolley

To improve and maximize safety, thus reducing cross contamination risk while moving the endoscope across GI Labs dirty and clean paths.

The trolleys can be equipped with **cassettes**, with **red and white bags** and together **with red or green tamper proof seals** for a quick colour code identification of clean and dirty scopes.

Top can be used as work surface.





**Miele** Group Member

ARES - flexible endoscope automated reprocessing system



Dental washer disinfectors

Flusher disinfectors

Steam sterilizing autoclaves



Washer disinfectors for central sterile supply departments

Laboratory glassware washer disinfectors



Washing and sterilizing systems for life science and pharmaceutical applications

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\*Only for products listed into the 909/MDD certificate

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