



Main Characteristics

ER-214® helps the operator step by step during all the phases through graphic messages on the display. The device performs this operations automatically:

Leak test is performed during all the washing cycle in order to reduce risks of instrument infiltrations.

Automatic detergent dosage thanks to the diaphragm pump, it dosages the right quantity of detergent reducing risks of waste and over dosages damaging for the instrument.

Automatic flushing and rinsing of endoscope channels with no reusable product, this avoid the recycling of water used for the cleaning, preventing risks of contamination.

Organic residual sample it is possible to take a sample of water to quickly carry out organic residual tests.

Full traceability through paper report or saving data to USB. Data transfer between Bluetooth and Pcs.

Practical and fast use through barcode (or manual controls). ER-214 cleans the instrument in a fast and safe way automatically. The operator just need to clean scopes outside.

Killing protein inside the endoscope channels according with UNI EN ISO 15883-5, NF EN 12353:2013. The process was validated through tests carried out by certified laboratories in Italy and by Biotech-Germande (France), in order to remove microbial film.

+ benefits obtained by reprocessing

Leak Test performed by the machine during the entire cycle automatically. It guarantees a positive continuous pressure inside the endoscopes avoiding infiltrations.

Detergent savings by the automatic adjustable dose. It prevents waste or overdose that could damage scopes.

Full Traceability through barcode reader that identifies the operator and the instrument. Consequently, together with the printings of the single stages of the process, it is possible to track all phases until the final result. Alternatively you can send data to pcs via Bluetooth.

Time savings allow the operator to perform other tasks inside the cleaning room. In the meantime the device executes the pre-washing of endoscopes automatically.

Lowering of biological risks especially Carpal Tunnel syndrome.

UNI EN ISO 15883-5:2006 and NF EN 12353:2013 certified

+ technical data

Made of food-grade ABS and stainless Steel 316L.
Other components made of materials resistant to aggressive chemical detergents.

Outside dimensions (WxDxH) 470x300x250 mm

Weight 10 kg

Certification Class I, according with all.VI Dir. 93/42/EEC and EN 61010-1, EN 61010-2-040, EN 61326-1, EN ISO 14971



MEDICAL DEVICES GROUP S.r.l
Via G.Fracastoro, 148124 Ravenna (RA)
Tel +39 0544 1826013 - Fax +39 0544 1826015
www.mdg-srl.com - info@mdg-srl.com



Complies with the Directive 93/42/CEE Annex VII

ER-214®

automatic system to support the manual washing steps of flexible endoscopes



PRINTER AND USB



AUXILIARY INSTRUMENT CONNECTION



RESET-STOP-START BUTTON

COLOR DISPLAY



Accessories:

Accessories: Connection kit for each brand. Storz, Fujinon, Olympus and Pentax



Optional:

Clean-up counter for endoscopy suitable for the automated control with ER-214®

The clean-up counter, connected to ER-214®, permits the automatic load and discharge of water and chemical detergent necessary for the correct cleaning of endoscopes channels.

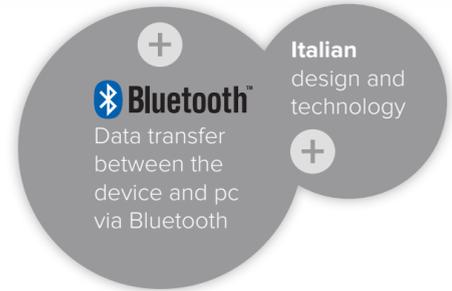
This process allows to avoid recycling of liquids or rather the contamination of all devices.

- The unit is completely made of stainless steel, designed to optimize ergonomics in favour of operators and endoscopic instruments
- The work surface is equipped with two stainless steel sinks, one for the chemical dosage and one for the cleaning ; complete with hot and cold water mixer tap and a spray gun suitable for water or pressurized air
- Backsplash
- Specific surface where to place ER-214®
- Closed front with sliding doors.

Clean-up column for endoscopy suitable for the automated control with ER-214®

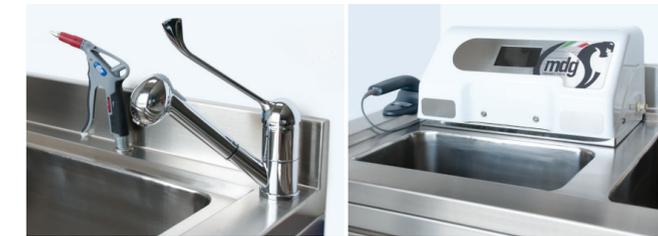
This unit, as well as the Clean-up counter, connected to the automatic system ER-214®, is used to load, discharge water and dose detergent automatically.

This optional, owns the same advantages of the counter, furthermore is adaptable to any type of sink already located in hospitals.



Reccomended products:

Validated detergent
Aniosyme XL3



DETERGENT OUTLET CONNECTION

LEAK TEST CONNECTION

CONCENTRATED DETERGENT ASPIRATION

DILUTED SOLUTION ASPIRATION
INSTRUMENT CONNECTION

ER-214®

automatic system to support the manual washing steps of flexible endoscopes

ER-214® is a compact system which works in combination with the pre-washing sink of instruments (it can be located upon the sink, or hung on the wall using a specific wall bracket); it supports operators during all stages.

The device allows the traceability and the automation of the classic manual washing of flexible endoscopes.

Thanks to this device, the operator does not need to wash the endoscopes manually. This usual procedures do not completely avoid risks of error which can cause carpal tunnel inflammations and osteoarticular diseases. Er-214 prevents this set of problems. This process is validated by Dr. Lionel Pineau in his prestigious laboratories, Biotech-Germande.

