

ENDO

HYGIENE & DISINFECTION
PRODUCTS FOR PROFESSIONALS







Effective Solutions In Infection Control

Microorganisms are essential to life - a natural part of our environment. They exist naturally in our environment without being visible. Human beings have used them for their benefit. Microorganisms like bacteria, fungi and virus cause infection and contamination. The major areas where this infection and contamination are seen are hospitals and health institutions. Hospital infections are controlled by;

- Locating the bacterias in the hospital environment.
- Choosing the bacteria which can resist in this environment and
- Killing bacteria that is resistant to hospital environment,

The rise of new infections can be prevented by cleansing the hospital environment from the microorganisms by disinfectants. What is important to prevent the new infections is, disinfection of the environment and materials by the right disinfectant and right application.



ENDO Endoscope washer and Disinfector Machine

AUTOMATIC ENDOSCOPE WASHER AND DISINFECTOR MACHINE

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Detrowash is automatic endoscope washer and disinfector machine for flexible endoscopes. It was developed as a result of high technology and long term R&D researches.

Detrowash serves an economic usage to its users with reasonable prices as well as its superior features.

GENERAL FEATURES

– DISINFECTANT CONFORMITY SYSTEM

It is suit for single use (concentrated) disinfectants and ready to use periodical disinfectants usage.

– DOUBLE TANK SYSTEM

Provides to use 2 pcs separate disinfectants and to keep them at separate tanks according to their usage area (endoscope, colonoscope, bronchoscope etc.). So that it prevents to mix each other and minimize contaminaton risk.

– DOUBLE ENDOSCOPE SYSTEM

Provides to wash double endoscope simultaneously at same operation. So that it provides time and solution saving.

– LARGE SINK SYSTEM

Machine's sink has sufficient size to prevent for over bending endoscope and to place double endoscope.

– ENDOSCOPE BRANDS CONFORMITY

Suitable to use for all endoscope brands.

– AUTOMATIC/MANUAL WASHING SYSTEM

It has many washing programmes. User can adjust program and change program titles to be reminder for next usages. Automatic programmes can also work as manually.

– MULTI LANGUAGE SYSTEM

Turkish, english, russian and improvable language system provides easy usage to users at their own languages. This provides to understand warning-error messages by users easily.

– SELF DISINFECTION SYSTEM

After operation, this system makes device ready for next usage by cleaning sink and tanks.

– SINK DISINFECTION SYSTEM

In the case of machine isn't used 24 hours or more, before usage this system makes device ready to use by cleaning the sink.

– LCD SCREEN AND TOUCH KEYPAD

Easy usage thanks to large size LCD screen and water-proof touch button keypad. It provides to appear operation steps at screen.

– EASY USAGE

At user entrance screen there are shortcut buttons to provide easy and fast usage.

– DOSING SYSTEM

Machine makes sensitive dosage, thanks to dosing system connected to concentrated disinfectant, enzymatic and alcohol tanks.

– LEAK TEST SYSTEM

Provides leak test before operation to understand if there is leak at endoscopes.

– DEVELOPED REPORT SYSTEM

This system shows completed or uncompleted operation numbers, total working time, U/V usage duration, filter change time and warn user as visible and audible to change filter.



TECHNICAL FEATURES

Programming : 12 pcs developed programming system

Operation Time Settings

Precleaning : 1 Sn - 24 Hours
Enzymatic : 1 Sn - 24 Hours
Rinsing 1 : 1 Sn - 24 Hours
Disinfectant : 1 Sn - 24 Hours
Rinsing 2 : 1 Sn - 24 Hours
Alcohol + Air : 1 Sn - 24 Hours

Leakage Test

Pressure value (min-max) : 0,1-0,3 bar

Endoscope Connection System

Single Endoscope : 4 Channel
Double Endoscope : 6 Channel

Discharge System

At back side of device : 1 Pc
At front side of device : 5 Pcs

Power

AC 220/230V 50/60 Hz Max.200 W 1A

Weight

Net : 80 kg
Gross : 140 kg

Dimensions

59x88x111 cm (W x L x H)

GENERAL FEATURES

- PASSWORD SYSTEM

Prevents to reach device and program settings for unauthorized users.

- COVER LOCK SYSTEM

Thanks to this system existing at cover, during operation device cover keeps as locked automatically and doesn't open simultaneously (EN 15883).

- WATER FILTER SYSTEM

Provides higher quality disinfection by filtering city water.

- U/V SYSTEM (OPTIONAL)

U/V lamp system increases disinfection quality by destroying structures of harmful microorganisms existing at water. This system also records U/V lamp life and informs user.

- LEAKAGE CURRENT PROTECTION SYSTEM

There is leakage current protection system to protect human life against possible leakage currents.

- WASTE SYSTEM

Provides used water to be sent to waste system automatically.

- PRINTER&SD CARD (OPTIONAL)

Provides to get disinfection data as document or txt file.

- NEUTRALIZATION SYSTEM (OPTIONAL)

Provides usage of disinfectants that requires neutralization after usage. This system makes neutralization for these kind of disinfectants and sends waste system safely.

- HEPA FILTER

Provides sterilized air that is given to endoscope channels. (EN 15883)

- LEAKPROOFING GASKET

Prevents contaminations that can be occurred from out to inside or from inside to out of machine thanks to leakproofing gasket existing between sink-cover.

- TANK INDICATORS AND RECOGNIZABLE FILLING CAPS

Tank levels can be seen from indicators existing at front side of device. Thanks to various coloured labels of filling inlets, user mistakes are minimized.

- MANUAL TANK DISCHARGE OUTLETS

Provides solution tanks to be discharged manually. Tank shapes are designed with the aim of remaining minimum liquid in tanks after discharge.

- DRYING SYSTEM

Provides effective drying of endoscope internal channels thanks to alcohol-air options.

- TEST MODE AND SIMULATION SYSTEM

There is test and simulation system at machine to check all entry-outs with the aim of solving all possible breakdowns...



ISO 13485

MEDICAL DEVICE
CE
2195
European Directive
93/42/CEE

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