

DETROWASH®



Automatic Endoscope
Washer & Disinfector

Innovative Technology

detrox®
Integrated Disinfection Solutions

DETROWASH®

PRODUCT PROPERTIES



- **Disinfection Compatibility System:**

Suitable for use with liquid disinfectants for all endoscope devices. Suitable for single use and ready to use disinfectant.

- **Double Tank System:**

In the same device, two different disinfectants can be used according to the usage area of the disinfectant (endoscope, bronchoscope, colonoscope, etc.) and disinfectants are stored in separate tanks without mixing each other.

- **Double Scope System:**

Saves time and solution by disinfection of two endoscopes at the same time.

- **Large Sink System:**

The sink is produced at a diameter which prevents over twisting of endoscopes and at a width which provides containment of double endoscopes.

- **Multiple Scope System:**

Performs the disinfection of endoscopes of all trade marks.

- **Automatic / Manual Washing System:**

Owns several automatic washing programs. Allows users to drop reminder titles on adjusted programs and thus provides easy usage. Allows automatic programs to be run manually.

- **Multi-Language System:**

Turkish, English, Russian, Portuguese, Polish and easy improvable language options allow users to use their own language. At the same time, warning - error messages can be detected more clearly by the user.

- **Self Disinfection System:**

After the operation, cleans the sink and the tanks and make them ready for next use.

- **Sink Disinfection System:**

If the device is not used for 24 hours or more, the sink is cleaned before disinfection and ready for the next use.

- **LCD Display and Touch Keypad:**

The large LCD display and the touch-button keypad feature make it easy to use and the operation steps to be seen on the screen.

- **Easy to Use:**

There are shortcut keys on the user login screen for the most commonly used keys.

- **Dosage System:**

Provides precise dosing with dosing system connected to concentrated disinfectant, enzymatic cleaner and alcohol storage.

- **Automatic Leak Test System (Optional):**

Developed as an alternative to the standard manual leak test process. Control points can be easily adjusted by the user, can decide whether there is a leak on the endoscope. In case of leakage stops the system, evacuates the liquid in the chamber and warns the user. Records the steps of the automatic leak test graphically when in the process and by printer outputs at the end of the process.

- **Advanced Reporting System:**

It shows the number of uncompleted or completed disinfection operations, total working time, U / V usage time and filter change time and warns the user audibly and visually for change.

- **Password System:**

Prevents unauthorized users from accessing device and program settings.

- **Cover Lock System:**

Thanks to the cover lock system, the cover of the device is locked automatically during the operation and does not open during the processing period (EN 15883).

- **Water Filter System:**

Improves the quality of disinfection by filtering the tap water.

- **U / V System (Optional):**

With the easy changeable and effective stainless U / V system placed in the water supply, it disrupts the structure of harmful microorganisms in water and improves the disinfection quality of the water that will be used for the process. It monitors the U / V life and informs the user. Warns the user of a possible failure in the U / V system or if the U / V deteriorates earlier than the specified life. It records the status with printer output.

- **Barcode System (Optional):**

This system stores the information of the disinfected endoscope and the person who does the disinfection. Also gives a printer output for records.

- **Flow Sensor System (Optional):**

It controls the liquid flows through the pipes through the flow sensors located at the 7 point of the device. Thus, it provides dosing accuracy which directly affects the quality of disinfection and proves the presence of disinfectant which is the most necessary solution for disinfection. Warns the user in the event of a fault.

- **Tracking Disinfectant Usage Days and Numbers of Usage:**

With disinfectant filling, it resets the usage day and number of disinfectant. At the beginning of each disinfection, it reminds the user of these times and records this status with the printer output.



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PRODUCT PROPERTIES



• Protection Circuit:

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

• Waste System:

Provides used water to be sent to waste system automatically.

• Easy Carrying System:

When the device needs to be moved from one place to another, it is wheeled for easy transportation and at the same time it has a locked wheel system for being fixed in place.

• Printer and / or USB Record (Optional):

It gives out the disinfection information (program settings, disinfection realization times, barcodes and user information) to the user by means of the laser printer or it enables the transfer of this information to the digital media by USB port.

• RS-232 Communication Port Output (Optional):

Provides the ability to send all print information to the integrated hospital systems via the RS-232 communication port.

• Neutralization System (Optional):

It allows the use of disinfection chemicals which need neutralization and neutralizes the disinfection liquid and safely sends to the waste system.

• Hepa Filter:

The air supplied to the endoscope channels is sterilized by the Hepa filter system (EN 15883).

• Leakproofing joint:

Prevents the contamination from inside to outside or from outside to inside by means of the sealing gasket between the sink-cover.

• Level Indicators and Distinctive Filling Covers:

Thanks to the level indicators on the front of the device, the disinfectant tank levels are easily visible by the user. At the same time, the user can avoid any errors that may occur due to confusion with the filling caps that are labeled in different colors.

• Manual Storage Discharge Outlets:

Provides a manual discharge of solution tanks, thanks to the new conical tank design, it ensures a minimum amount of liquid in the tank after evacuation of the solutions in the tanks.

• Drying System:

With adjustable Alcohol-Air or Air only options, it provides better drying of the interior of the endoscopes.

• Test Mode and Simulation System:

In order to solve the possible problems, there is a test and simulation system that can control all inputs and outputs of the device.

• Programming:

It has 12 advanced programming systems.

• Power System:

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

According to 93/42 EEC directives IIb

Operation time settings:

Pre-cleaning	1 sec. - 24 hours
Enzymatic cleaning	1 sec. - 24 hours
Rinsing 1	1 sec. - 24 hours
Disinfection	1 sec. - 24 hours
Rinsing 2	1 sec. - 24 hours
Alcohol + air	1 sec. - 24 hours

Storage capacity:

Clean water storage	15 liters
Disinfectant 1 storage	15 liters
Disinfectant 2 storage	15 liters
Concentrated disinfectant storage	5 liters
Enzymatic cleaner storage	5 liters
Alcohol storage	5 liters

Operation dosing settings:

Concentrated disinfectant	0 - 10 liters
Enzymatic cleaner	0 - 10 liters
Alcohol	0 - 10 liters

Discharge system:

At back side of device	1 pcs.
At front side of device	5 pcs.

Leakage test:

Max. Pressure	0,35 bar
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Scope connection system:

Single scope	4 channels
Double scope	6 channels

Weight:

Net	80 kg
Packed	140 kg

Dimensions: 60*90*110 cm (W*L*H)



DETRO® OPA

%0,55 Ortho phthalaldehyde Based High Level Disinfectant for Medical Instruments and Endoscopes



USAGE AREAS: Used for high level disinfection of surgical instruments, flexible and rigid endoscopes. It is compatible with medical devices/equipment made of polystyrene, stainless steel, PVC, acrylic material, polycarbon, ceramic, ABS, silicone, HDPE, rubber and glass.

PRODUCT PROPERTIES: The product is ready to use. Confirmed by KARL STORZ endoscopes.

COMPOSITION: %0,55 orthophthalaldehyde, anticorrosive materials

MICROBIOLOGICAL ACTIVITY: Bacterial (incl. Tbc), fungicidal, virucidal, sporicidal in 5 minutes.

DETRO® FORTE

%2 Gluteraldehyde Based High Level Disinfectant for Medical Instruments and Endoscopes



USAGE AREAS: Used for high level disinfection of surgical instruments, flexible and rigid endoscopes. It is compatible with medical devices/equipment made of polystyrene, stainless steel, PVC, acrylic material, polycarbon, ceramic, ABS, silicone, HDPE, rubber and glass.

PRODUCT PROPERTIES: The product is ready to use. Confirmed by KARL STORZ endoscopes. Provides high level disinfection.

COMPOSITION: %2 gluteraldehyde, anticorrosive materials.

MICROBIOLOGICAL ACTIVITY: Bacterial (incl. Tbc), fungicidal, virucidal in 5 minutes, sporicidal in 15 minutes.

DETRO® PAA

Peracetic Acid Based High Level Disinfectant for Medical Instruments and Endoscopes



USAGE AREAS: Used for high level disinfection of rigid and flexible endoscopes, surgical instruments, anesthesia and dental surgery instruments, other medical instruments made of stainless steel, plastic, silicon, glass, acrylate and rubber.

PRODUCT PROPERTIES: The product is ready to use. Prepared by mixing the base and activator. Provides high level disinfection.

COMPOSITION: Detro® PAA base: Hydrogenperoxide, surfactant, corrosion inhibitors, auxiliary agents.

Detro® PAA activator: N-acetilacprolactam, 1-methyl-2-pyrrolidone.

Active ingredient: Peracetic acid generated by mixing base and activator.

MICROBIOLOGICAL ACTIVITY: Bacterial (incl. Tbc), fungicidal, virucidal, sporicidal in 5 minutes.