



Your Vision, Our Future

AUTOMATED ENDOSCOPE REPROCESSOR

**OER-Pro**

Easy. Fast. Reliable.



# Olympus Endoscope Reprocessor

The only reprocessor designed by an endoscope manufacturer.



## The OER-Pro provides high-level disinfection of Olympus flexible endoscopes and accessories

With 35 years of experience and knowledge in flexible endoscope reprocessor manufacturing, Olympus has developed the OER-Pro to assure the best possible reprocessing outcomes for your Olympus flexible endoscopes.

The OER-Pro is specifically designed to meet the daily rigors of clinical usage, and has proven its reliability, cost-effectiveness, and flexibility in world-class institutions nationwide.

- Cost Effective
- Compact and Smart Design
- Quick Reprocessing Time
- Modified Manual Cleaning Flow
- RFID Scope Identification
- Two Dedicated High Level Disinfectants (HLD): Acecide®-C and ALDAHOL® 1.8
- Electronic Data Management Solutions



The OER-Pro is now available with electronic data management solutions.





# Easy. Fast. Reliable.

## The Ideal Reprocessor for Olympus Flexible Endoscopes

### Compact and Smart Design

Only 18 inches wide, the OER-Pro has a smart design, requiring less than half the space of conventional endoscope reprocessors. Casters allow for increased mobility and accessibility, making installation and maintenance easier.

#### Visual detection

The operator can visually verify that there is fluid flow to the endoscope channel connectors.

#### Two ergonomic control panels

The main control panel is simple and easy to use; it supports routine operation. The sub control panel is for optional functions.

#### Stainless steel basin

Highly engineered stainless steel basin eliminates costly replacements due to cracking.

#### Convenient foot pedal

The OER-Pro lid can be opened by pressing the convenient foot pedal. For staff safety, the OER-Pro lid is kept locked during operation to prevent accidental exposure, spills or splashing.

#### Document history

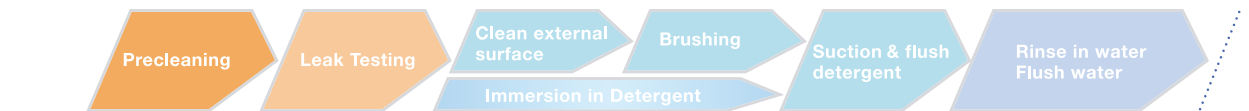
The OER-Pro printer makes quality control, tracking, and reprocessing compliance easier. Reprocessing detail records can be printed or stored electronically after each cycle.

OLYMPUS OER-Pro	
Serial No	:xxxxxxx
Total Count	:xxxxxxx
.Process Started:	
2012/04/01 14:30	
.Process Completed:	
2012/04/01 15:00	
.Wash: 03min	Leak: _
Dis: 10min	Aic: 0
Temp: 20°C	
.Scope SN: 0123456	
xxxxxxxxxxxxxxxxxxxxxxxxxxxx	
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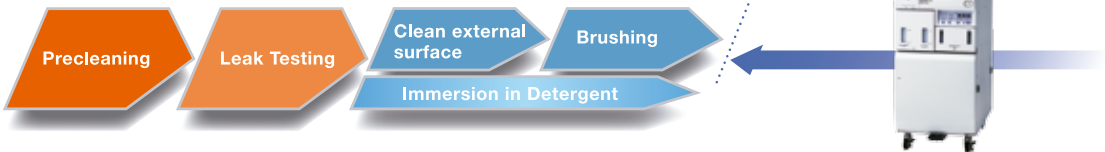
### Modified Manual Cleaning Flow

The modified cleaning flow allows for quicker and easier reprocessing, automating over half of the manual cleaning steps, including flushing of the endoscope channels. The OER-Pro reduces the amount of work involved in suctioning and flushing which are associated with the repetitive use of syringes, and streamlines endoscope reprocessing; after brushing, endoscopes can be placed directly into the OER-Pro.<sup>1</sup>

#### Manual cleaning with conventional reprocessor



#### Manual cleaning with OER-Pro



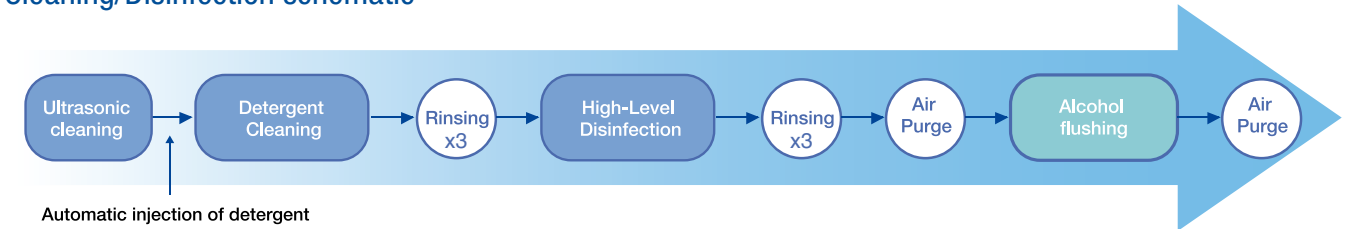
<sup>1</sup> Consult the Instructions for Use that came with the endoscope to obtain detailed reprocessing instructions.

### Quick Reprocessing Time

Acecide-C: 26 min / ALDAHOL 1.8: 29 min

The OER-Pro can simultaneously reprocess two flexible endoscopes in 26-29 minutes.<sup>2</sup>

#### Cleaning/Disinfection schematic



#### Dual scope processing<sup>3</sup>

The OER-Pro can simultaneously reprocess up to two flexible endoscopes.

#### Ultrasonic cleaning and high-pressure laminar channel flow

The combination of the advanced technology with a specially-formulated detergent supports the overall cleaning process.

#### Automatic disinfection of endoscopic valves

High-level disinfection of the Olympus endoscopic valves is achieved using the OER-Pro.

#### Automated alcohol flush and air purge of channels

The OER-Pro features fully automated alcohol flushing to enhance endoscope drying time.

### Automated Scope RFID and Data Management Solutions

The OER-Pro is equipped with an easy-to-use RFID management system<sup>4</sup> which automatically records scope serial and model numbers, operator ID, and time of reprocessing. This eliminates the cumbersome manual input of information with a keypad or barcode.

#### Data Management Solutions

The OER-Pro data management solutions can be scaled to the facilities' operations and meet local and multi-society record retention standards.



<sup>2</sup> Based on water supply conditions set by Olympus. Actual performance may vary depending on local conditions.

<sup>3</sup> Simultaneous reprocessing of two scopes may not be possible with some scope configurations.

<sup>4</sup> RFID: Radio Frequency Identification

# Two Dedicated High Level Disinfectants:

## Acecide-C and ALDAHOL 1.8

The OER-Pro can be used with one of two dedicated HLDs of your choice. Both HLDs have been tested and approved by Olympus for compatibility with Olympus endoscopes.

### Acecide-C

High-level Disinfectant and Sterilant



- PAA-based, Aldehyde-free HLD solution
- 7-minute HLD at room temperature (20°C / 68°F)
- 5 days maximum reuse period

#### High-level disinfect in 7 minutes at room temperature

The OER-Pro can reprocess two endoscopes in as little as 26 minutes with Acecide-C.

#### Use the only validated PAA solution by Olympus for Olympus endoscopes

Acecide-C is developed and tested for compatibility with Olympus endoscopes and the OER-Pro. Acecide-C is proven to not degrade your valued investments.

#### Save time and effort with a safe and hassle-free disinfectant

The OER-Pro drawer loading system with Acecide-C eliminates spills and minimizes operator exposure to disinfectants. Acecide-C will rapidly break down into vinegar, water, and oxygen. Replacement is quick and easy.

### ALDAHOL 1.8

High-level Disinfectant and Sterilant



- GA-based HLD solution with isopropanol
- 10-minute HLD at room temperature (20°C / 68°F)
- 14 days maximum reuse period

#### Ensure enhanced mycobactericidal activity by isopropanol

ALDAHOL 1.8 is a highly efficient and efficacious solution with enhanced mycobactericidal activity through the combination of isopropanol and glutaraldehyde.

#### High-level disinfect in 10 minutes at room temperature

ALDAHOL 1.8 is fast-acting against microorganisms including myobacteria and spore-forming bacteria. Whether disinfecting endoscopes in the OER-Pro or a soaking basin, ALDAHOL 1.8 works in as low as 10 minutes at room temperature.

#### Guarantee compatibility with your Olympus endoscopes

ALDAHOL 1.8 is tested for compatibility with Olympus endoscopes and the OER-Pro. ALDAHOL 1.8, like Acecide-C, is proven to not degrade your valued investments.

## Accessories



**Acecide-C**  
High-level Disinfectant  
Peracetic acid based liquid chemical germicide designated for OER-Pro.



**Acecide-C Test Strips**  
Test strip for Acecide-C



**ALDAHOL 1.8**  
High-level Disinfectant  
The uniquely formulated glutaraldehyde based liquid chemical germicide.



**Aldechek® Test Strip**  
Test strip for ALDAHOL 1.8



**EndoQuick**  
Alkaline Detergent  
Formulated specifically for use with Olympus endoscope reprocessors.



**Air Filter: MAJ-823**  
Eliminates contaminants suspended in air.  
**Water Filter: MAJ-824**  
Bacteria-retentive.  
**Air Filter: MAJ-822**  
Charcoal filter absorbs disinfectant vapors.



**Printer Paper Roll: MAJ-1497**  
Replacement paper for the printer. One pack contains 10 rolls



**Connecting Tubes**  
For feeding water or solution into the channels of scopes.



**Scope ID Tag: MAJ-1545**  
**ID chip: MAJ-1546**  
Stores the scope serial and model number as well as operator identification information, required for reprocessing data management.



**Connector Hanger: MAJ-865**  
The connector hanger is designed to assist the user in loading the endoscope and to help protect the endoscope tip from accidental damage during loading. The connector hanger holds the connector portion of the endoscope and can be mounted on either side of the OER-Pro.

## Data Management Solutions



**RMM**  
Reprocessing Management Module software solutions centralize and simplify reprocessing data collection helping to mitigate infection control risks in the reprocessing room.



**Data Capture Unit (DCU)**  
A low cost, easy to use, paper receipt replacement option for the OER-Pro.

# OER-Pro Specifications

## Operating Environment

Ambient temperatures	10 - 40°C (50 – 104°F)
Relative Humidity	30 - 85%
Water supply flow	17 L/min. (4.5 gallons/min.) or more when the faucet is fully open
Water supply pressure	Between 0.1 to 0.5 MPa
Water supply temperature	Max. 28°C (82°F)
Water hardness	400 ppm (Maximum) 0 – 150 ppm (Recommended value)

## Specifications

Applicable scopes	Olympus flexible endoscopes (Consult Olympus sales representative for details.)
Number of reprocessed endoscopes	Max. 2 (1 with certain models)
Cleaning method	Exterior surfaces: Ultrasonic cleaning, turbulent bath Channel interiors: Fluid flushing Valves: Ultrasonic cleaning, fluid flushing
Disinfection method	Exterior surfaces: Disinfectant solution immersion Channel interiors: Disinfectant solution flushing and filling Valves: Disinfectant solution immersion
Cleaning time setting	3 – 10 minutes (Setting variable in 1 min. increments)
Disinfection time setting	Acicide-C: 7 minutes ALDAHOL 1.8: 10 minutes
Disinfectant solution temperature setting	20°C (68°F) (If the temperature of the disinfectant solution is below 20°C, the disinfectant solution is heated to 20°C (68°F).)
Disinfectant solution heating method	Built-in heater in the reprocessing basin. ① Heats disinfectant immediately prior to disinfection process during the reprocessing cycle ② Heats disinfectant prior to the start of the reprocessing cycle
Water discharge method	Forced draining using a pump (Floor drain)
Disinfectant solution discharge method	① Drains through disinfectant collection hose ② Drains through drain hose (Floor drain)
Reprocessing basin capacity	Approximately 14 L (3.7 gallons)
Disinfectant solution tank capacity	Approximately 17.5 L (4.6 gallons)
Disinfectant solution	Acicide-C (Olympus-validated disinfectant solution) ALDAHOL 1.8 (Olympus-validated disinfectant solution)
Detergent	EndoQuick (Olympus-validated detergent)
Visual leakage detection	Bubble detection during immersion
Alcohol flushing	Automatic flushing/draining using a pump and compressor
Dimensions	450(W) x 977(H) x 765(D) mm (17.7 x 38.5 x 30.2 inch)
Weight	120 kg dry condition (264.6 lbs)
Power supply	Voltage: 120 VAC Frequency: 60 Hz Input current: 5.5 A Voltage fluctuation: ±10%
Medical device classification	Protection against electric impact: Class I
OSHPD Seismic Anchorage	Preapproved (OPM-0137-13)

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