AUTOMATED ENDOSCOPE REPROCESSOR

OER-Pro

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.
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 reproprocessors. 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.

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.

Quick Reprocessing Time

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

The OER-Pro can simultaneously reprocess two flexible endoscopes in 26-29 minutes.

Cleaning/Disinfection schematic

Dual scope processing

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 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.

1 Based on water supply conditions set by Olympus. Actual performance may vary depending on local conditions.

2 Simultaneous reprocessing of two scopes may not be possible with some scope configurations.

3 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.

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

- Endoscope
  Aldehyde Detergent
  Formulated specifically for use with Olympus endoscope reprocessors.

Data Management Solutions

- RMM
  Reprocessing Management Module
  Software solution: control 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

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

## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable scopes</td>
<td>Olympus flexible endoscopes (Consult Olympus sales representative for details.)</td>
</tr>
<tr>
<td>Number of reprocessed endoscopes</td>
<td>Max. 2 (1 with certain models)</td>
</tr>
<tr>
<td>Cleaning method</td>
<td>Exterior surfaces: Ultrasonic cleaning, turbulent bath</td>
</tr>
<tr>
<td></td>
<td>Channel interiors: Fluid flushing</td>
</tr>
<tr>
<td></td>
<td>Valves: Ultrasonic cleaning, fluid flushing</td>
</tr>
<tr>
<td>Disinfection method</td>
<td>Exterior surfaces: Disinfectant solution immersion</td>
</tr>
<tr>
<td></td>
<td>Channel interiors: Disinfectant solution flushing and filling</td>
</tr>
<tr>
<td></td>
<td>Valves: Disinfectant solution immersion</td>
</tr>
<tr>
<td>Cleaning time setting</td>
<td>3 – 10 minutes (Setting variable in 1 min. increments)</td>
</tr>
<tr>
<td>Disinfection time setting</td>
<td>Acecid-C: 7 minutes ALDAHOL 1.8: 10 minutes</td>
</tr>
<tr>
<td>Disinfectant solution temperature setting</td>
<td>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).)</td>
</tr>
<tr>
<td>Disinfectant solution heating method</td>
<td>Built-in heater in the reprocessing basin,</td>
</tr>
<tr>
<td></td>
<td>① Heats disinfectant immediately prior to disinfection process during the reprocessing cycle</td>
</tr>
<tr>
<td></td>
<td>② Heats disinfectant prior to the start of the reprocessing cycle</td>
</tr>
<tr>
<td>Water discharge method</td>
<td>Forced drainage using a pump (Floor drain)</td>
</tr>
<tr>
<td>Disinfectant solution discharge method</td>
<td>① Drains through disinfectant collection hose</td>
</tr>
<tr>
<td></td>
<td>② Drains through drain hose (Floor drain)</td>
</tr>
<tr>
<td>Reprocessing basin capacity</td>
<td>Approximately 14 L (3.7 gallons)</td>
</tr>
<tr>
<td>Disinfectant solution tank capacity</td>
<td>Approximately 17.5 L (4.6 gallons)</td>
</tr>
<tr>
<td>Disinfectant solution</td>
<td>Acecid-C (Olympus-validated disinfectant solution) ALDAHOL 1.8 (Olympus-validated disinfectant solution)</td>
</tr>
<tr>
<td>Detergent</td>
<td>EndoQuick (Olympus-validated detergent)</td>
</tr>
<tr>
<td>Visual leakage detection</td>
<td>Subtle detection during immersion</td>
</tr>
<tr>
<td>Alcohol flushing</td>
<td>Automatic flushing/drainage using a pump and compressor</td>
</tr>
<tr>
<td>Dimensions</td>
<td>450(W) x 977(H) x 765(D) mm (17.7 x 38.5 x 30.2 inch)</td>
</tr>
<tr>
<td>Weight</td>
<td>120 kg dry condition (264.6 lbs)</td>
</tr>
<tr>
<td>Power supply</td>
<td>Voltage: 120 VAC Frequency: 60 Hz Input current: 5 A Voltage fluctuation: ±10%</td>
</tr>
<tr>
<td>Medical device classification</td>
<td>Protection against electric impact: Class I</td>
</tr>
<tr>
<td>OSHPD Seismic Anchorage</td>
<td>Preapproved (OPM-0137-13)</td>
</tr>
</tbody>
</table>

Olympus is a registered trademark of Olympus Corporation, Olympus America Inc., and/or their affiliates.