

ADVANTAGE PLUS[®] Pass-Thru

AUTOMATED ENDOSCOPE REPROCESSOR | REPROCESSING



Reprocessing **Reimagined**

 **MEDIVATORS**
A Cantel Medical Company

Cantel is your partner in the fight against healthcare-associated infections.

Healthcare-associated infections (HAIs) are a complex and persistent issue in healthcare facilities. For patients who contract an HAI the consequences can be significant.

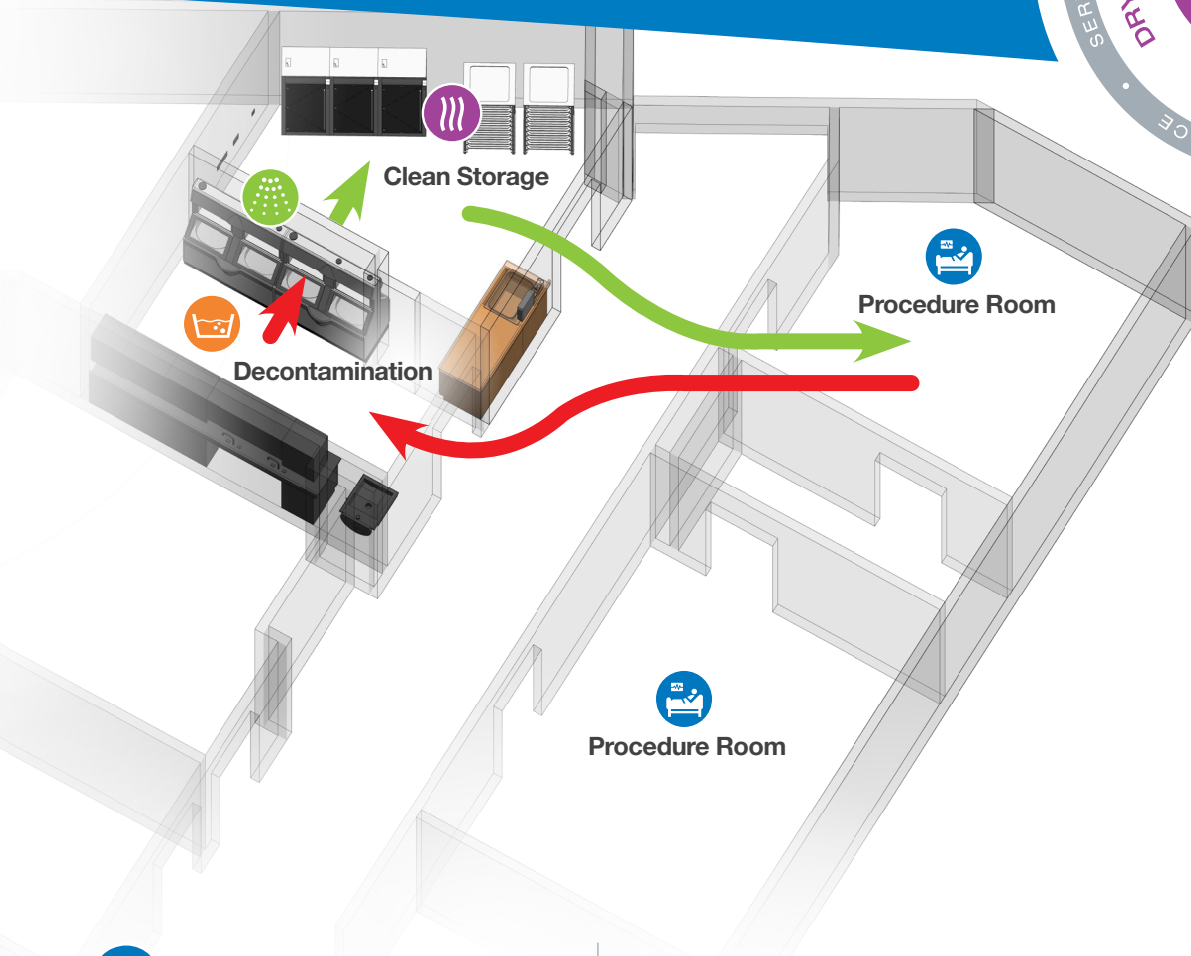
Reducing the risk of infections for endoscopy patients is critically important.

1.7 million
contract
an HAI
each yearⁱ

99,000
die from
an HAI
each yearⁱ

1 in 25
hospital patients
will contract
an HAIⁱ

More healthcare-associated outbreaks have been linked to **contaminated endoscopes** than to any other medical device.ⁱⁱ



Procedure

- DEFENDO™ Sterile Single Use Valves
- AmplifEYE® Endoscopic Device
- ENDO STRATUS® CO2 Insufflator



Manual Clean

- SCOPE BUDDY® Endoscope Flushing Aid
- VERISCAN® LT Leak Detection System



Reprocess

- ADVANTAGE PLUS® Pass-Thru AER
- INTERCEPT® Plus Detergent
- RAPICIDE® Disinfectant



Dry & Store

- ENDODRY® Storage and Drying System
- CLEANASCOPE® Transport and Storage System

With more than 40 years of experience in infection prevention, Cantel understands the complexities of endoscope reprocessing. We offer a comprehensive line of endoscope reprocessing products including market-leading detergents and disinfectants, technologically advanced automated reproprocessors, transportation systems, drying and storage cabinets, and equipment tracking systems.

Our ecosystem of product and service offerings comes together in our Complete Circle of Protection, an infection prevention program designed to help you streamline reprocessing workflow, improve department efficiency, and reduce the risk of infection.

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Reprocessing Reimagined

ADVANTAGE PLUS® Pass-Thru Automated Endoscope Reprocessor: Dirty or clean? There's one way to be sure.

As medical instrumentation becomes more advanced, so too must the methods we use to clean and disinfect those instruments. The design of the ADVANTAGE PLUS® Pass-Thru AER supports an efficient workflow process that helps reduce human error, distraction and unintended lapses in cleaning protocols. The hard-wall separation between dirty and clean reprocessing areas helps reduce the risk of recontamination, ensuring safe, patient-ready endoscopes for every procedure.



Dirty Side

Hard-wall separation

Clean Side





REPROCESS

High-level disinfection is the cornerstone of infection prevention. Reprocessing technologies from Cantel are designed to ensure patient safety by adhering to the strictest of standards for high-level disinfection, optimizing workflow efficiency, and delivering versatility by supporting a wide range of endoscopes and medical devices.



INTUITIVE DESIGN

The physical separation of the clean and dirty environments within an endoscope reprocessing area is a globally-recognized infection prevention best practiceⁱⁱⁱ that can decrease the risk of human error, distraction and unintended lapses, which can result in the recontamination of reprocessed endoscopes.

TRUSTED TECHNOLOGY

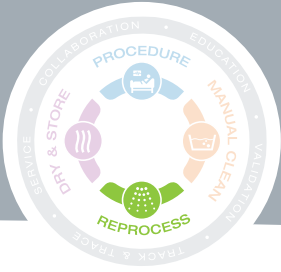
The ADVANTAGE PLUS[®] Pass-Thru AER leverages the proven technology of the industry-leading ADVANTAGE PLUS[®] AER to consistently deliver high-level disinfection to support your infection prevention efforts.

EFFICIENT WORKFLOW

The ADVANTAGE PLUS[®] Pass-Thru AER standardizes a unidirectional workflow and improves department efficiency by supporting a consistent and repeatable reprocessing procedure for all flexible endoscopes, which can reduce human error in endoscope reprocessing.

RELIABLE OUTCOMES

The ADVANTAGE PLUS[®] Pass-Thru AER improves adherence to established industry guidelines for disinfection^{iii,iv,v} and has been clinically proven to high-level disinfect a wide variety of the most commonly used endoscopes.



ADVANTAGE PLUS® Pass-Thru Automated Endoscope Reprocessor Features:

- **Hands-free operation** and automatic cycle start for ease of operation.
- **Dual asynchronous basins** offer fast and efficient endoscope throughput.
- **Computerized cycle documentation and reporting.** The Pass-Thru integrates with ENDORA® Endoscope Tracking System for active monitoring and process verification.
- **Minimal machine footprint** saves space over comparable technologies.
- **Continuous leak testing** during cycle. The Pass-Thru high-level disinfects leaky or damaged endoscopes prior to servicing.
- **Ergonomic design and large easy-loading basins** support operator comfort.
- **Remote diagnostics** enable fast and efficient technical support and servicing, maximizing reprocessor availability.
- **Large visual display** of real-time cycle information.
- **Barcode scanner** for fast and accurate data entry (e.g., endoscope, operator, patient and physician IDs) to facilitate cycle management and endoscope traceability.





Convenient transport cassette reduces handling and helps prevent endoscope damage and recontamination.



Continuous channel monitoring and blockage detection ensure all endoscope channels are high-level disinfected.



Pull-out drawer provides easy access to replace chemicals.

Advanced Chemistries

Using an effective detergent and disinfectant is necessary for removing bioburden, contaminants and tough biofilms from endoscopes. Cantel offers a comprehensive line of detergents and disinfectants designed for use in healthcare facilities. Our research chemists are continually testing and improving chemistry performance on soils and biofilms that are globally recognized as the most difficult to remove.

INTERCEPT® Plus Detergent

INTERCEPT® Plus Detergent delivers superior efficacy and enhances your infection prevention best practices when used in the wash cycle before disinfection. The alkaline-based chemistry effectively loosens soils in 3 minutes at 20-35° C.



RAPICIDE® PA High-Level Disinfectant

RAPICIDE® PA High-Level Disinfectant is a peracetic acid-based chemistry that is environmentally responsible with proven material compatibility. The single-use, non-aldehyde disinfectant effectively kills TB, hepatitis viruses, *Clostridium difficile*, VRE, MRSA and CRE in 5 minutes at 30° C.



System Specifications

ADVANTAGE PLUS® Pass-Thru AER System Specifications

Electrical Safety Certifications	ETL Intertek Listed #75811 UL Standard 61010-1 EN Standard 61010-1 CSA/CAN Standard C22.2, No. 61010-1
Electrical Requirements	120 VAC ± 10%: single phase, 60HZ; 1,200 Watts
Dimensions	78 ¾" H x 51 ½" W x 31 ¼" D (200 cm H x 130.6 cm W x 79.2 cm D)
Weight	882 lbs (400 kgs)
Water Supply	Minimum flow rate: 1.32 GPM (5 LPM) at 30 to 87 PSI (2 to 6 bar) Water Temperature: 35°C ± 2°C
Air Supply	58 to 145 psi (4 to 10 bar). The maximum demand of compressed air is 1.1 scfm (32 l/min ANR) Optional air compressor available
Drain	In-floor drain capable of draining 10.5 gal/min (40 L/min)

Ordering Information

MACHINES

PART NUMBER	DESCRIPTION
ADVPT-3007	ADVANTAGE PLUS® Pass-Thru AER, 120V (with air compressor)
ADVPT-3008	ADVANTAGE PLUS® Pass-Thru AER, 120V (w/o air compressor)

ACCESSORIES

PART NUMBER	DESCRIPTION
ML02-0117 (USA)	RAPICIDE® PA High-Level Disinfectant (4 bottles/case - 2 Part A, 2 Part B)
ML02-0116 (Canada)	RAPICIDE® PA High-Level Disinfectant (4 bottles/case - 2 Part A, 2 Part B)
ML02-0118	RAPICIDE® PA Test Strips (2 bottles/pack - 100 strips/bottle)
ML02-0145	INTERCEPT® PLUS Detergent (2 bottles/case)
CAS-1000	Endoscope Transport Cassette

¹ Centers for Disease Control, *Preventing Healthcare-Associated Infections*. Retrieved from CDC: <https://www.cdc.gov/washington/~cdcatWork/pdf/infections.pdf>

² Rutala, W.A., Weber, D. J., and the Healthcare Infection Control Practices Advisory Committee (2008). *Guideline for Disinfection and Sterilization in Healthcare Facilities* (Last update: February 15, 2017). Retrieved from CDC: <https://www.cdc.gov/infectioncontrol/pdf/guidelines/disinfection-guidelines.pdf>

³ UK Department of Health (2016). *Health Technical Memorandum 01-06: Decontamination of flexible endoscopes: Part B – Design and installation*. Retrieved from: https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/530420/HTM0106_PartB.pdf

⁴ Association for the Advancement of Medical Instrumentation and American National Standards Institute (2015). *ANSI/AAMI ST91:2015 Flexible and semi-rigid endoscope processing in health care facilities*.

⁵ Society of Gastroenterology Nurses and Associates (2012). *Standards of Infection Control in Reprocessing of Flexible Gastrointestinal Endoscopes*. Retrieved from: https://www.sgna.org/Portals/0/Education/PDF/Standards-Guidelines/sgna_stand_of_infection_control_0812_FINAL.pdf

⁶ Testing data on file.

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