SITE REQUIREMENTS

ENDOSCOPE DISINFECTION SYSTEM - NORTH AMERICA
SITE REQUIREMENTS

The purpose of this document is to provide the customer with requirements that need to be met to ensure the ADVANTAGE PLUS™ Pass-Thru Endoscope Reprocessing System will be properly installed.

- ADVANTAGE PLUS Endoscope Reprocessor, Endoscope List and Operator ID Form (PN 50092-380)
- ADVANTAGE PLUS Pass-Thru Endoscope Reprocessor User Manual (PN 50098-704-EN.NA)

It is the responsibility of the customer to meet these requirements to ensure proper installation of the ADVANTAGE PLUS Pass-Thru Endoscope Reprocessor.

It is the responsibility of the customer to provide qualified personnel to provide the facility connections for the ADVANTAGE PLUS Pass-Thru Endoscope Reprocessing System to the building supply (Water, Electrical, Drain, Air and Network/Internet) during the installation process. Medivators will make the physical connections between the facility connections and the ADVANTAGE PLUS Pass-Thru Endoscope Reprocessing System.

Any deviation from these specifications may cause operational issues that would not be covered by the Warranty.

Wall Preparation

- Refer to the included installation diagram.
- Wall rough opening:
  1. 1 reprocessor: 52-1/2” (1336mm) wide x 79-3/4” (2025mm) high
  2. 2 reprocessors: 104-1/4” (2646mm) wide x 79-3/4” (2025mm) high
  3. 3 reprocessors: 155-3/4” (3956mm) wide x 79-3/4” (2025mm) high
  4. 4 reprocessors: 207-1/2” (5266mm) wide x 79-3/4” (2025mm) high

- The wall opening can remain rough, an optional trim kit is available to finish and seal the opening once the ADVANTAGE PLUS Pass-Thru Endoscope Reprocessor is installed. The trim requires a minimum of 4” (100mm) of uninterrupted wall space on the sides and top of the reprocessor for trim attachment.

- The interface between the wall opening and the floor must not have a cove or fillet.

- Optimal wall thickness is 4-1/2” (115mm) to 7” (180mm).

- The facility connections are made inside the wall, access panels (facility supplied) will be required to provide access to these connections.

- The facility connections must not be more than 3 feet (1000mm) above the top of the ADVANTAGE PLUS Pass-Thru Endoscope Reprocessing System.

- The facility connections are divided into three groups:
  1. Water and Air
  2. Electrical
  3. Network and Ventilation

- Three access holes in the underside of the wall are required to make the connections between the facility and the ADVANTAGE PLUS Pass-Thru Endoscope Reprocessing System. Access holes need to be free of sharp edges. See the attached installation diagram for the measurements.
Floor
- The floor must be level to allow for the proper leveling and sealing of the reprocessor.

**IMPORTANT** Do not place reprocessor on surfaces which could cause a fire or fumes if hot items fall from the reprocessor.

Water Supply
- Facility supplied connection, 1/2” NPT female with a shutoff valve and pressure gauge located in the wall behind an access panel.
- The supplied water must meet these requirements:
  - Potable water is the minimum standard, RO water is preferred.
  - The incoming water needs to be filtered to 1 micron.
  - A water pressure of 30 to 87 psi (2 to 6 bar) is required, with a minimum dynamic pressure of 30 psi (2 bar) at 1.3 gal/min (5L/min) flow.
  - A minimum flow rate of 1.3 gal/min (5 L/min) is required, 2.6 gal/min (10 L/min) preferred.
- The incoming waterline must be a minimum of 1/2” (13 mm) ID.
- Disinfectant water temperature requirements: RAPICIDE™ PA High Level Disinfectant: 95°F ± 4ºF (35°C ± 2ºC)
- The water supply must be able to provide an on-demand water temperature to meet the requirements for the disinfectant chemistry used. A thermostatic mixing valve is required to supply the required water temperature.
- Water consumption is approximately 8 gallons (30 liters) per cycle for a standard endoscope disinfection cycle and 11.5 gallons (43 liters) per cycle for an endoscope disinfection cycle with a detergent wash. Water consumption for the ADVANTAGE PLUS™ Pass-Thru Endoscope Reprocessing System will vary depending on the incoming water temperatures. The reprocessor will extend the initial flush to allow the water to come up to temperature to meet the minimum required temperature of the disinfectant.
- Ensure water hardness is less than 200 ppm CaCO₃ (200 mg/L CaCO₃) for optimal performance.

The Medivators endoscope reprocessors do not require backflow protection for the incoming water supply, nor is a backflow protection device installed in the reprocessor. If building or plumbing codes require backflow protection, then please consult your local codes, standards and/or guidelines, for applicable requirements.

Drain
- The drain must be located in the floor in the location indicated in the installation diagram.
- The drain system must be capable of draining 10.5 gal/min (40 L/min).
- Facility supplied connection, a flush floor drain with a minimum diameter of 4” (100 mm).
Air Supply
• Facility supplied connection, 1/4” NPT female with a shutoff valve and pressure gauge located in the wall behind an access panel.
• The supplied compressed air must meet these requirements:
  o 58 to 145 psi (4 to 10 bar)
  o The maximum demand of compressed air is 1.1 scfm (32 l/min ANR)
  o Filtered to 5 microns
  o The maximum dew point is 45°F (7°C)
  o The maximum oil concentration is 5 mg/m3

Electrical Supply
• 120 VAC ± 10%, single phase, 60 Hz, 1200 watts
• Facility supplied connection, a GFI protected NEMA 5-15R outlet located in the wall behind an access panel.
• Power consumption: 180 watts at idle, 480 watts during a cycle in one basin, 720 watts during a cycle in both basins, and a nominal peak of 1200 watts.

Heat Load
• Idle: 600 BTU/hr.
• Cycle (1 basin): 1600 BTU/hr.
• Cycle (2 basins): 2400 BTU/hr.

Ventilation
It is the customer’s responsibility to ensure the room is in compliance with this requirement. This is not a requirement of the ADVANTAGE PLUS™ Pass-Thru Endoscope Reprocessing System but of the chemicals that are used for disinfection.
• It is a health and safety requirement to have a minimum of 10 air changes per hour in the room. During cycle operation and the chemical heating process, chemical vapor may be produced. The air exchange will minimize staff exposure to chemical vapors.
• Facility supplied connection, a 4” (100mm) round duct located in the wall behind an access panel.
  o A minimum of 25 cfm (12 L/s) at 0.25 inches-water (62 PA) static pressure is required to properly vent the ADVANTAGE PLUS Pass-Thru Endoscope Reprocessing System.

Network
• Facility supplied connection, RJ45 receptacle located in the wall behind an access panel.
• The ADVANTAGE PLUS Pass-Thru Endoscope Reprocessing System is equipped with a PC based computer running Windows 7 which will allow full networking along with the capability of remote diagnostics.
• To allow for remote diagnostics an internet connection is required. This is highly recommended.

Dimensions
• The physical dimensions are 51-1/2” (1306mm) Wide x 78-3/4” (2000mm) High x 31-1/4” (792mm) Deep.
• The weight is 882 lbs. (400 kgs).
Endoscope & User Information

- To ensure a smooth and trouble-free installation, the customer must supply a complete list of users and endoscopes that will be reprocessed in the ADVANTAGE PLUS™ Pass-Thru Endoscope Reprocessing System.
- Fill out the ADVANTAGE PLUS Pass-Thru Endoscope Reprocessor, Endoscope List & Operator ID form (PN 50092-380).

The included checklist should be utilized to ensure the installation site meets the required specifications. If all specifications are met, the site is suitable for the installation and use of the ADVANTAGE PLUS Pass-Thru Endoscope Reprocessing System.
# SITE REQUIREMENTS

<table>
<thead>
<tr>
<th>Wall Preparation</th>
<th>Wall opening meets specification for the number of reprocessors</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Facility connections are in the proper locations and are accessible</td>
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<tr>
<td></td>
<td>Openings in underside of the wall are the proper size and in the proper locations</td>
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<tr>
<td>Water Supply</td>
<td>¾” G male or ½” NPT female connection with shutoff valve and pressure gauge</td>
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<tr>
<td></td>
<td>Potable water or RO water</td>
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<tr>
<td></td>
<td>Filtered to 1 micron</td>
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<tr>
<td></td>
<td>Pressure of 30 to 87 psi (2 to 6 bars)</td>
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<td></td>
<td>Minimum flow rate of 1.3 gal/min (5 L/min), 2.6 gal/min (10 L/min) preferred.</td>
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<tr>
<td></td>
<td>Supplied water temperature 95°F ± 4°F (35°C ± 2°C)</td>
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<tr>
<td>Drain</td>
<td>Floor drain meets requirements and is installed in the proper location</td>
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<td></td>
<td>Capable of draining 10.5 gal/min (40 L/min)</td>
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<tr>
<td>Air Supply</td>
<td>1/4” NPT female connection with shutoff valve and pressure gauge</td>
</tr>
<tr>
<td></td>
<td>Pressure of 58 to 145 psi (4 to 10 bar)</td>
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<tr>
<td></td>
<td>The maximum demand of compressed air is 1.1 scfm (32 l/min ANR)</td>
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<tr>
<td></td>
<td>Air dry and oil free per specifications</td>
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<td></td>
<td>Filtered to 5 microns</td>
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<tr>
<td>Electrical Supply</td>
<td>120 VAC ±10%, single phase, 60 Hz, 1200 Watts</td>
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<tr>
<td></td>
<td>GFI protected NEMA 5-15R receptacle</td>
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<tr>
<td>Ventilation</td>
<td>Minimum of 10 room air exchanges per hour</td>
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<td></td>
<td>4” (100mm) round duct</td>
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<tr>
<td></td>
<td>A minimum of 25 cfm (12 L/s) at 0.25 inches-water (62 PA) static pressure at duct</td>
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<tr>
<td>Network</td>
<td>RJ45 receptacle</td>
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<tr>
<td></td>
<td>Internet access</td>
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</table>

By signing below Customer acknowledges that (1) Customer reviewed these Site Requirements for the Medivators Reprocessor(s) listed on the face of this document; (2) Customer is solely responsible for meeting each of the specifications and requirements set forth in these Site Requirements to ensure proper installation and performance of the reprocessor(s); (3) Customer is able to meet each of these specifications and requirements; and (4) the failure of Customer to comply with these Site Requirements and any deviation from the specifications set forth herein may compromise the functionality of the reprocessor(s) and/or may cause operational issues, which will not be covered by the Medivators warranty and are hereby disclaimed by Medivators.

<table>
<thead>
<tr>
<th>Facility Representative</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td>Date</td>
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<tr>
<td></td>
<td>Email</td>
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</table>
Note: Medivators will make the physical connection between the facility connections and the ADVANTAGE PLUS® Pass-Thru Reprocessor.