



SITE REQUIREMENTS ADVANTAGE® PLUS



ENDOSCOPE REPROCESSOR MODEL 2.0



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SITE REQUIREMENTS

The purpose of this section is to provide the customer with requirements that need to be met to ensure the ADVANTAGE Plus will be properly installed.

Applicable Documents

- ADVANTAGE Plus Endoscope List and Operator ID Form (PN 50092-380)
- ADVANTAGE Plus User Manual (PN 50097-394)

It is the responsibility of the customer to meet these requirements to ensure proper installation of the ADVANTAGE Plus.

The ADVANTAGE Plus will be delivered on a pallet along with multiple boxes. It is important to keep all the boxes received with the ADVANTAGE Plus together.

It is the responsibility of the customer to provide qualified personnel to provide the connections for the ADVANTAGE Plus to the building supply (Water, Electrical, Drain, Air and Network/Internet) during the installation process.

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

Water Supply

- The water supply must be connected to a thermostatic mixing valve set to provide an on-demand water temperature of $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($95^{\circ}\text{F} \pm 4^{\circ}\text{F}$).
- The mixing valve must be accessible and located near the prefilter to aid in adjustment. The mixing valve should include a thermometer followed by a bypass valve to a drain.
- The incoming waterline must be a minimum of 1/2" ID providing a flow rate of 1.32 GPM and a water pressure of 35 to 87 psi.
- Ensure water hardness is less than 12 gpg (200 ppm) for optimal performance.
- The pre-filter assembly is wall mounted and has the dimensions of 26" H x 38" W x 6"D. The incoming water connection to the pre-filter assembly is 1/2" NPT on the right hand side. All fittings and hoses for the output of the pre-filter assembly are included.
- A shut-off valve must be installed before the pre-filtration system. It is important that the valve be mounted within reach of the operator.
- It is highly recommended that the facility water be analyzed to determine if the supplied pre-filter is adequate. Contact your Medivators Representative or Technical Support to arrange for water analysis.

Drain

- A drain system capable of draining 3.17 GPM, less than 18" from the floor and vented will ensure the proper operation of the ADVANTAGE Plus. The supplied drain line has a 1" ID.

Air Supply

- The ADVANTAGE Plus system includes an air compressor that requires a dedicated 120 VAC NEMA 5-15 outlet.
- If the ADVANTAGE Plus model purchased did not include the air compressor, the system may utilize house compressed air (dry, oil free) which must meet these required air pressure specifications: 58 to 125 PSI with a minimum flow volume of 1.5 CFM, maximum particle size is 5 microns, maximum dew point is 7°C (45°F), maximum oil concentration is 5 mg/m³.
- A 1/4" ID flexible air hose (EPDM, braided, 150 psi minimum) is required to connect the ADVANTAGE Plus to the house air. This is not supplied with the ADVANTAGE Plus. The hose connects to a barbed



fitting on the back of the ADVANTAGE Plus.

Electrical Supply

- 120 VAC \pm 10%, single phase, 60 Hz, 15 Amps
- A GFI protected outlet (NEMA 5-15R) should be located within the operator's reach.

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 but of the chemicals that are used for disinfection.

- It is a health and safety requirement to have 10 to 12 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.
- A 4" flexible duct may be connected from the back of the ADVANTAGE Plus to the facility's exhaust system to aid in fume extraction.
- The ADVANTAGE Plus may also be supplied with an active vapor management system to aid in chemical vapor management. Please refer to the purchase order to determine the correct configuration of the ADVANTAGE Plus.

Dimensions

- The ADVANTAGE Plus physical dimensions are 62" H x 49" W x 31" D, weight 400 lbs.
- If the optional air compressor is installed, the ADVANTAGE Plus will need an additional 11" at the back of the unit. Alternately, the compressor may be installed remotely (in an adjacent room, closet, wall space).
- Space is required on either side of the unit (approximately a combined 12") for easy access to the internal components. If this is not available, the ADVANTAGE Plus contains a base with casters allowing the system to be moved. There should be adequate room for the ADVANTAGE Plus to be moved for access to accommodate maintenance.

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.
- Fill out the ADVANTAGE Plus Endoscope List & Operator ID form (PN 50092-380).

Network/Remote Access

- The ADVANTAGE Plus is equipped with a PC based computer running Windows XP (SP3) which will allow full networking along with the capability of remote diagnostics.

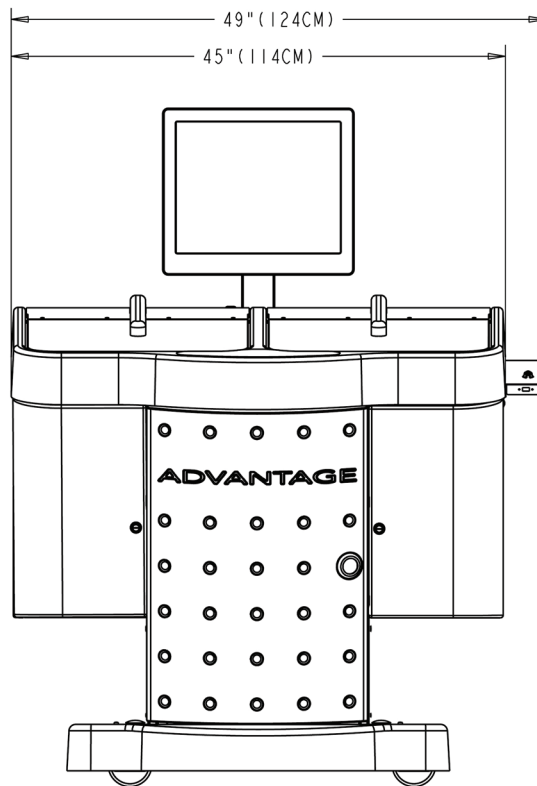


Figure 1. Front Dimensions

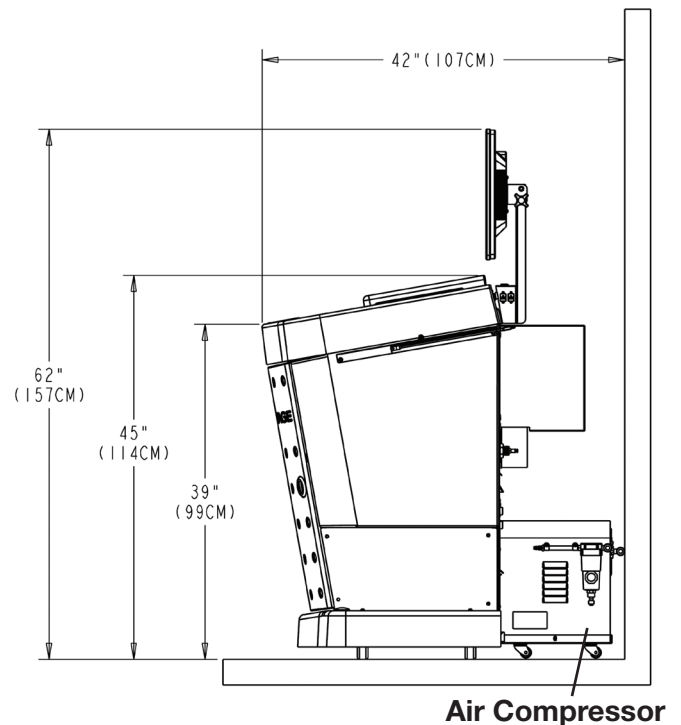
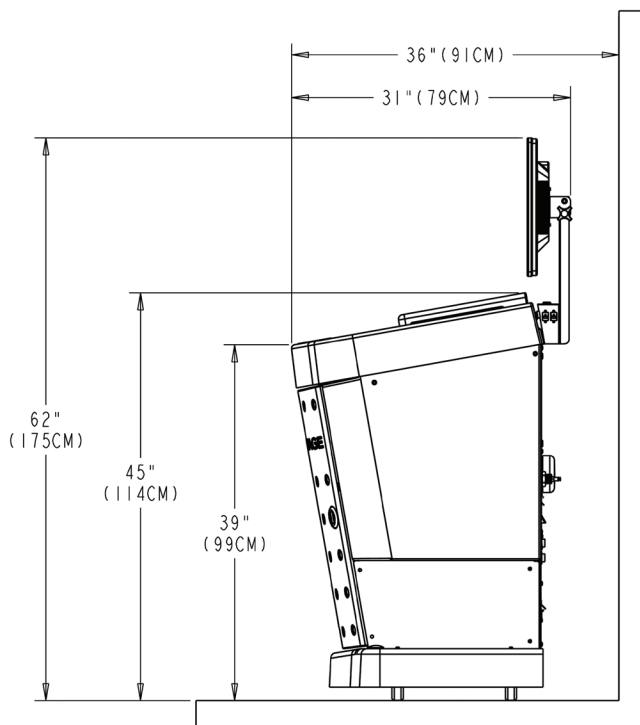


Figure 2. Side Dimensions & Clearance



- To allow for remote diagnostics an internet connection is required. This is highly recommended.

This 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 Medivators ADVANTAGE Plus Automated Endoscope Reprocessor.

SITE REQUIREMENTS

Water Supply	Minimum flow rate of 1.32 GPM with a pressure of 35 to 87 PSI	
	Water Temperature 35°C ± 2°C (95°F ± 4°F), on-demand supplied by a thermostatic mixing valve	
	The mixing valve must be accessible	
	Hardness, less than 12 gpg (200 ppm)	
	Pre-filter wall space 26" H x 38" W x 6" D	
Drain	3.17 GPM, less than 18" from the floor, vented	
Air Supply	Included air compressor, 120 VAC, adds 11" to depth of unit	
	House compressed air requirements: (dry/oil free) 58 to 125 PSI, minimum flow volume of 1.5 CFM, maximum particle size is 5 microns, maximum dew point is 7°C (45°F), maximum oil concentration is 5 mg/m ³	
Electrical Supply	120 VAC ± 10%, single phase, 60 Hz, 15 Amps	
	NEMA 5-15R outlet GFI protected, accessible by user	
Ventilation	10 to 12 room air exchanges per hour	
	Optional ventilation system available, 120 VAC, adds 7" to the depth	
Unit Dimensions	62" H X 49" W X 31" D, 400 lbs.	
	Add 12" of open space to the total width to aid with service access	
Endoscope List	ADVANTAGE Endoscope List & Operator ID form (50092-380) completed	
Remote Access	Internet connection (recommended)	



Manufactured in the USA by:

MINNTECH®
A Cantel Medical Company

Minntech Corporation 
14605 28th Avenue North
Minneapolis MN 55447 USA
Phone: 763.553.3300
Toll Free: 800.328.3340
Fax: 763.553.3387
Web: www.minntech.com

Minntech BV
Sourthweg 11 
6422PC Heerlen
The Netherlands
Phone: +31 45 5 471 471
Fax: +31 45 5 429 695
email: info@minntechbv.com

Minntech Asia / Pacific Pte Ltd
1A International Business Park
#05-01 Singapore 609933
Phone: +65 6227 9698
Fax: +65 6225 6848

Minntech Beijing Representative Office
Room 708, 7th Floor Kaiheng Center,
No. 2 Chaoyangmennei street
Dongcheng District, Beijing China, 100010
Phone: +8610 6567 8446
Fax: +8610 6567 8445