

THE **DISKCOVER**[™]
SYSTEM
PROTECT YOUR PATIENT

Instructions for Use



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THE DISKCOVER™ SYSTEM

Introduction

AseptiScope® disk covers have been proven effective as an aseptic stethoscope barrier to prevent patient exposure to harmful pathogens and contaminants.¹ The AseptiScope DiskCover™ System automates the touch-free application of AseptiScope disk covers to stethoscope diaphragms for hygienic patient contact. The DiskCover System includes a wall-mounted dispenser that houses a Clean Cassette® containing single-use disk covers.

In a study, clinicians who used the acoustically invisible disk cover on their professional stethoscopes had a diagnostic accuracy rate of 100% compared to clinicians using disposable stethoscopes, whose average accuracy rate of 89.5% included misinterpretations of systolic and diastolic murmurs.² In that same study, 95% of the participating clinicians expressed a preference for the use of disk covers compared to disposable stethoscopes.²

Intended Use

The DiskCover System automates the touch-free application of single-use disk covers to stethoscope diaphragms as an aseptic barrier to prevent patient exposure to harmful pathogens and contaminants. The DiskCover System is intended for use in all clinical settings.



Warnings and Precautions

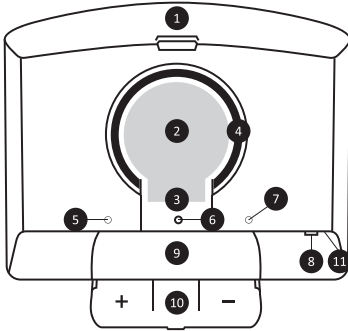
- Read all instructions prior to use.
- Do not install in location where the dispenser is exposed to extreme cold or hot conditions or in wet environments such as showers.
- Choose a location that allows for 7" clearance above and below the wall mount with a recommended height of 48-52" from the floor.
- Do not install without using a level.
- Do not use the dispenser or Clean Cassette if there is visible physical damage.
- Disk covers are single use only. Do not reuse.
- Only use authentic Clean Cassettes available from AseptiScope.
- Clean Cassettes are aseptic and should NOT be opened or reused.
- Use only Alkaline C-cell batteries.
- Dispose of used Clean Cassettes in accordance with federal, state or local regulations.
- USB port for service technician use only.
- Do not use excessive force when applying a disk cover.

DiskCover System Components and Accessories

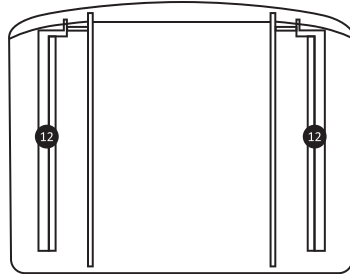
DiskCover System Starter Kit, includes 1-Dispenser, 1-Clean Cassette, 3-C-cell batteries, 1-wall mount, 4-mounting screws with anchors, 1-informational placard	REF DSC-KIT
DiskCover Dispenser, includes 3-C-cell batteries, 1-wall mount, 4-mounting screws with anchors, 1-informational placard	REF DSA-1
DiskCover Clean Cassette, containing 420 Disk Covers (+/- 1%)	REF CSA-1
Informational Placard	REF DSA-L1

System Overview

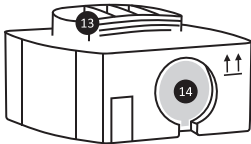
Dispenser - Front



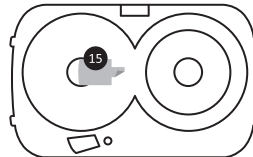
Dispenser - Back



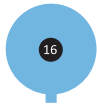
Clean Cassette - Front



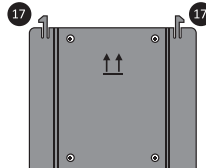
Clean Cassette - Bottom



Disk Cover



Wall Mount



1. Dispenser lid
2. Application window
3. Stethoscope tube notch
4. Light ring
5. Clean Cassette indicator light
6. Safety sensor*
7. Battery indicator light
8. Activation sensor
9. Battery compartment

10. Battery door
11. USB port
12. Mounting rails
13. Clean Cassette handle
14. Disk cover window
15. Shipping insert
16. Disk Cover
17. Release tabs

*Senses objects that could potentially disrupt the proper advancement and positioning of a new disk cover in the application window. If the sensor is triggered and disk cover halted before being fully placed in the application window, see DiskCover System Use for activation steps.

Dispenser Installation

The compact design of the DiskCover System allows for installation at the point of patient care to facilitate hygiene compliance.

1. Properly orient wall mount as indicated by up arrows facing outward, ensuring horizontal edge is level. Choose a location that allows for 7" clearance above and below the wall mount with a recommended height of 48-52" from the floor (Figure 1).
2. Secure the wall mount to the wall with the screws provided.
3. Position the dispenser above the wall mount, align with the mounting rails and slide down onto the edges of the wall mount (Figure 2) until the dispenser clicks into place (Figure 3).
4. Install batteries (see Install/Replace Batteries section).
5. Install Clean Cassette (see Install/Replace Clean Cassette section).

Figure 1

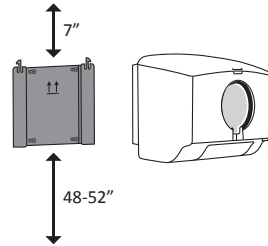


Figure 2

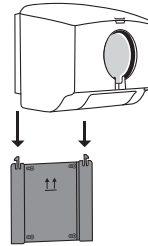
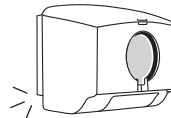


Figure 3



IMPORTANT: Clean Cassettes are aseptic and should NOT be opened or reused.

Install/Replace Batteries

1. Open battery door.
2. If replacing batteries, remove depleted batteries and dispose appropriately.
3. Insert three (3) C-cell batteries as shown on the inside battery door, placing center battery in last (Figure 4).
4. Close battery door. If properly installed, the battery indicator light will briefly illuminate green (Figure 5).

Figure 4

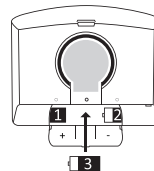


Figure 5



Install/Replace Clean Cassette

1. Remove Clean Cassette from protective bag (Figure 6).
2. Remove and dispose of shipping insert from bottom of Clean Cassette (Figure 7).
3. Open dispenser lid.
4. If replacing, lift the used Clean Cassette by its handle and remove.
5. Orient the new Clean Cassette this side up, as indicated by up arrows, with disk cover window facing toward you (Figure 8).
6. Holding the Clean Cassette handle, gently lower Clean Cassette into dispenser (Figure 9).
7. Close dispenser lid.
8. If a Clean Cassette has been properly installed, the Clean Cassette indicator light will briefly illuminate green (Figure 10). Upon activation, a brief pause may occur before first disk cover appears in dispensing window.

Figure 6

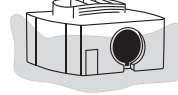


Figure 7

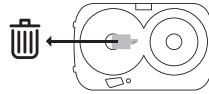


Figure 8

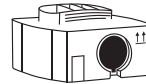


Figure 9

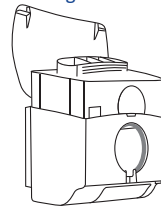
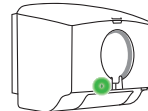


Figure 10



IMPORTANT: Clean Cassettes are aseptic and should NOT be opened or reused.

DiskCover System Use

1. **WAVE:** Grasp the chest piece of the stethoscope and wave under the activation sensor (right side of the dispenser) (Figure 11).
2. **APPLY:** After light ring turns green, firmly place the stethoscope diaphragm into the application window. (Be sure stethoscope tubing fits within the notch) (Figure 12).
3. **REMOVE:** Withdraw the stethoscope; a Disk Cover is now applied (Figure 13).
4. After patient exam, pull the white tab of the disk cover away from the stethoscope and dispose of properly (Figure 14).

Figure 11

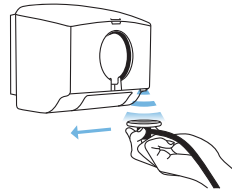


Figure 12

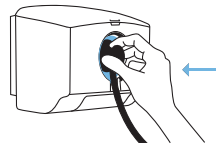


Figure 13

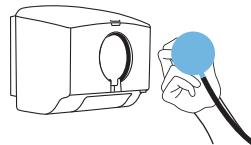
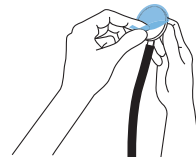


Figure 14



IMPORTANT: A Clean Cassette must be installed to activate the dispenser.

Visit DiskCover.com for video Instructions for Use and more information.

Cleaning/Disinfecting Dispenser

The dispenser can be cleaned with mild soap and damp cloth or with non-abrasive disinfecting agents.

Clean Cassette Disposal

The Clean Cassette is made from recyclable plastics but contains other materials that cannot be recycled. When disposing of empty Clean Cassette please do so properly.

Dispenser Removal

1. Remove Clean Cassette and batteries.
2. While holding the sides of the dispenser, locate the release tabs near the top of the wall mount (Figure 15) and press towards the center (Figure 16).
3. While pressing the tabs, raise the dispenser until clear of the wall mount (Figure 17).
4. If replacing the dispenser, see *Dispenser Installation* section.

Figure 15

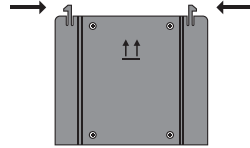


Figure 16

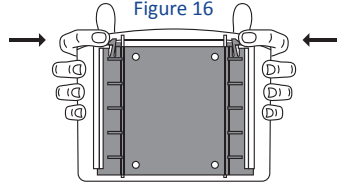
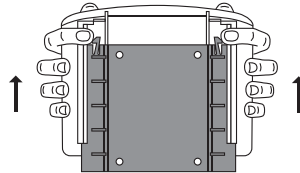


Figure 17



Light Indicators for Normal Operation

Application Window	
<p>Illuminating green light ring (in rotating sequence)</p>	<p>Wait while disk cover is being advanced into position.</p>
<p>Solid green light ring (illuminated 1 second)</p>	<p>Disk cover is in position and ready for application. NOTE: The light ring will not remain green. However, a disk cover can be applied whenever a disk cover is fully visible in the application window after the solid green light.</p>
Clean Cassette Indicator Light	
<p>Solid green Clean Cassette indicator light (briefly illuminated)</p>	<p>Authenticated Clean Cassette has been installed; dispenser is ready for use.</p>
<p>Blinking orange Clean Cassette indicator light every 4 seconds</p>	<p>Low; replace soon.</p>
<p>Blinking red Clean Cassette indicator light (every 4 seconds) Upon activation, blinking red Clean Cassette indicator light (for 8 seconds) with red light ring</p>	<p>Empty Clean Cassette; replace immediately.</p>
Battery Indicator Light	
<p>Solid green battery indicator light (briefly illuminated)</p>	<p>Batteries installed properly.</p>
<p>Blinking red battery indicator light</p>	<p>Replace 3-C-cell batteries immediately.</p>
<p>No battery light and System unresponsive</p>	<p>Replace 3-C-cell batteries immediately.</p>

Troubleshooting

Dispense Cycle Errors	
The DiskCover System is designed to manage a high throughput of adhesive materials and an occasional Dispense Cycle Error may occur.	
Disk cover not fully exposed in application window	<ol style="list-style-type: none"> 1. Wave 1x to clear error, wait 6 seconds. 2. Repeat 1x, if necessary. 3. If error persists, briefly remove and reinstall Clean Cassette. Wave 1x to clear error.
Overlapping disk covers	<ol style="list-style-type: none"> 4. If error persists, insert a new Clean Cassette. 5. Call Customer Support: 1-844-980-2998.

Disk cover did not adhere to diaphragm	<p>Be sure to hold the stethoscope by the chest piece (do not hold by the tubing) and firmly place the stethoscope diaphragm into the application window. Be sure stethoscope tubing fits within the notch. Do not use excessive force. If application is still unsuccessful wave below the activation sensor to position new disk cover in application window and reattempt.</p> <p>TIP: Lifting an edge of the stethoscope as you remove it from the application window first may improve disk cover adherence.</p>
Activation sensor is not activating dispenser	<p>NOTE: The dispenser will automatically pause 6 seconds between each dispense cycle. When activating, wave hand no more than 3 inches from the activation sensor. Hand must be removed from sensor to attempt reactivation.</p> <p>Ensure an authentic Clean Cassette is installed. Check for and remedy any battery and Clean Cassette indicator lights. If battery light is dark or not lit, replace batteries.</p> <p>Ensure nothing is blocking the activation sensor. Ensure nothing is covering the safety sensor.</p>

<p>Dispenser not functioning despite working batteries and an authentic Clean Cassette is installed</p>	<p>Ensure batteries are installed correctly. Ensure the shipping insert has been removed from bottom of Clean Cassette. If a Clean Cassette is not installed properly, no lights will illuminate.</p> <p>If dispenser does not activate:</p> <ol style="list-style-type: none"> 1. Wave 1x to clear error, wait 6 seconds. 2. Repeat 1x, if necessary. 3. If error persists, briefly remove and reinstall Clean Cassette. Wave 1x to clear error. 4. If error persists, insert a new Clean Cassette. 5. Call Customer Support: 1-844-980-2998.
<p>Light ring is blue</p>	<p>System has detected a potential problem and is working to resolve it. Wait for 6 seconds.</p> <ul style="list-style-type: none"> • If light ring turns green and disk cover is present in activation window, dispenser is ready. • If not: <ol style="list-style-type: none"> 1. Wave 1x to clear error, wait 6 seconds. 2. Repeat 1x, if necessary. 3. If error persists, briefly remove and reinstall Clean Cassette. Wave 1x to clear error. 4. If error persists, insert a new Clean Cassette. 5. Call Customer Support: 1-844-980-2998.
<p>Light ring turns orange during dispensing cycle</p>	<p>Safety sensor activated during a dispense cycle. Object too close to application window. See DiskCover System Use (page 8) for normal operation.</p>

<p>Solid red Clean Cassette indicator light (illuminated for 2 seconds) after NEW Clean Cassette Installed</p>	<p>Clean Cassette failed authentication. Check to ensure the shipping insert has been removed from bottom of Clean Cassette and reinstall. If no green Clean Cassette indicator light appears, try installing a new Clean Cassette and contact Customer Support at 1-844-980-2998.</p>
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Specifications

Dispenser:

- Dimensions: 6.08" x 7.98" x 6.30"
- Weight: 1.43 lbs
- Weight (with Clean Cassette): 2.75 lbs
- Battery: 3-Alkaline C-Cells
- Useful Life: 2 years

Clean Cassette:















- Dimensions: 4.96" x 7.13" x 4.20"
- Weight: 1.32 lbs






Wall Mount:

- Dimensions: 5.00" x 5.90" x 0.35"
- Weight: 0.95 lbs

For additional specifications, visit www.DiskCover.com

Symbols

Symbol	Definition
	Manufacturer
	Date of Manufacture
	Lot Number
	Serial Number
	Catalog Number
	Do not use if package is damaged
	Keep dry
	Temperature Limits
	Humidity Limits
	Consult instructions for use
	Does not contain latex
	Product contains electrical / electronic components. Dispose / recycle appropriately for electronic devices.
	Caution
	Do not re-use

Symbol	Definition
	Battery indicator
	Activation sensor
	Clean Cassette indicator
	RoHS
	Quantity

Warranty

AseptiScope warrants the dispenser and Clean Cassette shall be free from defects of workmanship and materials for a period of one (1) year from the date of purchase (the “warranty period”). If, during the warranty period, the dispenser or Clean Cassette fails under normal use and a replacement authorization number is obtained from Technical Support, the manufacturer will replace the component at no cost. This warranty does not cover damage caused by use inconsistent with product labeling, accident, abuse, negligence, alteration, and other defects not related to materials or workmanship. Warranty is voided if the component is repaired or altered by anyone other than the manufacturer.

Support

To order additional DiskCover Systems or replacement Clean Cassettes, please contact Customer Support, your sales rep, and/or order on-line at DiskCover.com.

The dispenser and Clean Cassette are not designed or warranted for field service. Please contact Customer Support: 1-844-980-2998.



AseptiScope.com

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Support@AseptiScope.com

References:

1. Vasudevan RS, et al. Mayo Clin Proc Innov Qual Outcomes. 2020;4(1):21–30.
2. Kalra S, et al. Mayo Clin Proc. 2021 Jan 1;96(1):263-4.

U.S. Patent No. 10,676,270

Other patents pending.

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AseptiScope.com

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