

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



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Introduction

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.

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 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

Disk covers are single-use barriers to be applied to the stethoscope diaphragm for stethoscope hygiene. The DiskCover System is intended for use in all clinical settings.



Warnings and Precautions

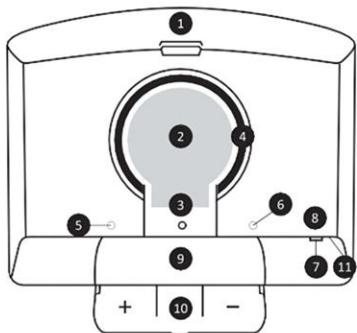
- Read all instructions prior to use.
- Do not install in location where the dispenser is exposed to extreme cold or hot conditions or in wet environments such as showers.
- Choose a location that allows for 7" clearance above and below the wall mount with a recommended height of 48-60" from the floor.
- 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

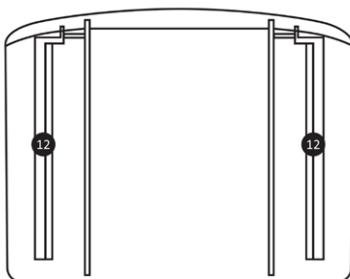
DiskCover System Starter Kit, includes 1-Dispenser, 2-Clean Cassette, 3-C-cell batteries, 1-wall mount, 4-mounting screws with anchors, 1-informational placard, 1-Quick Start Guide	REF DSC-KIT
DiskCover Dispenser, includes 3-C-cell batteries, 1-wall mount, 4-mounting screws with anchors, 1-informational placard, 1-Quick Start Guide	REF DSA-1
DiskCover Clean Cassette, containing 420 Disk Covers (+/- 3%), 1-Quick Start Guide	REF CSA-1

System Overview

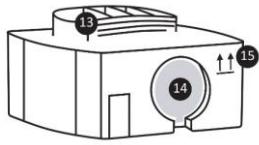
Dispenser - Front



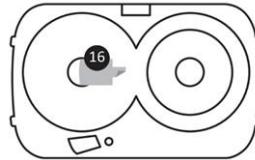
Dispenser - Back



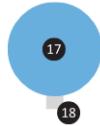
Clean Cassette - Front



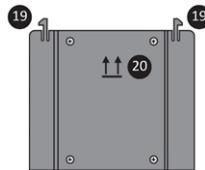
Clean Cassette - Bottom



Disk Cover



Wall Mount



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

11. USB Port
12. Mounting rails
13. Clean Cassette handle
14. Activation window
15. Clean Cassette up arrows
16. Shipping insert
17. Disk Cover
18. Peel tab
19. Release tabs
20. Wall mount up arrows

Installation Placement Guidelines

IMPORTANT: Proper placement of The DiskCover System ensures optimal compliance, utilization, and functionality.

Placement/Location Guidance:

- Install The DiskCover System within patient rooms. Installation within reach in patient and examination rooms is key to optimal compliance.
- Ensure proper clearance of at least 48" from the floor with nothing underneath. Nothing reflective underneath Dispenser, e.g., trash can, tray, cart, etc.
- Ensure proper clearance of 7" above and below the dispenser placement for lid opening and replacement of clean cassettes.
- Install as close to the hand hygiene station as possible for optimal workflow compatibility.
 - If space is not available, then as close to the patient exam area as possible.

Installation Avoidance Guidance

- In hallways, as studies have proven compliance is highest when placed as close to the hand hygiene station as possible.
- Above or near electrical outlet and electrical switches.
- Near patient privacy curtains.
- Within high traffic areas, such as in walking paths.
- Within the opening path of towel or hand sanitizer dispensers, cupboard doors, etc.
- Near sinks, as water splashing may damage electrical components or compromise the aseptic nature of disk covers.

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 48-60" from the floor (Figure 1).
2. Secure the wall mount to the wall with the anchors and 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. Activate the dispenser by opening the battery door and pulling out the battery tab (Figure 4). Battery indicator light will briefly illuminate green.
5. Install Clean Cassette (see Install/Replace Clean Cassette section).
6. Insert informational placard behind dispenser (Figure 5).

Figure 1

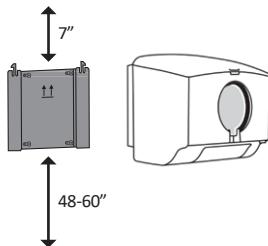


Figure 2

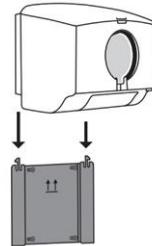


Figure 3

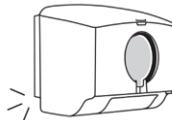
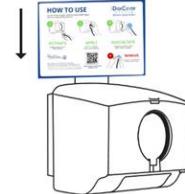


Figure 4



Figure 5



Replace Batteries

1. Open battery door.
2. Remove depleted batteries and dispose appropriately.
3. Insert three (3) alkaline C-cell batteries as shown on the inside battery door, placing center battery in last (Figure 6).
4. Close battery door. If properly installed, the battery indicator light will briefly illuminate green (Figure 7).

Figure 6

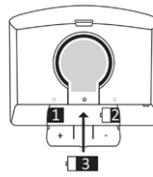


Figure 7



Install/Replace Clean Cassette

1. Remove Clean Cassette from protective bag (Figure 8).
2. Remove and dispose of shipping insert from bottom of Clean Cassette (Figure 9).
3. Open dispenser lid.
4. If replacing, lift the used Clean Cassette by its handle and remove.
5. Orient the new Clean Cassette straight up, as indicated by up arrows, with disk cover window facing toward you (Figure 10).
6. Holding the Clean Cassette handle, gently lower Clean Cassette into dispenser (Figure 11).
7. Close dispenser lid.
8. If a Clean Cassette has been properly installed, the Clean Cassette indicator light will briefly illuminate green (Figure 12). Upon activation, a brief pause may occur before first disk cover appears in dispensing window.
9. Activate sensor until initial leading disk cover is dispensed (see DiskCover System Use section). Remove and dispose of initial leading disk cover.

Figure 8

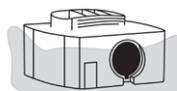


Figure 9

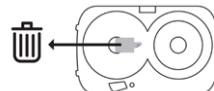


Figure 10

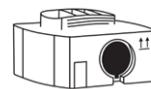


Figure 11

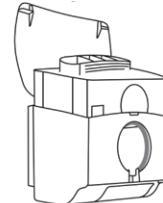


Figure 12



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

DiskCover System Use

1. **ACTIVATE:** Grasp the chest piece of the stethoscope. Hold flat and directly under the activation sensor (right side of the dispenser) (Figure 13).
2. **APPLY:** Press stethoscope diaphragm gently into the application window against disk cover to apply, then withdraw stethoscope. A disk cover is now applied. (Figure 14).
3. **AUSCULTATE:** Examine patient with clean disk cover barrier applied. (Figure 15).
4. **REMOVE:** After patient exam, grasp and pull the white peel tab of the disk cover away from the stethoscope and dispose of properly (Figure 16).

Figure 13

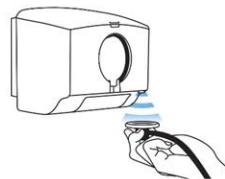


Figure 14



Figure 15

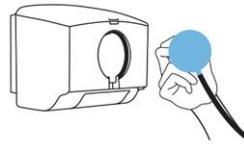


Figure 16



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. Apply hospital-approved cleaner to a cloth before wiping. Do not spray cleaner directly onto the dispenser. Do not wipe in or around the application window.

Clean Cassette Disposal & Recycling

The Clean Cassette is made from recyclable plastics and components that must be placed within proper recycling receptacles. Manage completed cassettes according to your facility's recycling policy, or contact AseptiScope Customer Support to learn more about proper recycling procedures and to inquire about our product sustainability and recycling program.

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 17) and press towards the center (Figure 18).
3. While pressing the tabs, raise the dispenser until clear of the wall mount (Figure 19).
4. If replacing the dispenser, see Dispenser Installation section.

Figure 17

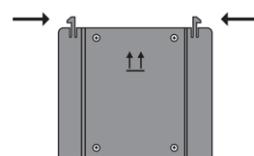


Figure 18

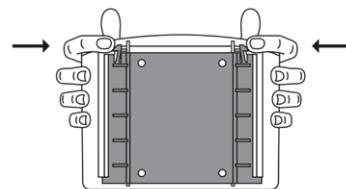
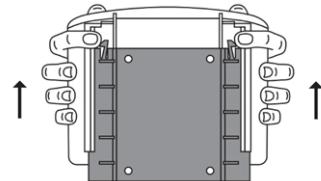


Figure 19



Light Indicators for Normal Operation

Application Window	
Illuminating green light ring (in rotating sequence)	Wait while disk cover is being advanced into position.
Solid green light ring (briefly illuminated)	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.
Clean Cassette Indicator Light	
Solid green Clean Cassette indicator light (briefly illuminated)	Authenticated Clean Cassette has been installed; dispenser is ready for use.
Blinking orange Clean Cassette indicator light	Clean Cassette low on disk covers; replace Clean Cassette.
Blinking red Clean Cassette indicator light Upon activation, blinking red Clean Cassette indicator light (briefly illuminated) with red light ring	Empty Clean Cassette; replace Clean Cassette immediately.
Battery Indicator Light	
Solid green battery indicator light (briefly illuminated)	Batteries installed properly.
Solid red battery indicator light (continuously illuminated)	Replace 3 C-cell batteries immediately.
No battery light and System unresponsive	Replace 3 C-cell batteries immediately.

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. Activate 1x to clear error, wait 3 seconds.2. Repeat 1x, if necessary.3. If error persists, briefly remove and reinstall Clean Cassette. Activate 1x to clear error.4. If error persists, insert a new Clean Cassette.5. Call Customer Support: 1-844-980-2998.
Overlapping disk covers	

Disk cover did not adhere to diaphragm	<p>Ensure diaphragm is dry before applying disk cover. 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 to diaphragm is still unsuccessful, activate below the activation sensor to position a new disk cover in application window, and reattempt.</p> <p>TIP: Lifting an edge of the stethoscope first as you remove it from the application window may improve disk cover adherence.</p>
Activation sensor is not activating dispenser	<p>NOTE: The dispenser will automatically pause 3 seconds between each dispense cycle. When activating, hold hand no more than 1 inch from the activation sensor. Hand must be removed from sensor to attempt reactivation.</p> <p>Ensure an authentic Clean Cassette is installed and the Clean Cassette shipping insert has been removed. Check for and remedy any battery and Clean Cassette indicator lights. If battery light is red or not lit, replace batteries.</p> <p>Ensure nothing is blocking the activation sensor.</p>

Dispenser not functioning despite working batteries and an authentic Clean Cassette is installed	<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. Activate 1x to clear error, wait 3 seconds. 2. Repeat 1x, if necessary. 3. If error persists, briefly remove and reinstall Clean Cassette. Activate 1x to clear error. 4. If error persists, insert a new Clean Cassette. 5. Call Customer Support: 1-844-980-2998.
Light ring is blue	<p>System has detected a potential problem and is working to resolve it. Wait for 3 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. Activate 1x to clear error, wait 3 seconds. 2. Repeat 1x, if necessary. 3. If error persists, briefly remove and reinstall Clean Cassette. Activate 1x to clear error. 4. If error persists, insert a new Clean Cassette. 5. Call Customer Support: 1-844-980-2998.
Solid red Clean Cassette indicator light (briefly illuminated) with red light ring after NEW Clean Cassette Installed	<p>Clean Cassette failed authentication. Check to ensure the shipping insert has been removed from bottom of Clean Cassette and reinstall.</p> <p>If no green Clean Cassette indicator light appears, try installing a new Clean Cassette and contact Customer Support at 1-844-980-2998.</p>

Specifications

Dispenser:

- Dimensions: 6.1" x 8.0" x 6.3"
- Weight: 1.4 lbs
- Weight (with Clean Cassette): 2.8 lbs
- Battery: 3-Alkaline C-Cells
- Useful Life: 2 years

Clean Cassette:

- Dimensions: 5.0" x 7.1" x 4.2"
- Weight: 1.3 lbs

Wall Mount:

- Dimensions: 5.0" x 5.9" x 0.4"
- Weight: 1.0 lbs

For additional specifications, visit www.DiskCover.com

Symbols

Symbol	Definition
	Manufacturer
	Date of Manufacture
	Lot 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 (e.g., removal of clean cassette lid or pulling of clean cassette carrier tape), and other defects not related to materials or workmanship. Warranty is voided if any 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



San Diego, CA 92131 USA

Customer Support: 1-844-980-2998

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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Learn More at DiskCover.com



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