THE DISKCOVER SYSTEM

PROTECT YOUR PATIENT

Instructions for Use

aseptiScope, Inc.
Infection Protection for Clinician & Patient

Table of Contents

THE DISKCOVER™ SYSTEM

Introduction

AseptiScope™ disk covers have been proven effective in providing 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 to ensure hygienic patient contact. The DiskCover System includes a wall-mounted dispenser that houses a Clean Cassette™ containing single-use disk covers. Once applied, the disk cover helps prevent pathogen exposure to the patient[1] without compromising the sound quality[2] of the stethoscope. The DiskCover System requires no formal training, takes seconds to apply an aseptic barrier, and provides clinicians a clean stethoscope surface for immediate use.

Intended Use

The DiskCover System automates the touch-free application of single-use disk covers to stethoscope diaphragms as an aseptic barrier for hygienic patient contact 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.
- Do not install in areas with less than 7" clearance above and below the wall mount.
- 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 Clean Cassettes provided by AseptiScope.
- Install 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 the 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 roll of 420 DiskCover Disks	REF CSA-1
Informational Placard	REF DSA-L1

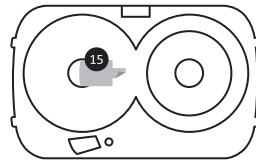## Description

Dispenser - Front
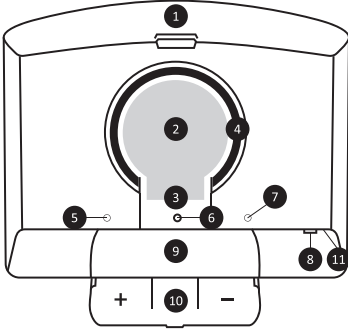
Dispenser - Back
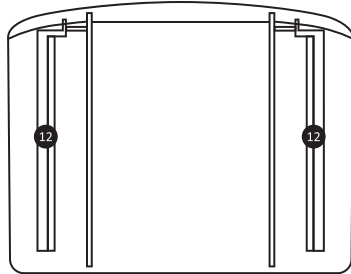
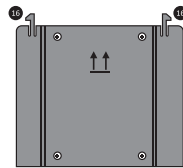### Clean Cassette - Front
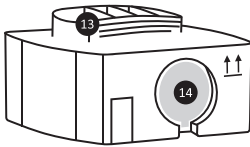
Clean Cassette - Bottom

DiskCover Disk (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. 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

1. Properly orient wall mount as indicated by up arrows facing outward, ensuring horizontal edge is level and with 7" clearance above and below the wall mount (Figure 10).

2. Secure the wall mount to the wall with appropriate screws (Figure 10).

3. Position the dispenser above the wall mount, align with the rails and slide down onto the edges of the wall mount (Figure 11) until the dispenser clicks into place (Figure 12).

4. Install batteries (see Install/Replace Batteries section).

5. Install Clean Cassette (see Install/Replace Clean Cassette section).
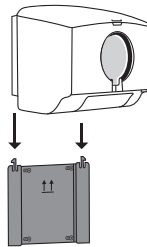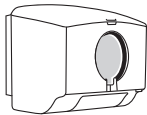
Figure 10

7"

7"
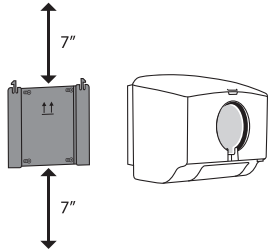
Figure 11

Figure 12

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 13).

4. Close battery door. If properly installed, the battery indicator light will briefly appear green. Dispenser will be ready for activation after 3 seconds (Figure 14).
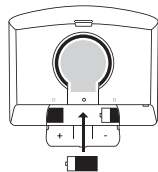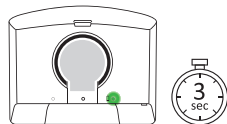
Figure 13

Figure 14

3 sec

Install/Replace Clean Cassette

1. Remove Clean Cassette from protective bag (Figure 1).

2. Remove shipping insert from bottom of cassette (Figure 2).

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 arrow, with disk cover window facing toward you (Figure 3).

6. Holding the Clean Cassette handle, gently lower Clean Cassette into dispenser (Figure 4).

7. Close dispenser lid.

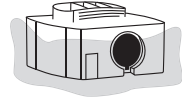8. If a Clean Cassette has been properly installed, a green Clean Cassette indicator light will briefly illuminate (Figure 5).
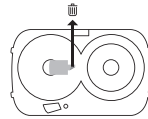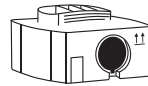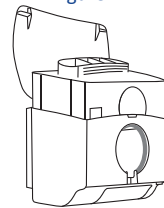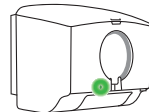
Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

DiskCover System Use

1. **WAVE:** Grasp the chest piece of the stethoscope and wave under the activation sensor (right side of the dispenser) (Figure 6).

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 7).

3. **REMOVE:** Withdraw the stethoscope – a DiskCover Disk is now applied! (Figure 8)

4. After patient exam, pull the white tab of the disk cover away from the stethoscope and dispose of properly (Figure 9).
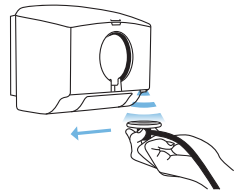
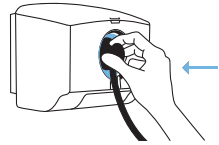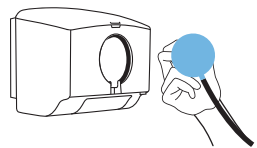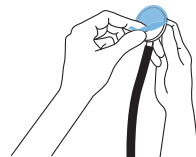**IMPORTANT:** A Clean Cassette must be installed to activate the dispenser.

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

Figure 6

Figure 7

Figure 8

Figure 9

Clean/Disinfect 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 recycled plastics but contains other materials that cannot be recycled. When disposing your 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 depressing the tabs, raise the dispenser until clear of the wall mount (Figure 17).

4. If replacing the dispenser, *see Dispenser Installation section.*
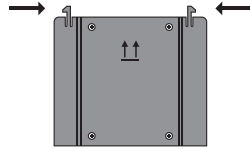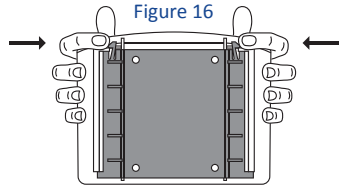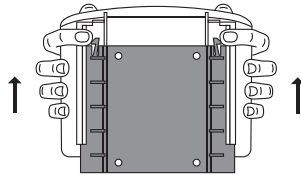
Figure 15

Figure 16

Figure 17

Light Indicators for Normal Operation

Illuminating green light ring (in rotating sequence)	Wait approximately 1.5 seconds, disk cover being advanced into position.
Solid green light ring (illuminated 1 second)	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.
Blinking red Clean Cassette indicator light every 8 seconds	<15 disk covers remaining in the Clean Cassette, replace Clean Cassette immediately to prevent disruption of dispenser use.
Blinking red battery indicator light	<10% of battery life remaining, replace 3-C-cell batteries immediately to prevent disruption of dispenser use.
Solid green Clean Cassette indicator light (briefly illuminated)	An authenticated Clean Cassette has been installed and dispenser is ready for use.
Solid green battery indicator light (briefly illuminated)	Batteries installed properly.
Solid blue light ring (illuminated 3 seconds)	Clean Cassette has been depleted. Replace Clean Cassette immediately.

Troubleshooting

Disk cover did not adhere to diaphragm	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, manually remove by pulling disk cover from application window and discard. Wave below the activation sensor to position new disk cover in application window and reattempt. **TIP**: Not all stethoscopes are made equal! Lifting an edge of the stethoscope first may improve disk cover adherence.
Disk is not fully exposed in application window	• If light ring is red, a motor current overload occurred. Try re-moving any visible disk covers and wave below the activation sensor after 6 seconds. If dispenser does not activate/advance disk cover, check for and remedy any indicator lights. • If light ring is not red, dispenser is operational. A partially ex-posed disk cover may be visible, but should not alter performance. Activate activation sensor.
Activation sensor is not activating dispenser	**NOTE**: The dispenser will automatically pause 6 seconds between each activation. Ensure a Clean Cassette is installed. Check for and remedy any battery and Clean Cassette indicator lights. Ensure nothing is blocking the activation sensor. Ensure nothing is covering the safety sensor.

No lights after activation sensor is activated despite working batteries and a Clean Cassette is installed with disk covers present	Ensure batteries are installed correctly. Ensure the shipping insert has been removed from bottom of Clean Cassette prior to installation. Ensure Clean Cassette is installed. If a Clean Cassette is not installed properly, no lights will illuminate. If dispenser doesn't activate, perform system reboot: 1. Remove Clean Cassette and batteries. 2. Wait 5 seconds. 3. Reinstall batteries. If no green Clean Cassette indicator light appears, try replacing the Clean Cassette with a new one. If dispenser still fails to operate contact Customer Service.
Light ring is red for 2 seconds after activation sensor is activated	No disk cover detected or motor not advancing. 1. Remove Clean Cassette. 2. Remove any visibly jammed disk covers. If no disk covers are visible, perform system reboot (described above). 3. Reinstall Clean Cassette. If light ring again turns red, replace with new Clean Cassette.
Light ring is yellow for 2 seconds after actication sensor is activated	Forward safety sensor activated within less than .25" during a dispense cycle.

Solid Red Clean Cassette indicator light (illuminated for 2 seconds) after Clean Cassette Installed	Clean Cassette failed authentication. Check to ensure the shipping insert has been removed. Perform system reboot (described above). If green battery indicator light appears, reinstall Clean Cassette. If no green Clean Cassette indicator light appears, try installing a new Clean Cassette and contact Customer Service.
Solid Red Clean Cassette indicator light (illuminated for 3 seconds) after activation sensor is activated	Clean Cassette is empty, replacement needed. Refill dispenser with new Clean Cassette.

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	Lot Number
SN	Serial Number
REF	Catalog Number
⊘	Do not use if package is damaged
☂	Keep dry
-20°C 〜 55°C	Temperature Limits
15%RH 〜 95% RH	Humidity Limits
i e-IFU	Consult instructions for use
LATEX	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
⟳	Replace Clean Cassette indicator
✔ RoHS	RoHS
QTY	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 dispenser 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 dispenser is repaired or altered by anyone other than the manufacturer.

Support

To order additional DiskCover Systems or replacement Clean Cassettes, please contact Customer Service, 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 Service: 1-844-980-2998.

AseptiScope.com
San Diego, CA 92103 USA
Customer Support: 1-844-980-2998
support@AseptiScope.com

References:
1.   Vasudevan R, Shin JH, Chopyk J, et al. Aseptic Barriers Allow a Clean Contact for Contaminated Stethoscope Diaphragms. Mayo Clin Proc Innov Qual Outcomes. 2020;4(1):21–30.
2.   Kalra S, Shewale JB, Peacock WF. Are Stethoscopes and Infection Control Enemies? Oct 2020; v76(4S); S99 (277).

Patent pending.

Learn More at DiskCover.com

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