

DCell Suction In-Service Video.

Hello, I'm Sam Say with SSCOR, Incorporated and this is an In-Service video for SSCOR's new DCell Suction device. It is the first medical aspirator to be developed with Disaster preparedness in mind.

As you know hospitals must be prepared for many different forms of disasters: Earthquakes, floods, epidemic disease and acts of terror are just a few. Regardless of the type of disaster, hospitals and emergency personnel must be able to respond quickly and effectively. Ensuring that reliable, long lasting medical vacuum is available is an important for patient care, as many patient's airways require mechanical clearing or are otherwise dependent on medical vacuum.

In this video I will conduct a quick in-service of the SSCOR DCell Suction device.

The feature that makes the DCell Suction truly unique is its use of "D" Cell alkaline batteries. A battery pack containing 12 fully charged alkaline batteries at full capacity will power the device for approximately 6-9 hours. This run time is defined as the period of time the device generates more than 300mmHg negative pressure. This run time specification is based upon tests conducted using new Duracell CopperTop batteries. Run times are affected by many variables which include the brand of battery, the age of the battery, and ambient temperature.

When filling the 12xDCell Battery Holder assembly for the first time or replacing the batteries, access the battery holder assembly by opening the top of the chassis (Show). Disconnect the Molex on the 12xD Cell Battery Holder assembly from the wiring harness.

Once it is disconnected lift the 12xD Cell Battery Holder assembly out of the chassis, noting the orientation of the battery holder. The battery holder will only fit in this orientation. If replacing discharged batteries, remove them from the 12xDCell Battery Holder assembly and dispose of them according to local / regional or national requirements for the disposal of alkaline batteries. Install 12 new D Cell alkaline batteries into the 12xDCell Battery Holder assembly - being careful to assemble the batteries in the correct orientation as indicated on the battery holder assembly. When the battery holder assembly is loaded with 12 new "D" Cell alkaline batteries, set the 12xDCell battery holder assembly back into the chassis. As noted earlier, the battery holder only fits in one orientation.

Re-connect the Molex on the battery holder assembly to the wiring harness. Turn the device on to verify the batteries are correctly installed and the battery holder is connected to the wiring harness.

Once the device is running from the internal battery pack, check the control panel and observe the battery voltage indicator to gauge the level of battery charge. The green LED indicates a high level of charge. The red LED indicates the battery voltage is nearly depleted and the negative pressure level of the device will soon be below 300mmHg. Immediately install fresh batteries into the battery holder or connect device to an appropriate 12V DC power source. Speaking of power sources, the DCell Suction also comes with a 12V DC power receptacle which can run the device indefinitely using a vehicle's cigarette lighter outlet or an AC to DC power adapter.

In use, the DCell Suction is no different than any of SSCOR's full sized suction devices.

The DCell Suction features a variable regulator that can be adjusted below 50mmHg to above 525 mmHg, making it a solution for treating virtually all patients from neonates to adults.

To adjust the vacuum level occlude the patient tube and turn the vacuum regulator clockwise.

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Watch as the gauge rises to -300mmHg from zero in 3 seconds. It should max out at approximately ≥ -525 mmHg.

The DCell Suction is designed to be stored in your disaster preparedness equipment cache. With that in mind the DCell Suction has three different canister orientations that can be utilized to best fit your cache and storage requirements. Like many of SSCOR's products, the DCell Suction features a universal canister holder that fits most any canister currently on the market. You will not need to purchase special canisters for this suction device.

In regards to sanitation and disinfection it is best practice to as soon as possible dispose of the the single use disposable canister, patient tubing and catheter according to local / regional / national requirements for the disposal of hazardous waste materials. The DCell Suction can be cleaned using a mild detergent and if necessary disinfect with a mild disinfectant such as 10 to 1 bleach and rinse using clear water to remove any residue.

If you have any questions concerning the DCell Suction or anything we have gone over during this videos please contact SSCOR at 1-800 -###-#### or sales@sscor.com.

Thank you for choosing SSCOR!