

SCRIPT-Duet In-Service

Hello, I'm Sam Say with SSCOR and I am speaking about the use of the SSCOR Duet emergency aspirator.

Respiratory and cardiac emergencies can take place in locations not designed for management of such critical procedures. In these cases it is important to have a good source of mobile, powerful emergency suction. The Duet is just that. An AC powered aspirator with battery back up. The Duet can run unconnected to wall power for up to 45 minutes, or continuously from wall power.

While it is usually found on the hospital emergency cart, the Duet can also be placed at strategic locations or kept on standby for patient transport and to support patient ambulation.

Let's familiarize ourselves with the Duet and get it ready for use. First, the canister. While the Duet is shipped with a Bemis canister, it can also be customized to fit virtually any canister available, including the canister used throughout your facility. So, your Duet may have any one of these canisters installed. It will work effectively in each case, as long as the canister is properly installed and connected. Check all connections on the canister and make certain there are no leaks. Take special care to ensure that the tubing from the canister to the Duet is attached to the vacuum port of the canister. DO NOT connect that tube to the patient port of the canister. This can allow fluids to reach the Duet.

The Duet is designed to be used with commercially available canisters, tubing and suction tips. But, if you are using the Duet for oropharyngeal suction, SSCOR recommends using tubing and tips, such as the SSCOR Hi-D, with the largest available inner diameter.

The regulator and gauge permit you to adjust vacuum to levels appropriate to the procedure. The Duet can be adjusted to any vacuum level between less than 50mmHg and greater than 525 mmHg. Just occlude the patient tube or the patient port on the canister, turn the knob and observe the resulting vacuum level on the gauge. The regulator will cover the entire vacuum range in just ¼ turn, providing you with a quick adjustment. Select the vacuum level for your procedure indicated by your organization's protocols.

On the control panel is the on/standby-off switch. The green running light next to the switch gives you a visual indication that the pump is running. You can also hear the pump run if ambient noise is not too high.

Adjacent to the on/standby-off switch is the battery condition indicator consisting of three led lights – green, yellow and red. Green only means a full charge. Green and yellow means that the charging level is high, Yellow only means that approximately half the run time is left; yellow and red means that the charge level is low and red only means that the battery is completely depleted. The pump will quit running when only the red light is illuminated. Expected run time for a fully charged Duet with a healthy battery is 45 minutes. When the Duet is turned on after the Green LED indicates a full charge, the Green and Yellow LED will immediately light indicating the battery has a high charge.

Also on the control panel is the amber Power Source connection light. This light is illuminated whenever the Duet is connected to a power source, which is to say, plugged into the wall. SSCOR strongly recommends keeping the Duet connected to a power source at all times when it is not in use.

If your Duet has a retention bracket to connect it to a cart or wall, and you wish to remove the Duet, simply remove the cord from the front, grasp the handle with one hand, and with the fingers of the same hand, pull the lever forward and lift. Put the Duet back on the bracket with one hand.

A few other important points:

Make sure that you change the canister periodically if it has not been used and disposed of. Some manufacturers put expiration dates on canisters because they can become brittle over time and there is danger of implosion.

As mentioned above, always keep the Duet connected to power when it is not in use. This ensures a maximally charged battery and extends battery life.

When a battery ages it loses capacity and can mimic a healthy battery while offering short run times. Even though your indicator lights show a fully charged battery, periodically run the battery test described in your manual and on a separate video on our website.

If you have questions, or if anything in this presentation is unclear, please refer to the manual, call us at 818 504 4054 or email us at techsupport@sscor.com

The Duet provides you with high quality vacuum anywhere in your hospital. It can help you provide the emergency care you want to provide more quickly.

[Click here](#) to return to the Duet In-Service Video.