

## Product Information

### Spirit Cannula Barb

The plastic cannula barb for Spirit portables can be ordered separately. Order it using part number #11795013.



### CR50 Conserving Oxygen Regulator

The CR50 Conserving Oxygen Regulator (P/N 6-134220-01) will be obsolete once current inventory is sold. Market demand did not support continued production.

### Eclipse Power Supplies & Batteries

Replacement AC & DC power supplies and power cartridges are available for all models of the SeQual Eclipse. Use the part numbers below when ordering replacement power supplies.

Note that all replacement AC power supplies that are ordered will come standard with a North American electrical cord. Customers outside of North America will need to either order the electrical cord for their area or use the universal power plug set of adaptors.

Model	AC Power	DC Power	Power Cartridge
Eclipse 1	7086-SEQ	7088-SEQ	7082-SEQ
Eclipse 2 & Eclipse 3	5941-SEQ	5942-SEQ	
EU Electrical Cord	3892-SEQ	NA	
UK Electrical Cord	3891-SEQ	NA	
Universal Power Plug Set	5591-SEQ	NA	

## Helpful Hints & FAQ's

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### Proper Care of Eclipse Power Cartridge

Follow these guidelines to care for an Eclipse power cartridge. This will maximize its service life and help to maintain the length of time it holds a charge. If properly cared for, the power cartridge will maintain 80% of its typical new operating time for a service life of 500 full charges and discharges.

- Store the power cartridge in a cool and dry location when it is not in use. Extreme temperatures and moisture can damage the cartridge. Do not leave in a vehicle on a hot day.
- Follow the operating conditions guidelines for the Eclipse. The concentrator should operate in environments between 50-104°F (10-40°C) and between 10-95% relative humidity.
- Calibrate the power cartridge monthly. The cartridge is a dual cell, lithium ion battery. If it is observed that the cartridge is not fully charging or not holding a charge as long as it once did, this could be a sign that the dual cells are out of calibration. Follow the below procedure to calibrate the power cartridge:
  - 1 Install the power cartridge in the Eclipse.
  - 2 Remove external AC power and operate the Eclipse from the power cartridge only.
  - 3 Let the unit run continuously until the power cartridge is completely drained. This is best done at 2 LPM continuous flow, but can be done at the patient's prescribed flow rate if in use while calibrating.
  - 4 10 to 15 minutes before the end of the discharge cycle, the "Low Power Cartridge" alarm will sound, followed by the "Power Cartridge Shutdown" alarm.
  - 5 Press the power button to silence the alarm.
  - 6 Re-attach the external power supply, leaving the power cartridge installed. Verify that the green external power light illuminates.
  - 7 Allow the power cartridge to fully charge as indicated on the Eclipse display.
- Note the age of a power cartridge before putting it into service. The age can be determined from the serial number of the cartridge, which is found on the white bar code sticker located on the top of the cartridge. The first two digits of the serial number indicate the year the cartridge was manufactured.
- If the cartridge is observed to be holding less than 80% of its typical new operating time and has been properly cared for and calibrated, it is recommended that the cartridge be replaced as it has likely reached the end of its service life. The table below gives the typical operating times for new power cartridges to be used as a guideline for determining and validating performance. Values in this table may vary based on bolus size, breath rate of the patient, and operating environment.

Flow Setting	Typical New Cartridge Operating Time (Hours)
0.5 LPM Continuous	4.4
1.0 LPM Continuous	3.7
2.0 LPM Continuous	2
3.0 LPM Continuous	1.3
16 mL Pulse	5.4
32 mL Pulse	5.1
48 mL Pulse	4.9
64 mL Pulse	4
80 mL Pulse	3.7
96 mL Pulse	3.5
128 mL Pulse	2.5
160 mL Pulse	2
192 mL Pulse	1.7

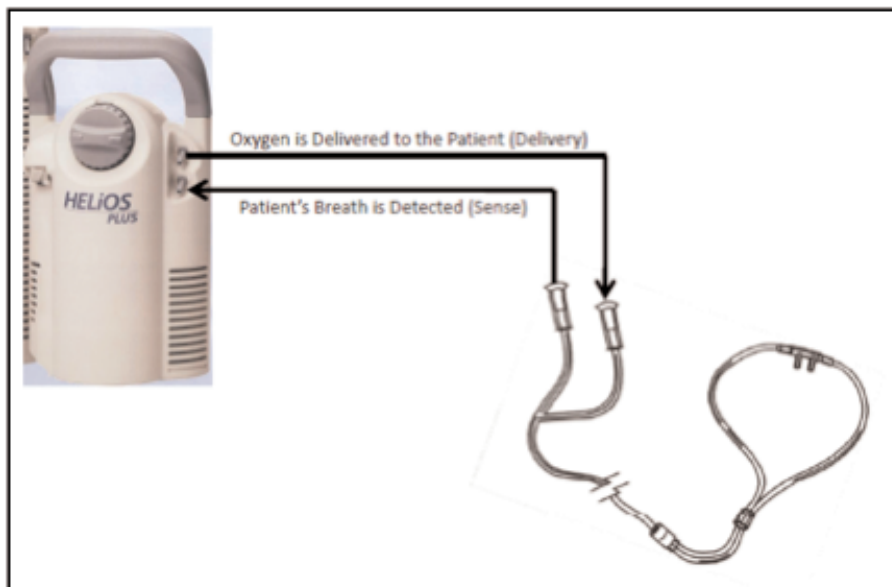
## HELiOS Cannula Question

### Question:

Can a single lumen cannula be used with the HELiOS Marathon or HELiOS Plus portable units?

### Answer:

No. A dual lumen cannula must be used. A connection to each barb of the portable is necessary for the unit to operate properly. The flow control valve on HELiOS H300 and H850 can only be opened by the pressure created when a patient inhales through the cannula, regardless of whether the unit is in demand or continuous flow. The bottom cannula barb is responsible for sensing this inhalation. The top cannula barb delivers the oxygen through the cannula. The flow control valve will not open to deliver oxygen if a single lumen cannula is used.



## Accessories

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### Erie Liter Meters

CAIRE offers two pocket-sized Erie Liter Meters for checking flow rates on respiratory products. A 0-8 LPM meter can be ordered using part number #97200076, and a 6-15 LPM meter can be ordered using part number #10995620.

Note that these are not calibrated flow meters and should be used as a rough indication only. If there is a suspected flow problem when using the Erie Liter meters, then the driver should tag the unit for service, OR to be tested with a properly calibrated flow meter. The Erie Liter Meters should always be held as vertically as possible when measuring flows for best results.



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### Customer & Technical Info

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For ordering information contact

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