



ERC Backpack Portable

- Carry As Backpack, Duffle Bag Or By Grab & Run Handle.
- Holds Standard "D", Jumbo "D" Cylinder or "EE" Carbon Fiber Oxygen Vessel.
- Individual Compartment Labels
- 600 Denier Polyester With Durable Shelterite Bottom
- Configure With Bi-Flow D/R or OX-Series Inhalator.
- Includes All Brass Regulator



SAR Portable

- Holds 'DD' Carbon Fiber Oxygen Vessel
- More Oxygen Capacity Than Standard Jumbo "D" Cylinder ‡.
- 57% Less Weight vs. Standard Jumbo "D" Cylinder
- Compact Design For Search & Rescue Environments.
- Configured With Bi-Flow D/R or OX-Series Inhalator.
- Includes All Brass Regulator



SeaHorse Portable

- Water Tight Case Protects Equipment From Harsh Environments
- Overall Smaller Size With More Oxygen Than Comparable Portable Units *
- Custom Die Cut Foam For Proper Product Fit.
- Holds 'DD' Carbon Fiber Oxygen Vessel
- Configured With Bi-Flow D/R or OX-Series Inhalator.
- Includes All Brass Regulator

Portable Oxygen Systems

Spiracle Technology's complete line of Portable Oxygen Systems provides the emergency care professional with three base configurations. The ERC Backpack, SAR and SeaHorse Portable can be configured to meet the wide range of needs for Emergency Respiratory Care in the pre-hospital, marine and industrial settings.

Each portable is designed to withstand the harshest of environments. From the ERC Backpack Portable, with shelterite on the bottom surface to withstand rough scrapes on asphalt, to the SeaHorse Portable, with its hard shell and water tight seal, the Spiracle Technology line of Portable Oxygen Systems stand-up to the test.

Spiracle's Portable Oxygen Systems are designed with quick access features for rapid deployment of resuscitation and emergency care equipment. The ERC Backpack features a quick access flap on the top lid which allows the operator to turn on the oxygen system and monitor the cylinder contents without removing the oxygen cylinder.

The BravO₂ regulator with its all-brass construction is included as standard in the ERC, SAR and SeaHorse Portables. An aluminum body regulator with internal brass components is also available and may be substituted for the all-brass regulator. (The BravO₂ series regulator is recommended in applications where the 'DD' Carbon Fiber Oxygen Vessel will be filled to 3000 psig.)

‡ Capacity based on Carbon Fiber Oxygen Vessel filled to a service pressure of 3000 psig.

10 Good Reasons To Use Spiracle Technology Portable Oxygen Systems

Rescue Ready- The ERC BackPack Portable holds a standard 'D', Jumbo 'D' or 'EE' Carbon Fiber Oxygen Vessel. The BackPack center of gravity with cylinder allows hands free access to squeeze into tight places in narrow rescue scenes and works well during ascent/descent situations and operations.

Custom Compartments & Configuration- The SeaHorse Portable is configured with custom die-cut foam which contours and protects resuscitation equipment. The ERC BackPack portable has six large compartments which can be identified with custom labels.

Durability - Dependability- The ERC BackPack and SAR Portable are constructed of 600 denier, waterproof polyester with a vinyl backing. Closed cell, moisture resistant foam is used throughout the ERC BackPack. Both units are sewn with #49 nylon thread, reinforced seams all double and triple stitched. Stress points are reinforced with grosgrain binding. The SeaHorse portable is configured in a ridged hard plastic Pelican™ case. The SeaHorse portable will stand up to abuse and the tough elements found in marine rescue, off shore drilling and industrial settings.

Versatile- Configure each Portable for basic rescue through advanced life support. The delivery of emergency respiratory care is worn as your personal back pack with the ERC BackPack and SAR Portable. The SeaHorse Portable can accommodate additional items like a first aid kit or suction device.

Organization- Each portable is logically organized for quick access in emergency situations.



Front Compartments of SAR BackPack

Additional Oxygen- The ERC Portable Oxygen System can be configured to carry 'D', Jumbo 'D' and Carbon Fiber Oxygen Vessels (CFOV). Portables configured with Spiracle Technology Carbon Fiber Oxygen Vessels provide the rescuer with more oxygen when compared with standard aluminum cylinders. The 'EE' CFOV contains 1,377 liters of oxygen over twice the amount of a Jumbo 'D'. The 'DD' CFOV contains 717 liters[‡] of oxygen almost twice the amount found in a standard 'D' cylinder.

[‡] Capacity based on Carbon Fiber Oxygen Vessel filled to a service pressure of 3000 psig.

Value Priced- The Spiracle line of Portable Oxygen Systems configured with Carbon Fiber Oxygen Vessels and Spiracle equipment provide the best value for the emergency respiratory care provider.

Versatile O₂ Administration- Whether configured with the OX-series Inhalator for the spontaneous breathing patient or with the Bi-Flow Demand/Resuscitator for spontaneous breathing and non breathing patients the Spiracle Technology line of valves provide exceptional resuscitation performance.

Quality Manufacturing- Each component that comprises the Portable Oxygen System is manufactured in the United States to FDA QSR, ISO 9001, MIL Specs or DOT requirements and/or quality standards.

Comfortable- Padded shoulder straps and even weight distribution make the ERC BackPack Portable comfortable to carry in emergency situations. The small size of the SAR Portable make it the perfect choice for Search And Rescue operations where oxygen is needed.

CAUTION: Federal law restricts these devices to sale by or on the order of a physician.

How To Specify And Order Spiracle Technology Portable Oxygen Systems

ERC BackPack Portable
Model No. 703-06*
ERC BackPack Case
'EE' Carbon Fiber Oxygen Vessel
BravO₂ Oxygen Regulator
Bi-Flow Demand/Resuscitator
Oxygen Supply Hose
Disposable Cuffed Mask



703-07* Bi-Flow D/R w/o 'EE' O2 Vessel
703-08* OX-series instead of Bi-Flow D/R
703-09* OX-series w/o 'EE' O2 Vessel

SAR Portable
Model No. 704-02
SAR Case
'DD' Carbon Fiber Oxygen Vessel
BravO₂ Oxygen Regulator
OX-series Inhalator
Oxygen Supply Hose
Disposable Cuffed Mask



704-03 Bi-Flow D/R instead of OX-series

SeaHorse Portable
Model No. 702
Pelican™ Case
'DD' Carbon Fiber Oxygen Vessel
BravO₂ Oxygen Regulator
OX-series Inhalator
Oxygen Supply Hose
Disposable Cuffed Mask



702-01 Bi-Flow D/R instead of OX-series

* Portable may be configured with ORO2 Oxygen Regulator.

Valve Selection When Configuring Portable Oxygen Systems



OX-series Inhalator[†]

Used on spontaneously breathing patients for aquatic injuries, dive accidents, smoke inhalation, carbon monoxide poisoning. Provides 100% source gas with minimal respiratory effort.



Bi-Flow Demand/Resuscitator[†]

Used on breathing or non-breathing patients. Meets AHA guidelines for cardiopulmonary resuscitation. Selectable flows (40 LPM Resuscitation & 160 LPM Spontaneous). Audible Alert when maximum valve pressure is reached (60 cm H₂O).

[†] Please refer to individual sales sheets for complete specifications.



SAR BackPack in use



ERC BackPack in use



ERC BackPack Shoulder Strap

Spiracle Technology
A FERRO Group Company

16520 Harbor Blvd., #D
Fountain Valley, CA 92708-1360
Phone: (714) 418-1091 • Fax: (714) 418-1095
e-mail: info@spiracle.com • www.spiracle.com