

SUREVENT® MCI KIT

Multi-Patient Ventilation System



- Ideal for Prehospital and Disaster Management
- Provides a Single Staging Point for Multiple Patients
- Handles from 1 to 7 Patients per Kit
- Single Gas Source Connects to Multi-Outlet Manifold
- Sturdy Base Stores 20 Feet of Oxygen Hose
- Fixed - Orifice Adapters Provide 15LPM or 25 LPM
- Built-In Regulator Allows for Gas Pressure Adjustment
- Large 1.5" Gauge for Monitoring Working Gas Pressure
- Holds 10 SUREVENT Disposable Ventilators (Sold Separately)
- No Annual Calibration Needed for the SUREVENT
- Watertight, Protective Hard Case
- Kit is clearly Marked for Easy Identification

Why use automated ventilatory support?

Studies have shown that manual ventilation with a BVM, no matter how well performed, can still be improved*. From under-ventilation to over-ventilation, manually "bagging" a patient is a time consuming and tedious task. Manual ventilation reduces the number of free hands available to assist in other areas of patient care, increases the number of personnel in the back of the ambulance, and is still not the best possible respiratory care for the patient. Manual ventilatory support must also be interrupted when moving a patient down stairs or loading them into an ambulance. Each time a BVM is connected, disconnected or moved into a different position the chances for accidental extubation is increased. Automated ventilatory support greatly reduces these problems.

Why use the SUREVENT® MCI Kit?

This compact, well organized kit provides an efficient means to provide ventilatory support for 1 to 7 patients. The durable, watertight hard case protects the oxygen manifold and the ten SUREVENT units from damage and moisture. The cases can be stacked in a disaster response trailer or stored on a shelf for quick deployment. The oxygen manifold has seven outlets, an in-line pressure gauge and an adjustable gas pressure regulator. A 20 foot oxygen supply hose is stored in the manifold base unit for easy access. Each manifold outlet has a 15 LPM fixed-orifice adapter (Green) to provide a constant flow of gas through the oxygen supply tubing to the SUREVENT. Each of the two rear outlets have an additional 25 LPM fixed orifice adapter (Yellow) that can be used in place of the 15 LPM adapters for supplying a higher flow rate to larger patients, if necessary. The oxygen manifold unit is removable from the case so that it can be used as a single staging point for multiple patients. Set-up is easily completed by connecting the manifold to a 50 psi gas source, connecting the oxygen supply tubing from each SUREVENT to the appropriate nipple adapters that have been attached to the manifold DISS outlets, and then connecting the SUREVENT to the patient. There is no cleaning or annual calibration required for the individually packaged disposable SUREVENTs.

** Presentation by Craig Lauder, DO at the National Association of EMS Physicians Conference, January 2001.*

SPECIFICATIONS

EXTERIOR DIMENSIONS: 20.7"L x 17.2"W x 8.6"D
(52.6cm x 43.7cm x 20.6cm)

WEIGHT: 20.4 lbs. (9.3kg)

OPERATING ENVIRONMENTAL LIMITS: 0 - 122° F (-18° to 50° C)

STORAGE ENVIRONMENTAL LIMITS: -31° to 140° F (-35° to 60° C)

GAS SOURCE: 50 psi Source for Connection to Manifold

KIT CONTENTS - Model SV 1525:

- (1) Hartwell Medical 7 Outlet Oxygen Manifold Base Unit with Adjustable Regulator and Pressure Gauge.
- (7) 15 LPM Fixed Orifice Nipple Adapters
- (2) 25 LPM Fixed Orifice Nipple Adapters
- (1) 20' Section of Oxygen Hose with DISS Fittings
- (1) Laminated Instruction Placard
- (1) Watertight, Hard Case - Color: Orange



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