

NON-INVASIVE REMOVAL OF BRONCHIAL SECRETIONS

SAFE, SIMPLE & EFFECTIVE. Clinically tested, the non-invasive CoughAssist Mechanical In-Exsufflator (MI-E) from J.H. Emerson Co. safely and effectively clears retained broncho-pulmonary secretions, reducing the risk of respiratory complications. Easy to use, the device avoids airway damage while offering patients greater comfort and quality of life without use an invasive procedure.

EFFICIENT – provides rapid exsufflator and high flows

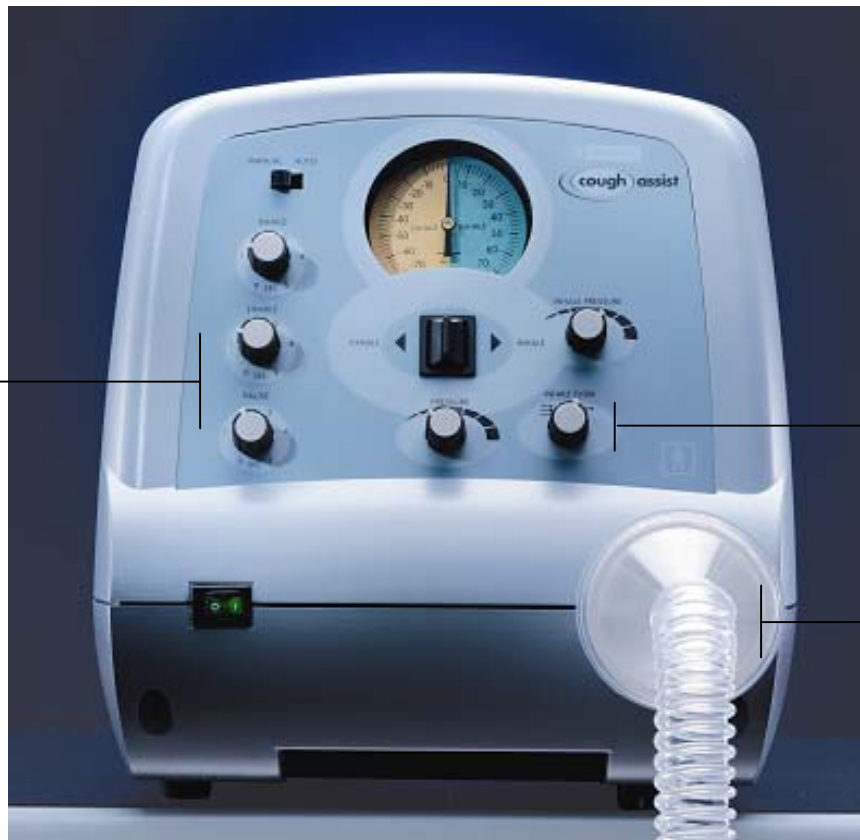
VERSATILE – for use by adult and pediatric patients at home or in a hospital/institutional setting

EFFECTIVE – better at removing bronchial mucous plugs than postural drainage, chest percussion or tracheal suctioning

COMFORTABLE – Provides a deep full breath then a rapid exhale flow, convenient alternative to oral or nasopharygeal suctioning, which is poorly tolerated by most patients



CA-3000, MANUAL MODEL



EASY TO OPERATE

Fully adjustable inhalation/exhalation times

ADJUSTABLE

Inhalation flow setting can be easily changed

ADAPTABLE

Can be used with a facemask, mouthpiece or, with an adapter, to a patient's endotracheal or tracheostomy tube

CA-3000, AUTOMATIC MODEL





COUGHASSIST™ MI-E IMPROVES BREATHING BY REMOVING SECRETIONS

This device has been proven effective for patients with an insufficient ability to cough due to poliomyelitis, muscular dystrophy, myasthenia gravis or other neurological disorder with some paralysis of the respiratory muscles, such as spinal cord injury. It may also be used to treat ineffective cough due to other broncho-pulmonary diseases such as emphysema, cystic fibrosis and bronchiectasis. Using this device enhances or replaces the patient's natural removal of bronchial secretions.

CoughAssist MI-E simulates a cough using "mechanical insufflation-exsufflation." This is achieved by gradually applying a positive pressure to the airway, then rapidly shifting to a negative pressure, producing a high expiratory flow from the lungs.

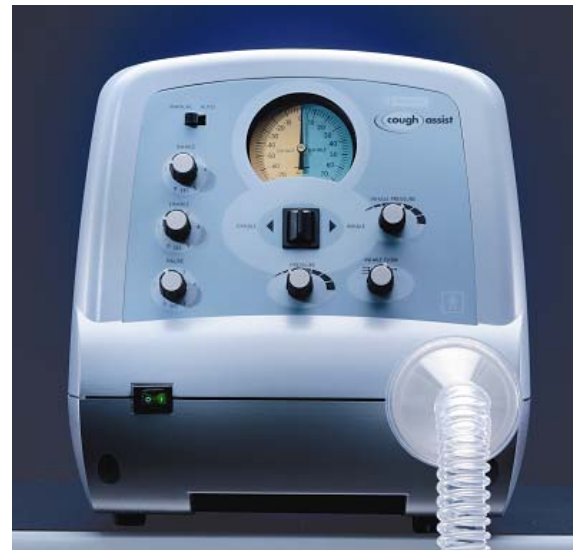
SPECIFICATIONS

Standards	Conforms to UL STD 260-1, certified to CAN/CSA STD C22.2 No. 601.1-M90, C E 0413
Maximum Positive Pressure:	60cm H ₂ O (44mm Hg)
Maximum Negative Pressure:	60cm H ₂ O (44mm Hg)
Maximum Inhalation Flow:	3.3 liters/second with inhale flow set to minimum; if set to maximum inhalation, the flow is the same as the exhalation flow.
Maximum Exhalation. Flow-Capacity:	10 liters/second; actual flow depends on maximum pressure and on airway resistance.
Pressure Gauge:	-70 to 0 to +70cm H ₂ O; accuracy +/-2% of full scale
Mode of Operation:	Models CA-3000, CA-3200: Automatic and Manual Timing Models CM-3000, CM-3200: Manual Timing
Inhalation Exhalation and Pause Times:	CA-3000, CA-3200: Automatic mode, 0-5 seconds CM-3000, CM-3200: User variable
Blower Type:	Two stage centrifugal blower with AC/DC universal motor
Input Voltage:	CA-3000, CM-3000: 100-120VAC, 60Hz CA-3200, CM-3200: 220-240VAC, 50Hz
Input Power:	CA-3000, CM-3000: 300VA CA-3200, CM-3200: 600VA
Dimensions:	292mm x 279mm x 419mm (HxWxD) 11.5" x 11 " x 16.5"
Weight:	CA-3000, CA-3200: 11 kg (24 lbs) CM-3000, CM-3200: 9.3 kg (20.6 lbs)
Temperature Specifications:	
Operating temperature range:	+10 to +40°C (+50 to +104°F)
Storage temperature range:	-20 to +50°C (-4 to +122°F)
Humidity Specifications:	
Operating humidity range:	30% to 75%
Storage humidity range:	10% to 90%

ORDERING INFORMATION

Model CA-3000	Automatic and Manual Timing, 110V
Model CM-3000	Manual Timing, 110V
Model CA-3200	Automatic and Manual Timing, 230V
Model CM-3200	Manual Timing, 230V
Model 2-ST	Stand

CAUTION: Federal Law (USA) restricts this device to sale by, or on the order of a physician.



ABOUT THE COMPANY

Founded in 1928, the J.H. Emerson Company is a pioneer in the design and manufacture of respiratory products beginning with the introduction of the Iron Lung during the poliomyelitis epidemic of 1931.

Over the years, the Company has designed innovative and reliable medical products that have ranged from rescue resuscitators and volume ventilators to pleural suction pumps and cough machines.

Today we continue to manufacture medical products that provide effective treatment and enhance the quality of life of those that use them. J.H. Emerson is an ISO 9001 certified company.



Easy to use CoughAssist MI-E can be used by both adults and pediatric patients at home or in a hospital/institutional setting.



J.H. EMERSON CO.
22 Cottage Park Avenue, Cambridge, MA 02140-1691
800-252-1414 or 617-864-1414 • Fax 617-868-0841
www.coughassist.com • email: info@jhemerson.com