

# Pulmonex II® Xenon System

## Double the breathing capacity of other systems

- Resistance-free breathing with 25-liter capacity
- Complete .125" lead shielding in upper cabinet for patient and operator safety
- Easy access to replace Drierite and Soda-Lime cartridges
- Effortless mobility for easy patient positioning
- Stylish steel cabinet
- Convenient built-in stainless steel tray for holding disposables, xenon gun, syringe, etc.

The Pulmonex II® Xenon System is the best choice for the performance of all regional ventilation studies. It's safe, simple to operate and affordable.

### Resistance-Free Breathing

The injected bolus of xenon will reach the patient exactly when desired. Oxygen may be added to the system any time during the study with the press of a button. An in-line cartridge containing Soda-Lime absorbs CO<sub>2</sub>, preventing acidosis. Large breathing passages, two 10-liter breathing bags (air-in and air-out) and motor-assisted airflow combine to provide resistance-free breathing.

### Simple to Operate

All three steps of a Pulmonex II® study (start up, equilibrium imaging and washout) are controlled by a single valve handle on the front panel. The valve directs the motor-assisted flow of gases throughout the system. A manually adjusted 15-minute timer initiates all functions, then automatically shuts down the system to complete the study after patient and system washout. With controls conveniently located on the front panel, the user can operate the system and observe the patient and gamma camera from one position. Panel controls are clearly marked for each mode of the procedure with large viewing windows to make it easy to monitor the patient's breathing. A trim, clean design, large handles and total mobility permit easy positioning of the system for studies in both seated and supine positions.

### Three Simple Performance Positions:

#### Position One:

Start - Patient breathes room air. System is charged with oxygen.

#### Position Two:

Single breath and equilibrium imaging - This is when you add Xe-133, either a bolus or a homogeneous mixture. An in-line cartridge containing Soda-Lime absorbs CO<sub>2</sub> to prevent acidosis. The system is completely closed in this position with no chance of contaminating room air. When the patient equilibrates, the user switches the handle to washout position.

#### Position Three:

Washout - The patient is now breathing room air from a one-way valve through the delivery system and exhaling into the built-in charcoal trap. During washout a pump draws the patient's expired breath through the activated charcoal trap. The xenon is stripped away and only clean air leaves the trap exit port.



### Designed for Safety

Internal systems of the Pulmonex II® are shielded for patient and operator safety. The system features two built-in gas traps that operate with a blower fan. Exhaled xenon is pulled through activated charcoal housed within two .125" lead shielded "U"-shaped traps. The double traps extend the life of your charcoal and provide a lengthy migration path for xenon effluent, allowing greater decay and absorption before exhaustion. A cartridge containing Drierite serves as a moisture absorber for air passing into the trap. The charcoal trap can then more effectively remove xenon effluent after each study. Airflow regulation of the trap pump assures complete patient and system washout. Averaging 30-50 studies per month, the charcoal trap will last approximately one year; charcoal traps are easily replaced.

A disposable bacteriostatic filter, used in conjunction with a disposable mask or mouthpiece, prevents system contamination.

### SPECIFICATIONS:

- Dimensions: 48.5" h x 22" depth x 20.5" w (123.2 x 55.9 x 52.1 cm)
- Motor: UL approved. 115 VAC, 50/60 Hz
- Electrical Requirements: 115 vac, 1 amp or 230 VAC, 0.5 amp, 50/60 Hz
- Shipping Weight: 375 lb (172.5 kg)
- ETL and cETL Listed



Easy access to soda-lime and drierite cartridges, supplied with the system. Xenon Convenience Kits, including pre-filled soda-lime and drierite cartridges for single use only, are also available.

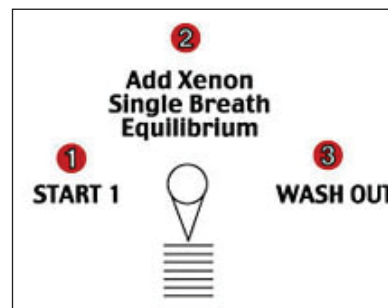


Illustration of Pulmonex II front panel controls



132-503 Xenon System, Pulmonex II® Double-Trap, 115 VAC

### DISTRIBUTED BY:



Medi-Nuclear Corporation  
3162 Martin Rd  
Walled Lake, MI 48390  
www.medinuc.com

1-800-423-4226  
248-926-9500 direct  
248-926-0400 fax  
info@medinuc.com

BIODEX