sys technologies Life Saving Systems

SYS Technologies is an prime Israeli company which offers a variety of unique solutions and breakthrough technologies in the field of clean environment systems.
SYS Technologies has identified the growing needs, in the medical and industrial markets, for efficient, high quality,
yet simple to maintain, transport and operate, clean environment systems.
Thanks to its extensive field-based experience across the globe, SYS Technologies has accrued invaluable expertise in the development of cutting-edge clean
environment solutions for a broad spectrum of settings and necessities.
Expertly leveraging its vast know-how in the domain of positive and negative air pressure technology,
SYS Technologies delivers a premium, multi-purpose assortment of devices, whose common denominator is the creation of contaminants-free environments over within the
target areas.

Iso-T 505 Indoor Isolation system

- Multi-Purpose System: Isolation Environment + Cleanroom.
- Negative and Positive Pressure Technology.
- Fully Automated System.
- Decontamination Lobby; Restroom Unit; Automated Sewage-Disposal system; Automated Waste-Disposal system;
Auto-Chlorination Unit; Climate Control System; “Panic” Mode;
- Indoor Usage Only.

The RAMBAM Health Care Medical Center, a world renown, leading academic medical center, has already successfully adopted and integrated the Iso-T 505 system into its emergency preparedness protocols.
The adoption of the SoS 505 system for Rambam Medical Center has transformed the hospital as the Ministry of Health of Israel's official and exclusive high infectious disease care site.

New York Microscope Company
Microscope Experts since 1979
100 Lauman Lane, Suite A, Hicksville, NY 11801
Tel: (516) 236-2911 | Fax: (516) 801-2046
Email: Ossnat@nyscopes.com
www.microscopeinternational.com

IsoT 505

Iso-T 505 (™) system uses unique negative pressure technologies and HEPA filtering equipment to ensure that the entire system's inner space in constantly kept isolated from the surrounding and at the same time the surrounding is constantly kept isolated from the system's inner space.
Each Iso-T 505 (™) system includes:
Isolated entrance hall for preliminary deployment and preparation (so medical personal and other staff can enter\exit the Iso-T 505 (™) system safely without exposing themselves and without tampering the Isolation condition with in the System.
6 isolation room (5x5 meters each) – each can contain up to two patients simultaneously under full isolation conditions.
Climate Control system with HEPA technologies – enables the Iso-T 505 (™) system's operators to fully control and monitor the System's inner environment and at the same time preventing polluted air or particles from entering the Iso-T 505 (™) system.
Waste and Sewage Disposal system – enables safe and isolated disposal of discharges from within the Iso-T 505 (™) system.
Negative pressure blowers (H14 99,999 filtration efficiency) – enables complete filtered exchange of the entire air volume within the Iso-T 505 (™) system 40 times per hour.
Room hospitalisation sets.

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IsoT 505™

IsoT 505™ system from SYS Technologies provides clean, isolated environment for airborne contagious diseases such as tuberculosis, measles, ebola, chickenpox, ext.

IsoT 505™ system uses both negative and positive air pressure technologies to provide effective, versatile and simple solution for creating a clean treatment and isolation environment - anywhere, anytime, by anyone.

IsoT 505™ system is a high quality, mobile, fast deployed isolation unit, especially designed and developed, using extensive field experience, in order to provide optimal solution for the medical teams out there.

Per your request, we hereby specify the IsoT 505™ system specifications and prices:

Specifications:

1. Construction, Roofing and built-in equipment -

1.1. Aluminum frame with a high torque inertia for higher resistance to and HD modular connectors.

1.2. Total system area - about 40 square meters.

1.3. Shell and roofing - hardened polymer.

1.4. Double sleeve in the treatment room to enable X-ray cassette out into the system, without contact with the interior space.

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1.5. Dual racks set for medical gases.

1.6. Set of rulers with sealed connectors for insertion of electricity, communication and medical gases pipelines.

1.7. Modular stripes units for medical systems transfer.

1.8. One way trash sleeve (dispenser) in the antechamber for safe evacuation of contaminated items from within the system.

1.9. Pactosafe unit for safe evacuation and disposal of contaminated items from within the system.

1.10. Safety mirror (50 * 160 cm) in the antechamber.

1.11. Four built-frames for posters/handouts quick replacement.

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1.12. Medical monitor rack.

1.13. Clock rack.

2. Entryway -

2.1. Double doors.

2.2. Opening door warning system.

3. Negative Pressure Filtration System -

3.1. Triple filtration system using negative air pressure technology with HEPA filters.

3.2. 99.999% filtration efficiency of 0.3 microns particle.

3.3. Up to 70 exchanges per hour for the entire air within the IsoT 505™ system.

4. The climate control system with filtration unit -

4.1. HD mobile climate control system (heating/cooling) with temperature controllers, controlled by remote control.

4.2. Integrated HEPA filters system for quick replacement. Up to 400 working hours.

5. Built-in rigid sanitation unit -

5.1. Built-in sanitation unit within the IsoT 505™ system interior, which includes separated shower, sink and toilet.

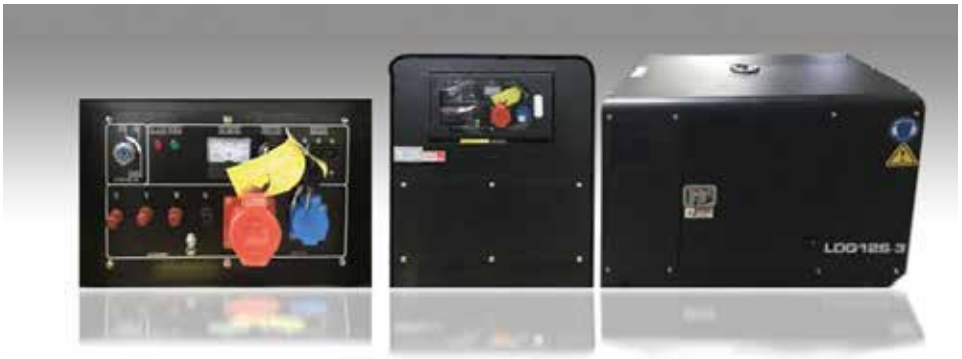
5.2. The sanitation unit made of extruded aluminum profiles and hardened polymer material.

5.3. A mapping shower including sealed doors and drainage.

5.4. Additional water drainage unit with one-way valve.
5.5. Guard rail for toilet.
5.6. Safety mirror over the sink.
5.7. Two clothes/towels racks.
5.8. Shower soap dispenser.
5.9. One way trash sleeve (dispenser) for safe evacuation of contaminated items from within the system.
5.10. Sealed transparent entrance door.
5.11. Toilet paper rack.

6. Generator unit -

6.1 Diesel generator
Which includes an integrated digital panel system ATS system that automatically backups when there is no power.
Suitable for backup to homes, businesses, institutions, and any place that requires immediate power.
6.3 Frequency: 50 Hz
6.4 Clean power: 12,500 watts
Maximum power: 14,000 watts
6.5 ELECTRICAL STARTING SYSTEM + DIGITAL PANEL
6.6 Fuel tank size: 60 liters
6.7 Weight: 295 kg
6.8 Dimensions: 1160X675X945
6.9 Noise from 7 meters: 69 decibels 18 amperes
6.10 Fuel consumption per hour at full load: 4.8 liters



7. Chlorination system and automatic / computerized fluid removal

7.1 The chlorination system automatically directs liquids and solids to sewage

7.2 A digital controller to control chlorine concentration

7.3 Storage tanks including mixing unit

7.4 toilet discharge and grey wastewate

8. Water supply system

8.1 Container 1000 liters

8.2 Average per person for 7 days

8.3 Flow pumps

8.4 Synchronization pumps

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9. Isolation stretcher

9.1 Full air circulation within the chamber, by means of a carbon filter and blower, enables patients to remain inside long enough for a full diagnosis and initial treatment, whilst eliminating any expulsion of contaminated air to the outside

9.2 Rechargeable batteries allow full mobility of the units for up to 10 hours of continuous operation

9.3 A fully transparent chamber, fitted with conduit sleeves to allow diagnosis and medical treatment. Also fitted are facilities for connecting monitoring equipment cables, ventilation tubes or intravenous drips

9.4 The units can accommodate patients of all ages, whether conscious, unconscious, or on ventilation

9.5 Isolation chambers allow full operation of the stretcher or pediatric bed – including height adjustment, back-rest adjustment and trendelenburg function for CPR administration