

# F-INPIC SERIES ISO-CHAMBER

## PERSONAL NEGATIVE PRESSURE ISOLATION & TRANSPORTATION UNIT

The ISO-CHAMBER provides the solution to the problem of safely transporting victims from a radiological, biological (EBOLA, Avian Flu, Hepatitis, TB, Anthrax, SARS) or chemical incident to a more advanced medical treatment facility.

A contaminated patient can be quickly placed into the chamber and moved without fear of contamination to the surrounding environment, keeping transport vehicles and treatment areas free of contamination.

Designed to create a negative air flow when connected to the HEPA Air Filter System. The 4 filters are positioned on the outside of the chamber, 3 at the patients head and 1 at the patients foot. Two filters are positioned at the patients foot inside the chamber and the blower is attached to these filters, creating a negative air flow through the ISO-CHAMBER giving you 22 air exchanges per hour.

The ISO-CHAMBER eliminates cross contamination and protects health care providers. The flow of air provided by the filtration system (6 cfm) also helps cool and relax the patient.

There are twelve (12) 4 inch wide re-sealable access ports, (red lids) to allow the passage of oxygen and intravenous tubes from outside the chamber to the patient. Gloves can be attached to all ports, IV ports or puncture membranes are also available. Re-sealable access ports give the care giver greater flexibility in patient care.



- ◆ **Completely Reusable**
- ◆ **360° patient visibility**
- ◆ **The patient can sit up Inside**
- ◆ **Patient can be carried inside unit via supplied and built in carry straps**
- ◆ **Patient can be placed on any available stretcher and carried Inside the Chamber**



### FEATURES:

- ◆ The ISO-CHAMBER is constructed from a clear, heavy FR vinyl material, giving you full visual access to the patient.
- ◆ Zipper allows the chamber to be fully opened from head to foot.
- ◆ Seven plastic arches along the length support the vinyl above the patient.
- ◆ The ISO-CHAMBER swings open allowing easy patient insertion or removal from the chamber.
- ◆ A 2" wide belt system with four hand grips on each side enable the patient to be lifted while in the chamber or the chamber is securely fastened to a stretcher or bed.
- ◆ ISO-CHAMBER can be used by fire departments, ambulances, hospitals, military and Haz-Mat teams.
- ◆ All chambers are shipped in a red carry case.
- ◆ All Negative Filtration Systems come with a red carry case.
- ◆ The ISO-CHAMBER use a standard 40mm NATO filter.
- ◆ The ISO-CHAMBER includes a 'D' cell battery powered PAPR.
- ◆ Can be ordered with standard HEPA or CBRN filters.

Internal patient restraint system (F-INTREST) to protect and transport a patient, available for an additional charge.



**FSI** NORTH AMERICA®  
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**FSI F-INPIC family of ISO Chambers**

The FSI family of isolation chambers is offered either HEPA or CBRN filtered, in adult, pediatric, and bariatric configurations.

**CHAMBER**

- of heavy duty 20 mil clear 16 oz 'geomembrane' vinyl; tensile strength 2900-3500; elongation 207-310 %; cold crack - 20 degrees C; fire retardant to ASTM D882, CPAI84 Section 6; NFPA701. If used and/or stored indoors at normal room temperatures a 10- year clear PVC shelf life is offered.
- the only ISO Chamber with full 360-degree patient visibility
- the only ISO Chamber where the patient inside may sit up to 45 degrees +
- patient may be carried/transferred to any available and assigned bed/cot while inside unit using the 8 integral 2" wide built in carry straps. This negates the need for and added cost of establishing dedicated isolation corridors/elevators as outlined in CDC protocols.
- full length zipper for complete opening/closing allows ease of patient placement and removal.
- standard 40 mm NATO filters and 'D' cell battery (6 hours continuous use) powered PAPR for ease of replacement parts availability worldwide
- 7 heavy duty plastic arches (tines) along the length of the chamber provide structural chamber strength
- 12 red plastic, mil spec., sealable, screw on/off 4" diameter access ports allow the most patient access on the market. O2 and IV ports, puncture membranes and gloves all available as optional accessories for any/all of these 12 ports.
- F-INPIC-4/F-INPIC-5A dimensions approx 77" L X 28"W X 19" H; F-INPIC-PED approx 45" L X 25"W X 19" H; F-INPIC-9BAR 77" L X 36" W X 30" H approx.
- Chamber ships in red color carry bag. F-INPIC-4/F-INPIC-5A approx. 30 lbs; approx. 20" L X 27" W X 8" H; F-INPIC-PED approx. 20" L X 20" W X 8" H; F-INPIC-9BAR approx. 30" L X 37" W X 19" H

**PAPR**

- The ILC Dover PAPR used as the critical respirator component of the F-INPIC series of Iso Chambers meets the rigorous NIOSH third party test certification standards Approval #'s TC-21C0848/23C-2537. Such standards thus meet and exceed EN12942:1998/EN529:2005/EN12941:1998/EN143:2000/A1:2006. Further the Chamber itself meets and exceeds EN ISO 14971:2009/EN 1041:2009
- Designed to create a negative air flow when connected to HEPA or CBRN air filter system. Filters ensure clean air for the patient inside the chamber, and again filters clean the air being expelled from the unit thus protecting first responders and equipment.
- 4 filters placed outside chamber - 3 by patient head and 1 at the feet. Two filters are positioned inside at the feet and the PAPR blower is attached to these filters. This creates a negative air flow offering up to 22 air exchanges per hour - well in excess of the CDC 12 required air exchanges per hour and 0.01 inches of water column of negative pressure.
- PAPR in a separate small carry bag; approx. 10 lbs; approx. 18" X 14" X 10"

**GLOVES (F-INPIC-GP/F-INPIC-GP2)**

5 Mil Butyl gloves - In use by US Military for 20 years +; mil spec. 43976 and 1223

ISO9001:2008

ASTM D 6978; ASTM D 412

universal sized to fit both left and right hands

Fentanyl permeation tested

**Disinfection/Decontamination after use:**

Use a non-abrasive cleaner already in use for the cleaning of Plastics and PVC per established protocol. The Isolation chamber may also be disinfected with a gentle application/wipe down of isopropyl alcohol (> 70 percent). Do not return to service or place in storage while wet.