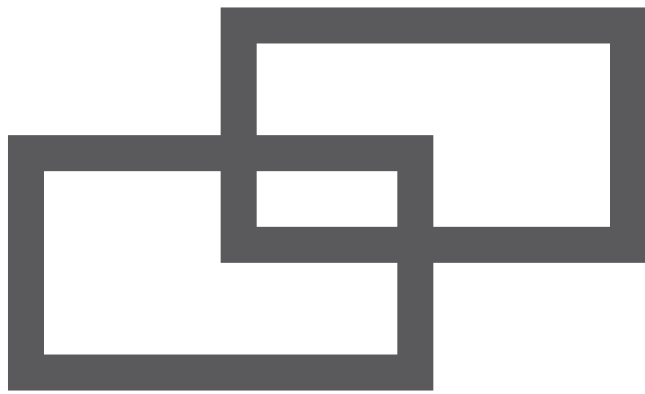


CASALUCI /  
THE FUTURE IN HEALTHCARE DESIGN

HEALTHSHELTER





# **HEALTHSHELTER /** MODULE FOR EMERGENCIES

# **HEALTHSHELTER /**

## **MODULE FOR EMERGENCIES**

**EASY**  
**READY FOR USE**  
**MODULAR**

# HEALTHSHELTER / MODULE FOR EMERGENCIES

HEALTHSHELTER is the answer, from **Casaluci Healthcare**, to promptly face medical emergencies. A module designed complying to the highest medical standards, very easy and fast to install, ready for use since it is provided of integrated electrical, gases and air treatment systems.

In a serious medical emergency, when there is no time to build new wards or hospitals, HEALTHSHELTER is completely independent, yet is able to immediately work in synergy with the existent hospital.

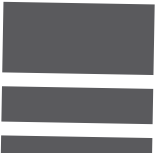
HEALTHSHELTER by **Casaluci Healthcare** is also fast to dismantle at the end of the emergency, and to stock in dedicated areas, ready for a future use.

EXTERNAL  
STRUCTURE IN  
CORTEN STEEL



CONTROL WINDOW

HERMETIC STAINLESS  
STEEL DOORS



# HEALTHSHELTER / MODULE FOR EMERGENCIES

THERMAL INSULATION  
WITH MINERAL WOOL  
SLABS

LIGHT SOURCES ARE  
OF LED TYPE

HERMETIC CEILING  
WITH PAINTED STEEL  
TILES



INTEGRATED  
HORIZONTAL BHU

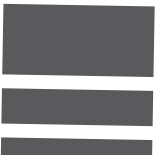
INTEGRATED  
ELECTRICAL, GASES  
AND AIR TREATMENT  
SYSTEMS

MODULAR PANELING IN  
STAINLESS STEEL WITH  
ANTIBACTERIAL COATING

FLOOR IN PVC SOLDERED  
IN ONE SINGLE PIECE  
WITH ROUND SKIRTING  
PERFECTLY CONNECTED  
TO THE WALLS.



AIR MANAGEMENT  
NEGATIVE PRESSURE



# HEALTHSHELTER / MODULE FOR EMERGENCIES

## **Block of 12 intensive care units**

20" container modules

No. 12 – INTENSIVE CARE UNIT

No. 01 – ENTRANCE/TRIAGE MODULE

No. 01 – DRESSING AREA WITH WC

No. 01 – MONITORING AREA

No. 01 – UNDRESSING AREA WITH WC

No. 01 – STORE/DISPOSAL MODULE

No. 01 – EXIT MODULE

No. 04 – CORRIDOR

## **Additional modules upon request:**

- DECOMPRESSION UNIT FOR OXYGEN AND AIR, AND ENDOCAVITARY ASPIRATION UNIT
- UPS GENERAL ELECTRICAL PANEL
- ENGINE-GENERATOR
- WATER MANAGEMENT UNIT WITH CLEAN WATER AND WASTE STORAGE TANKS



EASY  
IMPLEMENTATION  
- MULTIPLE  
CONFIGURATIONS



# HEALTHSHELTER / MODULE FOR EMERGENCIES

## INTENSIVE CARE UNIT MODULE – MAIN SPECS

<b>EXTERNAL STRUCTURE</b>	CORTEN STEEL – resistance and durability
<b>INTERIOR WALLS</b>	Modular paneling in stainless steel with ANTIBACTERIAL coating
<b>CEILING</b>	HERMETIC ceiling with painted steel tiles
<b>THERMAL INSULATION</b>	All the surfaces are insulated with mineral wool slabs
<b>FLOOR</b>	Internal floor made in homogeneous PVC soldered in one single piece with round skirting perfectly connected to the walls
<b>CONTROL WINDOW</b>	Integrated window for patient monitoring from the outside – reduced accesses to the module, reduced risk of contamination
<b>BED HEAD UNIT</b>	Horizontal bed head unit, integrated in the thickness of the wall, doesn't invade the patient zone not it interferes with the emergency operations
<b>LIGHTING</b>	All light sources are of LED type. There are lights for every need: examination, night orientation, emergency, ambient, external light
<b>ELECTRICAL EQUIPMENT IN THE INTERIOR OF THE MODULE</b>	Inside the module, additional electrical terminations are provided, all perfectly integrated in the thickness of the wall
<b>ELECTRIC PANEL</b>	<p>Electric panel with two main lines: privileged and safe. The panel includes a bypass commutator that allows to power the module in different ways:</p> <ul style="list-style-type: none"><li>- Single supply from privileged line</li><li>- Single supply from form safe line</li><li>- Double supply from both, privileged and safe line</li></ul> <p>All the lines are protected by class A differential circuit breakers. The system complies to the electrical requirements for medical buildings in GROUP 1</p>





# HEALTHSHELTER / MODULE FOR EMERGENCIES

## **AIR TREATMENT AND CONDITIONING**

-

## **TOUCH SCREEN CONTROL PANEL**

In each module is implemented an independent air treatment system, that guarantees:

- 12 minimum air changes per hour
- Negative pressure inside the module (-30Pa)
- Absolute HEPA 14 filters installed

It is controlled by a touch screen control panel, EASY AND INTUITIVE TO USE, that implements the functions of temperature adjustment, ambient pressure monitoring and display of system alarms.

An additional control panel, accessible from the compartment outside the module, allows any maintenance or adjustment operation to be performed without accessing the patient area

## **MEDICAL GASES SINGLE MODULE**

Each module is provided with a panel of pressure reduction, independent for AIR – VACUUM – OXYGEN, with shut-off valves in entrance and exit.

THE SYSTEM IS READY FOR USE

Two units for the alarms signalization are included (clinical and emergency) one inside the module and one outside

## **SPECIAL SYSTEMS DATA ETHERNET NETWORK AND CCTV**

Each module comes with a preinstalled data network system with one single access point from the outside (on the door side), that allows an easy and fast connection to any control room.

In each module is installed an IP camera to monitor the patient

## **NURSE CALL SYSTEM**

Each module comes with a preinstalled nurse call system.

Integrated in the handset is also the examination light switch.

Wall mounted control panel with functions of call, priority call, display and cancellation of the calls.

On the external wall of the module, in proximity of the door, is installed a lamp for the call signalization.

## **REFERENCE STANDARDS AND CERTIFICATIONS**

### **CONTAINER**

CSC SAFETY APPROVAL - **ISO 1496-1**

### **MEDICAL GAS SYSTEM**

CE MARKED SYSTEM - **Directive 93/42/CEE e S.M.I.**

### **ELECTRICAL SYSTEM**

LOCAL ELECTRICAL INSTALLATIONS FOR MEDICAL USE OF TYPE ONE - **CEI 64-8/7-710**

### **AIR TREATMENT SYSTEM**

CLEANROOMS AND ASSOCIATED CONTROLLED ENVIRONMENTS - **UNI EN ISO 14644-1:2016**

### **EQUIPMENT**

MEDICAL DEVICES - **Directive 93/42/CEE e S.M.I.**



THANK YOU /



Made in Italy  
With love



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