Due to natural disasters caused by climate change, earthquakes, epidemics and wars, billions of people around the world cannot access the most basic health services. As Canovate, we manufacture Modular Container Health Care Units by using our product range, our experience in the field of containers and precise air conditioning solutions and our resources we have, in order to provide the most economical access to the people in need in the problematic areas.

Our Container Health Unit solutions can be turned into negative or positive pressure units if desired, and can be transformed into an operation room, intensive care unit, patient care room and isolation room with a single unit. All air conditioning, automation and technical infrastructure are suitable to work with these 4 different options.

**Modular Intensive Care and Emergency Medical Response System**

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Our Container Health Unit solutions can be turned into negative or positive pressure units if desired, and can be transformed into an operation room, intensive care unit, patient care room and isolation room with a single unit. All air conditioning, automation and technical infrastructure are suitable to work with these 4 different options.

- Your requests are designed and manufactured in a short time by Canovate, and delivered to the domestic or national locations you want.
- Our containers are prepared in accordance with all climatic conditions.
- Our modular units can be covered with armor as an option.
- Our container units have standard electrical and mechanical infrastructure; special equipment and requirements are available as optional.
- If it is needed, the capacity can be increased by adding modular units to the established system. Also the number of beds in each unit can be increased.
- Our units can be easily moved wherever you need through their modular structure.
- Our Container Health Unit solutions can be quickly transferred and installed into locations needed in emergencies. After the crisis situation is over, it can be easily disassembled and delivered to another place where it is needed and can be reinstalled.
Canovate Modular Health Complex Solutions

- Mobile Intensive Care Unit (MOBILE LIFE BOX)
- Patient in the Emergency Room
- Infection Control
- Sterilized Material
- Pharmacy
- Operating Rooms
- Intensive Care Unit
- Emergency Room
- Radiology

Services in the same building
Easily Accessible Services
Intensive Care Unit
- Compliant to international standards,
- In case of need it can be converted into
  * Isolation rooms,
  * Operating Rooms,
  * Patient care rooms
  * Examination Room
- Each room can be converted into negative or positive pressure units,
- Ergonomic design,
- Hygiene area for doctors,
- Sink in accordance with health standards,
- Precise air conditioning,
- Can be managed from a single center,
- Maximum hygiene standards,
- Easy to carry and can be upgraded modularly.

Features of Interior Coating in Rooms in Intensive Care Units
- Compliant to international standards,
- Easy to clean,
- Antibacterial surfaces,
- Wide color options,
- Class O-F60 fire resistance,
- 80% Rh resistance to humidity,
- High resistance to abrasive cleaning chemicals,
- Suitable for steam sterilization,
- Oval corners suitable for detailed cleaning,
- Junction points of the panel are joint-free,
- It is thermally stable,
- It is non-toxic and does not contain cancerogenic substances

STANDARD SPECIFICATIONS OF CONTAINER

<table>
<thead>
<tr>
<th></th>
<th>45' CONTAINER</th>
<th>40' CONTAINER</th>
<th>20' CONTAINER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>2350 mm</td>
<td>2350 mm</td>
<td>2350 mm</td>
</tr>
<tr>
<td>Length</td>
<td>13500 mm</td>
<td>11980 mm</td>
<td>5900 mm</td>
</tr>
<tr>
<td>Height</td>
<td>2700 mm</td>
<td>2700 mm</td>
<td>2370 mm</td>
</tr>
<tr>
<td>Volume</td>
<td>86 m³</td>
<td>76 m³</td>
<td>33 m³</td>
</tr>
<tr>
<td>Empty Weight</td>
<td>4590 kg</td>
<td>3970 kg</td>
<td>2300 kg</td>
</tr>
<tr>
<td>Loading Capacity</td>
<td>27900 kg</td>
<td>26780 kg</td>
<td>21170 kg</td>
</tr>
</tbody>
</table>

|                |                  | S             | S             | S             |
|----------------|------------------|---------------|---------------|
| Automatic Opening Door | S              | S             | S             |
| Window         | S                | S             | S             |

SPECIFICATIONS OF INTERIOR COATING

<table>
<thead>
<tr>
<th></th>
<th>45' CONTAINER</th>
<th>40' CONTAINER</th>
<th>20' CONTAINER</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1 Class Wall Coating GRP</td>
<td>40 mm thickness, 40 density, 2 mm hygienic silver ion glass reinforced polyester coating on XPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E1 Class Ceiling Coating GRP</td>
<td>20 mm thickness, 40 density, 2 mm hygienic silver ion glass reinforced polyester coating on XPS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floor Coating Epoxy Coating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1 Class Wall Coating GRP</td>
<td>40 mm thickness, 40 density, 2 mm hygienic silver ion glass reinforced polyester coating on polyurethane sheet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1 Class Ceiling Coating GRP</td>
<td>20 mm thickness, 40 density, 2 mm hygienic silver ion glass reinforced polyester coating on polyurethane sheet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floor Coating Epoxy Coating</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Air Conditioning Systems of Intensive Care Unit

- Compliant to international standards,
- Precise air conditioning automation,
- Standard humidifier,
- Silent,
- Frequency converter fan,
- Hepa filter,
- Negative and positive pressure adjustment with automation,
- Easy to clean compact structure,
- Sealing Flap,
- Sealing property up to 2500 Pa pressure,
- Pre-filtering,
- Pre-heating,
- Antibacterial coil coating,
- Suitable for WAN access,
- Adaptable design for every climatic conditions.

<table>
<thead>
<tr>
<th>SPECIFICATIONS OF AIR CONDITIONING SYSTEM</th>
<th>45° CONTAINER</th>
<th>40° CONTAINER</th>
<th>20° CONTAINER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hygienic Air Conditioning Unit</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Volume</td>
<td>750 m³/hr</td>
<td>750 m³/hr</td>
<td>750 m³/hr</td>
</tr>
<tr>
<td>Pressure</td>
<td>400-600 Pa</td>
<td>400-600 Pa</td>
<td>400-600 Pa</td>
</tr>
<tr>
<td>Filter</td>
<td>G4 - HEPA</td>
<td>G4 - HEPA</td>
<td>G4 - HEPA</td>
</tr>
<tr>
<td>Cooling Capacity</td>
<td>14.47 kW</td>
<td>14.47 kW</td>
<td>14.47 kW</td>
</tr>
<tr>
<td>Heating Capacity</td>
<td>17.36 kW</td>
<td>17.36 kW</td>
<td>17.36 kW</td>
</tr>
<tr>
<td><strong>Air Conditioning Pipe</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stainless Pipe</td>
<td>0.6-0.8 mm</td>
<td>0.6-0.8 mm</td>
<td>0.6-0.8 mm</td>
</tr>
<tr>
<td>Linear Ventilation Grille</td>
<td>150x100 - 300x150 - 1500x100 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Louver</td>
<td>350x350 - 650x650 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Exhaust Aspirator</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Volume</td>
<td>750 m³/hr</td>
<td>750 m³/hr</td>
<td>750 m³/hr</td>
</tr>
<tr>
<td>Pressure</td>
<td>600 Pa</td>
<td>600 Pa</td>
<td>600 Pa</td>
</tr>
<tr>
<td><strong>HVAC Automation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro Processor</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Electric Heater Control</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>MCC and DDC panel</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Humidity and temperature sensor control</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Exterior temperature control</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Differential-pressure sensor</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Differential-pressure switch</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Damper motor on-off</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Ventilator and aspirator fan control</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>
Patient Intensive Care Unit and Medical Gas System

- Compliant to international standards,
- DIN standards,
- EN 13485 standards,
- Systems are designed as field type and suitable for heavy duty.
- All medical gas installations comply with HTM01, HTM02 and TS-EN13485 standards.
- CE, UTS, UBB certificates.
- Gas outlets can be selected according to DIN norms, BS norms and AF norms in line with the standards of devices to be used in medical gas installations.

<table>
<thead>
<tr>
<th>INTENSIVE CARE UNIT AND MEDICAL GAS SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Central Gas System</strong></td>
</tr>
<tr>
<td>Oxygen System</td>
</tr>
<tr>
<td>Air System</td>
</tr>
<tr>
<td>Nitrogen System</td>
</tr>
<tr>
<td>Vacuum System</td>
</tr>
<tr>
<td>Anesthesia Pendant</td>
</tr>
<tr>
<td>Surgical Pendant</td>
</tr>
<tr>
<td>Double Armed Intensive Care Pendants</td>
</tr>
</tbody>
</table>
Energy and Infrastructure Features of Intensive Care Units

- Intensive care units are suitable for working with external power supplies.
- 230-380 Volt options are available.
- Stand alone UPS with 12V/9A battery.
- UPS full unit 15 minutes power back-up time.
- UPS at 50% load, 41 minutes power back-up time.

Automation in Intensive Care Unit

Room Management Screen
Controllable Lighting System
Nurse Call System
Patient Tracking System with Camera

<table>
<thead>
<tr>
<th>SPECIFICATIONS OF ENERGY AND INFRASTRUCTURE</th>
<th>45' CONTAINER</th>
<th>40' CONTAINER</th>
<th>20' CONTAINER</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPS 6 kWA</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>GENERATOR 10 kWA</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>POWER LINE (220-380 V)</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
</tbody>
</table>
Automation System

- Easy to use
- System integration
- Display of patient room data
- Display of patient data
- View temperature and humidity status
- Display weather of the room
- Setting user level
- Touch screen
- Face recognition system
- Login with RFID card reader

Managable Ventilator in Intensive Care Units

- Suitable for adult patient use
- Large and ergonomic screen
- Touch and membrane keys
- Easy to use
- Advanced monitoring data
- Low operating costs
- Turkish language support
- Sterilizable heated bacteria filter
- Advanced mode options according to the patient type
- Independent lung ventilation
- Built-in Nebulizer
- Graphical and numerical trend feature

AUTOMATION

<table>
<thead>
<tr>
<th></th>
<th>45' CONTAINER</th>
<th>40' CONTAINER</th>
<th>20' CONTAINER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABINET AUTOMATION</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Room Pressure Indicator</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Water Level Indicator</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Nitrogen, Oxygen, Air Level Indicator</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Room Temperature Values</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Camera Control</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>AIR CONDITIONING AUTOMATION</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Display of Temperature Set Values</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Display of Humidity Values</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Filter Pollution Indicator</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>LIGHTING AUTOMATION</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>High light quality</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Easy maintenance</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Energy-saving</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Easy install</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>MULTIMEDIA AUTOMATION</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remote on-off</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Support from central system</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Adjustable viewing angle</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Non disturbing sound volume</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

Respiratory Rate : 1-99 bpm
PEP: 0-10 cm H2O
SIMV Rate: 1-20 bpm
Oxygen Concentration: Air compressor with 21-100%
Micro Adjusting Inspiratory Plateau: -10-10 cm H2O
Trigger Accuracy: 1-10L/m
Pressure Limitation: 1.0kPa~6.0kPa
Safe Working Pressure : ≤ 6.0kPa 1.0kPa~6.0kPa
Airway Pressure Alarm: Ü: 0.1~6kPa, A: 0.1~5kPa
Oxygen Concentration Alarm: Ü: 22~%100, A: 21~%80
Inspiratory/Expiratory: 4:1-1:4
In extraordinary situations such as disaster, epidemic or terrorist attack, health containers used for providing emergency medical aid provide quick and easy solutions in any geographical environment and in limited areas. Container installation offers a systematic and hygienic working environment to healthcare personnel in areas where it is difficult to reach the hospital or when there are many patients and injuries in high risk situations.

It has very important advantages in terms of hygiene and air conditioning compared to field hospitals. They are structures that can be used in all climatic conditions. It also maintains its durability and reliability for many years to come.

Usage Areas:

- Disaster areas,
- As additional buildings to the hospitals,
- Epidemic illness regions,
- Military bases,
- In regions where physical infrastructure is insufficient
- Battlefields
- As an emergency and medical center on large construction sites with many workers
- As an emergency and medical center in large events with a large number of visitors
- As an emergency and medical center in sports competitions
- At large factories in Organized Industrial Zones
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UAE Office
Indonesia Office
Argentina Office
Central America Office
Phillipines Office
Greece Office

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