Humanitarian aid must be quick and effective. RUAG’s mobile disinfection system helps to combat hygiene problems and reduce the transmission of infectious diseases. It prevents the spread of pathogens, thereby reducing personnel absences and infrastructure failures in the armed forces as well as in the civilian field.

**Features**
- Disinfection chamber with capacity of 3.2m³ to combat hygiene problems and infectious diseases
- Autonomous deployment system consisting of 3 containers (disinfection, logistics and accessories) and external power generator
- Complies with civilian standards for thermal disinfection and non-invasive and non-critical reusable medical devices

**Key Advantages**
- Easy to transport and deployable in any terrain worldwide
- Quick and easy setup (within a few hours), allows for rapid operational readiness
- Efficient disinfection (up to 15 mattresses in 45 minutes)
- Reduces personnel absences and infrastructure failures
- Fully equipped according to customer requirements (water treatment, steam production, disinfection chamber)
- Great modularity and highly adaptable to various tasks (cleaning of mattresses, pillows, clothes, bed frames, wheelchairs, etc.)
- High quality thanks to Swiss quality standards
- Worldwide service and assistance provided by RUAG specialised technicians

**Potential Uses**
- Armed forces (own infrastructure)
- Asylum and refugee centres
- Retirement and nursing homes
- Civil protection facilities of the municipalities
- In peacebuilding activities or in the event of disasters
# Mobile Medical Systems Disinfection System

## Dimensions & Rating

<table>
<thead>
<tr>
<th>Container type according to ISO 668</th>
<th>DESI Container</th>
<th>Technical Container</th>
<th>Equipment Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>6,058 mm</td>
<td>6,058 mm</td>
<td>6,058 mm</td>
</tr>
<tr>
<td>Width</td>
<td>2,438 mm</td>
<td>2,438 mm</td>
<td>2,438 mm</td>
</tr>
<tr>
<td>Height</td>
<td>2,438 mm</td>
<td>2,591 mm</td>
<td>2,591 mm</td>
</tr>
<tr>
<td>Purpose</td>
<td>For disinfection</td>
<td>For supporting systems</td>
<td>For mobile disinfection equipment</td>
</tr>
<tr>
<td>Max gross weight</td>
<td>9,400 kg</td>
<td>11,000 kg</td>
<td>11,000 kg</td>
</tr>
<tr>
<td>Payload</td>
<td>n/a</td>
<td>6,600 kg</td>
<td>5,600 kg</td>
</tr>
<tr>
<td>Container weight (basic version)</td>
<td>9,400 kg</td>
<td>3,400 kg</td>
<td>4,400 kg</td>
</tr>
</tbody>
</table>

## Operating Conditions & Approvals

### Transportability
- **Ship**: CSC approval (213,360 kg stacking weight)
- **Road**: Truck & trailer transport on road & unpaved, heavy terrain (Mil Std 810)
- **Railway**: UIC 81
- **Air transport**: Mil Std 810 (interior load: up: 3.0 g; down: 4.5 g; side: 1.5 g; axial: 1.5 g)

### Environmental condition
- **Operation**: A1-A3, B1-B3, C0 (AECTP 200/Stanag 2985)
- **Storage**: A1-A3, B1-B3, C0 (AECTP 200/Stanag 2985)
- **Solar radiation**: Up to 1120 W/m² (Diurnal cycle acc. AECTP 200)
- **Topographic operating altitude**: Up to 2,500 m above sea level
- **Electrical safety**: EMI/EMC; LEMP/NEMP/HEMP
- **2014/30/EU; option: Mil Std 461, AECTP 250**
- **Mil Std 155-125 (optional)**

### Air Conditioning System
- **Direct evaporating air conditioner (compact or split unit)**
- **Cooling capacity**: Standard 5 kW
- **Heating capacity**: 5 kW electrical heating
- **Fossil auxiliary heater**: Optional
- **Breathing air supply**: According to Mil Std 1472

### Basic Electrical Equipment
- **External supply voltage**: 230/400 V-AC 50 Hz
- **PDU/Fuse box**: According to functional requirements
- **Lighting/Illumination**: 300 Lux/m²
- **Power sockets**: 230 V-AC integrated into ducts
- **Workplaces**: According to functional requirements