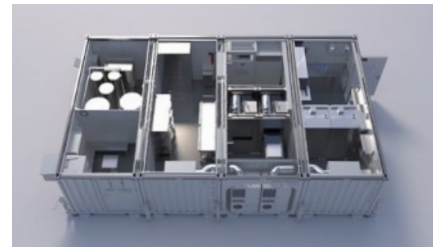


MOBILE MEDICAL SYSTEMS

Sterilization System



➤ RUAG's mobile sterilization system – developed on behalf of armasuisse for the Swiss Armed Forces – ensures the sterility of supplies to medical facilities. Medical instruments are pre-washed, chemically cleaned and packaged in a controlled zone. Viable micro-organisms [e.g. bacteria, viruses, fungi and spores as well as prions] are sterilized at 134 °C in accordance with SN EN 556-1, so that the sterilized and packaged instruments can be stored without difficulty.

➤ FEATURES

- Autonomous deployment system consisting of four containers (cleaning zone, packing zone, sterilization zone, storage/dispensing zone and dressing/technical zone)
- Integrated supply systems (water treatment, compressed air supply, air-conditioning, electrical supply)
- All cleaning and sterilization equipment integrated into the containers
- Wet cleaning with washbasins and two washing machines
- Sterilization chamber containing six sterilization units with a capacity of 54 litres each and throughput of 12 sterilisation units/hour
- Covers the throughput volume of a hospital with 150 beds

➤ KEY ADVANTAGES

- Easy to transport and deployable in any terrain worldwide
- Quick and easy setup (within a few hours) allows for rapid operational readiness
- Function-based division of zones within the building with separate ventilation systems
- Air-conditioned workrooms with air filtration that meets medical standards
- Ensures that medical facilities receive a sterile supply of equipment
- Sterilisation of medical devices and medical equipment
- High quality thanks to Swiss quality standards
- Worldwide service and assistance provided by RUAG specialized technicians

MOBILE MEDICAL SYSTEMS STERILIZATION SYSTEM



➤ DIMENSIONS & RATING

Container type according to ISO 668	Container A Cleaning Zone	Container B Sterilization Zone	Container C Storage/Dispensing Zone	Container D Dressing/Technical Zone
Length	6,058 mm	6,058 mm	6,058 mm	6,058 mm
Width	2,438 mm	2,438 mm	2,438 mm	2,438 mm
Height	2,438 mm	2,438 mm	2,438 mm	2,438 mm
Purpose	Wet cleaning	Sterilization	Packing / Storage	Wardrobe/Technics
Max gross weight	10,000 kg	10,000 kg	10,000 kg	10,000 kg
Payload	6,100 kg	8,000 kg	5,300 kg	6,200 kg
Container weight [basic version]	3,900 kg	3,000 kg	4,700 kg	3,800 kg

➤ 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 2895)
	Storage	A1-A3, B1-B3, C0 (AECTP 200 / STANAG 2895)
	Solar radiation	Up to 1120 W/m ² [Diurnal cycle acc. AECTP 200]
Topographic operating altitude	Up to 2,500 m above sea level	
Electrical safety	EMI / EMC	2014/30/EU; option: Mil Std 461, AECTP 250
	LEMP / NEMP / HEMP	Mil Std 155-125 [optional]

➤ AIR CONDITIONING SYSTEM

Direct evaporating air conditioner [compact or split unit]	
Cooling capacity	3 × 6kW + 2 × 5kW
Heating capacity	3 × 4kW + 2 × 2kW
Fossil auxiliary heater	Optional
Breathing air supply	3 × 200 m ³

➤ BASIC ELECTRICAL EQUIPMENT

External supply voltage	230 / 400 V-AC 50 Hz
PDU / Fuse box	According to functional request
Lighting / Illumination	300 Lux / m ² ceiling integrated
Power sockets	230 V-AC integrated into ducts