

A problem!!!

A danger of biological contamination?

Protection of patients with reduced immunity?

...there is a simple solution!



“AWAS” Medical Pressure Stretcher

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The “AWAS” Medical Pressure Stretcher is designed for carrying infectious or injured persons. Depending on the needs, the equipment can be configured as a negative pressure (vacuum) stretcher, to be used for transportation of infectious persons through an uncontaminated zone, without any risk of contaminating it, or as a positive pressure stretcher, to be used for transportation of persons with a reduced immunity to external factors, without exposing them to the environment. In each of the above mentioned configurations, the stretcher protects the patient and/or environment against biological and chemical factors in the form of dust, droplets and aerosol. A high degree of protection is achieved owing to application of suitable coatings, filters and a fan.

The stretcher can be used repeatedly, provided that it is fully decontaminated and the filter is replaced after each use.



Medical Pressure Stretcher



Integrated gloves

Design of the stretcher makes it possible to watch the patient inside and enables access to the patient by means of integrated gloves. Each stretcher is provided with 2 air-locks which allow the doctor to deliver inside the stretcher instruments (e.g. syringes) or medicines required to rescue the patient, without any risk of contamination.

Additionally, the stretcher has 4 ports to let in drip tubes or an oxygen supply tube. All the air locks and ports are of disposable type.

A special foldable arm is provided for suspending the drip pouch. 2 pockets for air cylinders or other necessary equipment are situated outside the stretcher, on both sides of the patient's “head”. A special pocket for medical documents is provided on the outer case, above the patient's feet.

The inner chamber of the stretcher is closed with a zipper, which, when opened, makes it possible to place the patient comfortably inside. The zipper can be additionally sealed with special self-adhesive tape.

The stretcher is provided with 4 Rd 40x1/7” thread sockets to which the corrugated fan breathing tubes or NBC filters are screwed, as required by the standard CE0426 – STANAG 4155. Normally, the stretchers are configured for the negative pressure version. The ventilation system supplies the patient with breathing air and creates over- or under-pressure inside the stretcher. The differential pressure is generated by the C420 fan, working in conjunction with 2 filters, e.g. A2B2E2K2-P3 or another type. The fan is powered by a long-life (approx. 10h) battery. Additionally, the equipment is supplied with an NiMH rechargeable, 4.5h run-time battery, including the charger. The equipment is very durable and requires no special maintenance. Once a year, the stretcher should be unfolded, the batteries and fan checked for proper functioning, and the storage battery recharged. Its minimum service life is 10 years



Air-locks.



NBC filters

Design of the stretcher enables the patient to be carried manually or by using any kind of transportation device. The positive-pressure AWAS stretcher is fitted with 8 hand-grips, 4 at each side of the stretcher, which makes it possible to carry the patient to the transportation device. However, it is recommended that the pressure stretcher be placed on a standard transport stretcher, e.g. the “board” type.

The equipment is provided with sackcloth belts to strap the patient to the stretcher so as to prevent him from moving inside the stretcher during transportation. The belts, passing through special reinforcements to the outside the stretcher, additionally fasten the patient to the standard manual stretchers or to those included in the outfit of medical rescue ambulances, helicopters or airplanes.



Fan



The carrying case

The set consists of the carrying case, pressure stretcher, C420 fan, NiMH battery, breathing tubes, filter, rechargeable battery with charger, and cover..