



Product Group 1
NBC Defense and
Environmental Protection



1.7.5. mediclean 1000
1.7.6. mediclean 2000



Decontamination and medical attendance of the wounded and the contaminated.

Kärcher mediclean equipment is used for the decontamination of persons who have come in contact with chemical and biological agents or radioactive fall-out. Another area of application consists in the medical treatment of the injured and the wounded.

The new DAE*-method ensures special care during the procedure and the application .
DAE* Direct Application and Extraction

Protection against Aids Infection

Mediclean avoids the spreading of contaminated blood and thus protects physicians and medical assistants; against an Aids infection.

mediclean 1000 and mediclean 2000 were developed for

- decontamination of the wounded
- dressing of wounds
- disinfection
- infection prophylaxis
- epidemic control

application areas

- military medicine
- disaster control
- health authorities
- accident surgery
- civil relief organisations
- doctors on emergency call
- laboratories and chemical industries
- nuclear plants

The new DAE-method

With the new Kärcher DAE method the decont/disinfection emulsion is applied and immediately afterwards removed. This ensures a continual exchange of the decont/disinfection emulsion on the skin. Thus dirt blood-poisoning, contamination particles become loose and are removed from the skin without an additional mechanical operation. Spray pressure and the liquid quantity meet all medical requirements.

Advantages of this procedure

- Time of treatment is reduced
- Higher effectiveness than manual disinfection of the wound
- Reduction of infections
- Increased hygiene during treatment
- Saving of decont/disinfection emulsion

mediclean

sets new standards in the field of personnel decontamination

Personnel

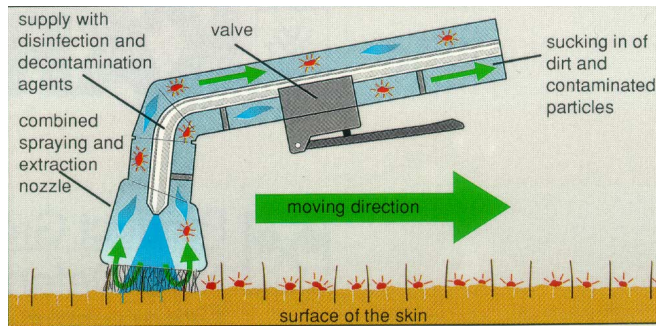
Decontamination

Application of a decont-emulsion with inhibitor for the elimination of the contamination on the skin. RM 21 (NATO Supply No. 6850-12-173-3864) or

RM 54 (NATO Supply No. 6850-12-187-2341)

Wound treatment and disinfection

Application of any disinfection emulsion, pure or diluted. Kärcher RM 35 (NATO Supply No. 6840-12-137-7440), tested by Prof. Dr. Borneff of the J. Gutenberg University in Mainz and by Prof. Dr. med. Schubert of the center of hygiene in Frankfurt) is applied after the removal for neutralisation purposes.



Security during treatment

Prevention of infection by exchanging the brush ring. For each patient a new sterile brush is used. The body nozzle, especially designed to fit the DAE method, avoids uncontrolled dropping of the emulsion. Complete removal - no dropping on the floor. The mediclean equipment meets the standards of medical technology.



Technical description

The technical construction of the mediclean comprises an integral tank for the decont/disinfection emulsion as well as a tank to collect the waste water. This tank can be taken off to ensure an easy disposal of the emulsion.

mediclean 1000

Small compact and portable appliance for immediate application at the place of accident or for ambulance treatment.

mediclean 2000

High-capacity unit with integrated electrical pre-heating of the decont-emulsion. (temperature can be regulated) Spray pressure, water quantity as well as suction capacity is adjustable according to individual needs. Mediclean 2000 is proper for use in emergency cases, hospitals and field hospitals.

Hard test

The mediclean has successfully been tested by the German Armed Forces

Pump and suction nozzles meet the standards of medical technology.

Taking into consideration the human anatomy, the newly developed body nozzle allows an easy application of the decont-emulsion at parts of the body which are otherwise difficult to reach.

There are different nozzles available.

Performance data	mediclean 1000	mediclean 2000
battery content	10 l (2,6 US gal)	32 l (8,4 US gal)
decont-emulsion		integrated/adjustable
Heating/temperature		
application quantity	1,5 l/min constant (0,39 US gal)	1,5-3,0 l/min variable (0,39-0,8 US gal)
system pressure	1,0 bar (14,5 psi)	1,5-3,0 bar, variable (21,7-43,5 psi)
power consumption	800W	2200 W
power supply	220-1-50 V-Ph-Hz	220-1-50-V-Ph-Hz
Dimensions and Weight		
Length	650 mm (26,00 in)	680 mm (27,00 in)
Width	310 mm (12,31 in)	480 mm (19,07 in)
Height	430 mm (17,08 in)	630 mm (25,02 in)
weight	11,5 kg (25,3 lbs)	31 kg (68,3 lbs)
Scope of Delivery		
DAE system hose	2,5 m (8,2 ft)	4,0 m (13,2 ft)
body nozzle complete	2 pieces	2 pieces
special nozzles on request		
Order no. green colour	1.436-080	1.436-081



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Water Purification

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