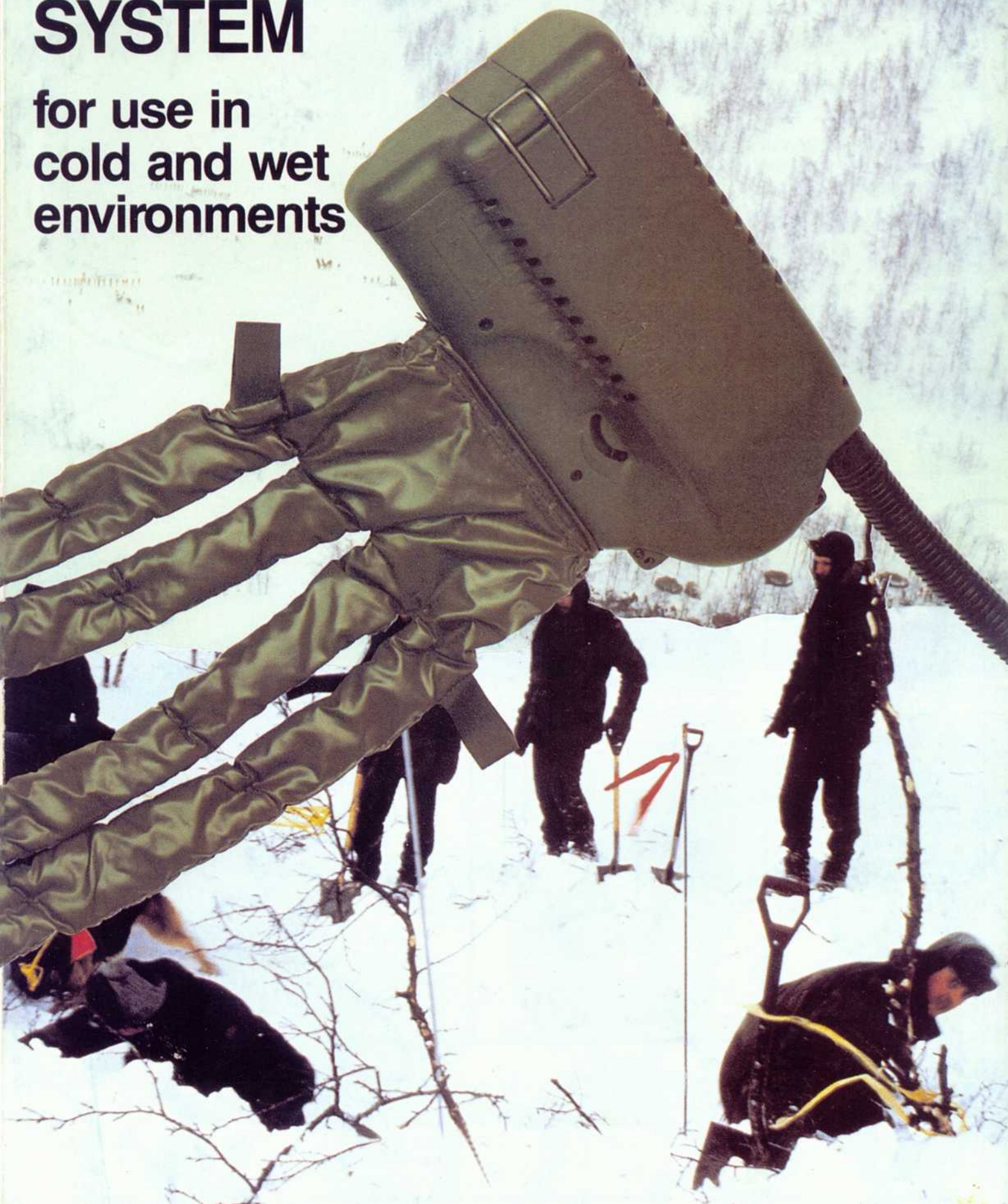


THE HEATPAC™ SYSTEM

for use in
cold and wet
environments



MEDICAL STORAGE CONTAINER

HEATPAC MEDICAL STORAGE CONTAINER to protect coldsensitive medicines. Recirculating warm air from a **PERSONAL HEATER** throughout the inner space of the container. Provides almost constant interior temperatures.

Prevents freezing even in the extreme arctic environments, e.g. keeps inside temperatures at $30^{\circ}\text{C} \pm 10$ ($86\text{ F} \pm 50$) even at -50°C ($\div 58\text{F}$) ambient.

The **MEDICAL STORAGE CONTAINER** can alternatively be connected to 12 or 24 V power supply.

Height: 68 cm
Width: 46 cm
Depth: 37 cm
Weight: 16 Kilograms
Inside volum: 56 litres
Colour: Olive green

Operating time pr fuel element:
at -20°C ($\div 4\text{F}$): 16 Hrs
at -50°C ($\div 48\text{F}$): 8 Hrs



INFUSION SLEEVE

HEATPAC INFUSION SLEEVE is specially developed for intravenous injection at sub-zero temperatures. A standard **PERSONAL HEATER** is being used.

Weight: 500 grams
Length: 130 cm
Colour: Olive green

RESCUE BAG provides protection in wet, cold as well as in extremely cold arctic environments. The **RESCUE BAG** consists of a synthetic fibre fur, is strongly resistant to tearing and has a waterproof layer on the outside.


DESIGN: — Hood and foot muff
— Carrying straps
— Strecher convertible by means of two rods
— Overlapping zig-zag joint for individual accomodation

Weight: 3,5 kilograms
Volume (rolled): 25 litres (Φ : 20 cm, L: 60 cm)
Colours: Olive green or orange



THERMAL OVERBOOTS, for use in cold and wet environments, – insulated, with waterproof uppers for use over regular boots. The overboots is; – totally waterproof, – fits bindings for skis and snowshoes, – provides for chemical protection, – is lightweight and fits into one of the pockets of the back pack.

Weight: 700 grams
Colours: Olive green, marine
Sizes: 37-50




**USED AS A BODY
WARMER FOR SLEEPING
BAGS OR RESCUE BAGS**

The **PERSONAL HEATER** should be placed near feet with the **HEAT DISTRIBUTION TUBE** along body, allowing for recirculating of warm air inside the bag.



**HEAT MATTRESS –
CHAIR PAD**

HEATPAC HEAT MATTRESS and **HEATPAC CHAIR PAD** for use with a **PERSONAL HEATER** for even heat distribution inside/under your sleeping- or rescuebag, in a pulk, sledge, chair, wheel-chair, etc.



Used as a boot dryer

PERSONAL HEATER

A charcoal-fuelled portable hot-air generator.

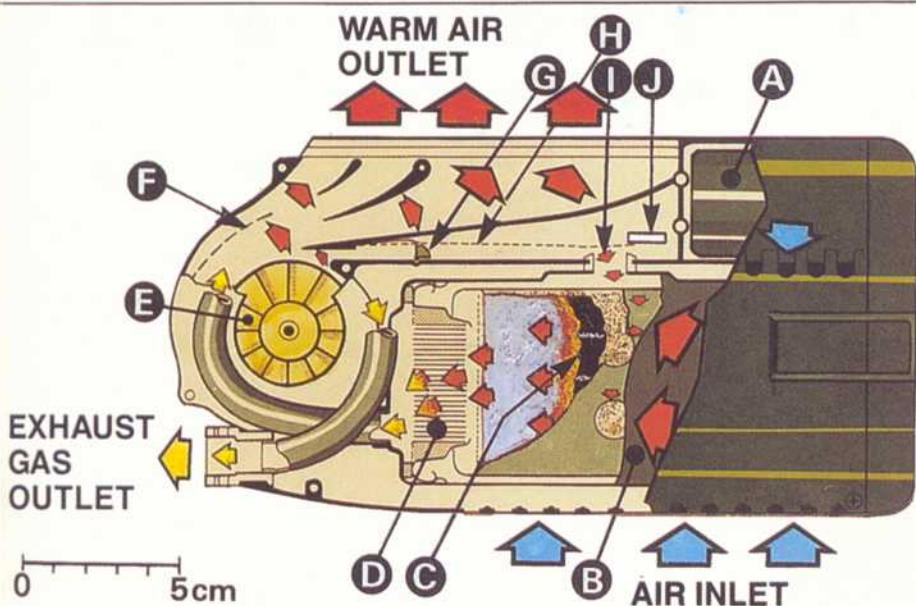
Working principle

A glowing charcoal stick contained in the combustion chamber provides the heat for warming the air stream from the battery powered fan. A small separate fraction of the fans air-flow, is used for controlling the combustion of the charcoal stick by means of a thermostat, thereby obtaining automatic control of the warm air temperature.

The fumes from the glowing charcoal stick is passed over the catalyst and is emitted through the exhaust outlet.

Technical data

Dimensions: L = 23 cm
W = 12 cm
H = 6 cm
Weight: 500 grams
Heat output: 40-250 Watts
Combustion time: 6-20 Hrs
Colour: Olive green



A	1,5 V BATTERY	E	CENTRIFUGAL-FAN	H	BIMETAL COMBUSTION AIR REGULATOR
B	COMBUSTION CHAMBER	F	BIMETAL AIR FLOW REGULATOR	I	COMBUSTION AIR
C	CHARCOAL STICK	G	TEMPERATURE ADJUSTER	J	TEMPERATURE CUT-OFF SWITCH
D	CATALYST				

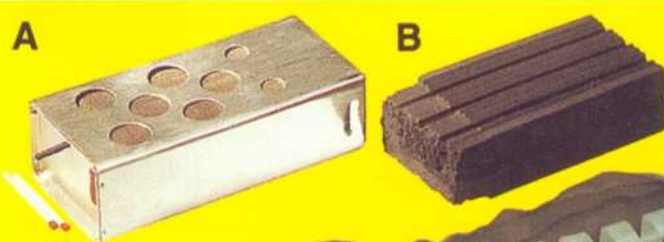
FUEL ALTERNATIVES

A CHARCOAL ELEMENT, encased in a aluminium box with fuse for easy ignition all weather use.

Weight: 160 grams.

B CHARCOAL STICK, low cost fuel element for lighting over a flame is an alternative to the charcoal element. Weight: 120 grams

An optional **COMBUSTION CHAMBER LINER** is required to be used with the charcoal stick.



HEAT DISTRIBUTION TUBE, 4-split flexible tubes, is easily attached to the heater unit by a sliding connector.

Length: 115 cm
Width: 12 cm
Weight: 150 grams
Colour: Olive green

The **HEAT DISTRIBUTION TUBE** consists of an outer airproof fabric and an inner plastic spiral. The tube may be bent and squeezed by body weight without losing its air passage ability, allowing for warm air from the heater to be distributed and recirculated as required.

USED AS A BODY WARMER

The **HEAT DISTRIBUTION TUBE** may be wrapped around the torso, or the 4-split tubes may be placed along each sleeve and pant leg for all over warmth.

THE HEATPAC™ SYSTEM

is initially developed for military use,
but the system has also enormous
potential for other outdoor users,
such as climbers, fishermen, hunters,
skiers, mountaineers etc.

THE HEATPAC™ SYSTEM

is suitable for use in Defence Services,
in civil assistance and rescue organisations.

THE HEATPAC™ SYSTEM

has been assigned with both NATO Classification
Number and US National Stock Number



Normeca

SUPPLIER OF MOBILE HOSPITALS

P.O. BOX 404, 1471 LOERENSKOG - NORWAY
Tel.: +47 67 92 76 00 - Fax: +47 67 97 17 66
E-mail: mobile-hospital@normeca.com