



Bandama Group
Medical Surplus Division

WWW.BANDAMAGROUP.COM



The Bandama Group

We are a business development group based in Sweden and Côte d'Ivoire. Our main focus is trade development between Nordic countries and West Africa.

The Surplus Division

We sell medical surplus equipment from the central stock held by The Swedish National Board of Health and Welfare. All equipment has been regularly maintained and tested during storage and has been approved to be used in Swedish hospitals. We do not sell second hand nor un-serviced surplus equipment! We only sell high quality products from well known producers.

We also provide training for service maintenance teams - both locally and in Sweden. Please do not hesitate contacting us for further information.

Our ambition is to help hospitals and medical centers in emerging countries to access high quality equipment to a low price.

We look forward hearing from you!



Adam Mahjoub Lekorchi

Co-founder & Senior Consultant

Graduate of the Stockholm School of Economics with a Master of Science in entrepreneurship and finance, has worked in investment banking at Morgan Stanley in London and in ICT in Stockholm.



Ben Oumar Ouattara

Co-founder & Senior Consultant

Ben has extensive experience in the transportation and logistics industries in West Africa. Laureate of the AGEFOP-academy in 1998. Diplomat "Steps to Export" from the Swedish Trade Council.



Seydou Sidibe

Sales & Marketing

Transportation and Logistics represent Seydous field of expertise. Presently working with promoting Green solutions on the continent, especially green water treatment solutions.



Martin Jones

Design Strategy & Communication

Graduate of Konstfack - University College of Arts, Craft & Design with a Master in Experience Design from the Department of Interdisciplinary Studies. Priorly extensive experience in the wine trade.



Surplus material, not second hand material!

Due to the nature of the trade in surplus material we do not guarantee any product to be held in stock at any particular time.

The goods are sold without any responsibility or guarantee for either Bandama Group or The Swedish National Board of Health and Welfare.

Cash payment/Irrevocable and confirmed Letter of Credit approved by the Bandama Group.

Prices are excluded of shipping and insurance.

**Please, do not hesitate contacting us for
further information!**

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AUTOCLAVE GET GE-406

Manufacture typ	Getinge GE-406
Manufacture	Getinge
Made in	Sweden
Part number.	81136000
Production year	1982
Comment´s	Needs a connection to water pipe and outflow.





Content List AUTOCLAVE WEBECO

<u>Pairt number</u>	<u>Description</u>	<u>Qty</u>
	Contents list	1
Edition 1 1982	Instruction manual for Autoclave GE-406	1
	Test certificate from the government inspection unit	1
	<u>Autoclave Getinge GE-406</u>	1
	Upper grating	1
	Lower grating	1
460 40 21-48	Graph paper pack of 100 pcs	1
470 26 96 -01	Tools for disassembling pumps	1

Technical Data AUTOCLAVE WEBECO

Width cabinet type	750 mm	Steam consumption	
Width recessed type	1050 mm	/process(135 <u>textils progr</u>)	4 kg
Height cabinet type	1660 mm	peak value	30kg/h
Height recessed type	1700 mm	Pilot voltage	24 VAC
Depth	930 mm	Fuse pilot circuits 5 x 20 mm	10 A
Loading height	800 mm	Electricity alternative 1	
Weight	360 kg	3 x 380 volts + <u>Beutral</u> , 50 Hz	
Chamber width	455 mm	Electricity alternative 2	
height	460 mm	3 x 220 volts 50 Hz	21 kW
depth	660 mm	<u>Electric rating incl. steamgenerator</u>	0,9
corner radius	75 mm	<u>Electric rating excl. steamgenerator</u>	kW
volume	135 litre	<u>Wlectric energy consumption/process</u>	
design pressure	300 kpa	Incl. steam generator	3,6 kWh
material SIS 2347		Steam generator	
corresponding to AISI 316		Gross volume	21 litre
<u>Vacuumpump electric rating</u>	0,75 kW	Water volume	10 litre
Water consumption at 110 mbar	3/l/min	Design pressure	350 kpa
<u>Feedwater pump electric rating</u>	0,37 kW	Heat losses	0,5 kW
<u>Feedwater pumpcapacity at 400 kpa</u>		Electric rating	19 kW
<u>Conterpressure</u>	5,6 l/min		
<u>Heat losses,stream generator</u>			
equipped	about 2 kW		
Water consumption/process	200 litre		
Peak value	10 l/min		



AUTOCLAVE WEBECO

Manufacture typ Webeco

Manufacture Webeco

Made in Germany

Part number. 81136200

Production year 1970

Comment´s: Does not need water and outflow installation. If power failure should occur, it is possibility to use the enclosed paraffin-stove for heating.





Content List AUTOCLAVE WEBECO

<u>Description</u>	<u>Qty</u>
Contents list	1
Instruction Manual, SoS	1
Sterilization chart, Sjs	1
Autoclave Webeco	1
Paraffin stove	1
Measuring cup	1
Holder	1
Base plate	1
Tray	1
Spade	1
Cassette, small	1
Cassette, large	1

Technical Data AUTOCLAVE WEBECO

Work|pressure and temperature

20kPa(2kg/cm2);
130C, for instru-
ment, syringe,
bandage etc.
100kPa(1kg/cm2);
120C, for rubber
articles, plastics and
bottles with solvents.

Camber

Breadth: 16,2 cm
Height: 16,2 cm
Deep: 49,5 cm

Weight (With all fittings)

71 Kg

Running- options

Electricity; 3kW fuse
16A 220V

Paraffin: 2,1 kW
paraffin stove with
three burner.

Outside measurements

Breadth: 43 cm
Height: 71 cm
(including the
bottomplate)
Deep: 75 cm (total
deep which includes
the lock device on
the door.

Fittings

Plate 45x15x3 cm
Cassette 45x14x5 cm
Cassette 45x14x12cm
Bottomplate
Insert rack
Spade

Glass gauge
Paraffin stove

Spanner
three cleaning needles
Spare part: Door gasket



DEFIBRILLATOR, LIFEPAK 10

Manufacture typ	LifePac 10
Manufacture	Physicontrol
Made in	USA
Part number.	1168100
Production year	1993
Comment´s	With cardioscope display



Content List DEFIBRILLATOR, LIFEPAK 10

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Contents list	1	
	Instruction Manual Lifepac 10	2	
	Instruction Manual AC Auxiliary power module	1	
	Book about defibrillation- What you should know	1	
80 42 00-37	Defibrillator, Lifepac 10	1	
80 42 17-07	AC Auxiliary power module (Charger & Power supply)	1	
09-10 424-09	Battery, fastpac	3	
	Main cable 220 VAC	1	
80 54 00 01	ECG-cable	1	
	Accessories bag (velcro)	2	
80 04 18	Child size paddles (for attachment to the regular paddles)	2	
8047 00-003	ECG-paper	2	rolls

Technical Data DEFIBRILLATOR, LIFEPAK 10

<u>Energy select</u>	Disarm 5,10,20,50,100,200,300,360
<u>Charge time</u>	Charge to 360 J in less than 12 seconds
<u>Paddle area</u>	82 cm ²
<u>Cord Length</u>	2.3 m
<u>Synchronizer</u>	Ensures energy discharge within 20 msec of sync marker on <u>cardioscope</u> (triggers to patient generated QRS complex)
<u>Paddle Controls</u>	Charge(with <u>indicator light</u>) Record (activates strip chart recorder) Energy select (rotating dial; disarm to 360J) Shock (dual energy discharge buttons, one on each paddle)
<u>Battery</u>	3 NiCad batteries, 12 V 1.0 amp hours each A new <u>Battery pak</u> registering at least 100% capacity on the Battery support system will minimally provide: -45 minutes of monitoring, or -30 minutes of pacing, or -25 discharges at 360 joules per battery pak
<u>Height</u>	10,4 cm
<u>Width</u>	40,6 cm
<u>Depth</u>	37 cm
<u>Weight</u>	9 kg



DIATHERMY ELEKTROTOM 200

Manufacture typ	Elektrotom 200
Manufacture	Berchtold
Made in	Germany
Part number.	81167300
Production year	1993
Comment´s	Has got a cutting and spray function. Also bipolar function for use with forceps.





Content List DIATHERMY ELEKTROTOM 200

<u>Part number</u>	<u>Description</u>	<u>Qty</u>
	Contents list	1
	Instruction Manual	1
	<u>Elektrotom 200 Diathermy apparatus</u>	1
	Main cable 220 V	1
	Ground, yellow/green	1
	Neutral electrode, multiple use	1
	Cable to neutral electrode	1
	Handle with cable	1
	Blade electrode, straight	1
	Spark electrode, ø 4mm	1
	Tweezers	1
	Cable to tweezers	1

Technical Data DIATHERMY ELEKTROTOM 200

<u>Power requirement</u>	110 / 220 V AC +/- <u>reconnectable</u>
<u>Current consumption</u>	max 440 VA
<u>Nominal frequency</u>	500 <u>kc/s</u>
<u>Impulse frequency of modulation</u>	33 <u>kc/s</u>
CREST-FACTOR	
Current type spray-coagulation	7.6
Current type contact- coagulation	3.0
Current type pure cut	1.6
Current type blend I	2.2
Current type blend II	2.6
Current type blend III	3.0
Current type bipolar coagulation	1.8
HF-OUTPUT	
Current type spray-coagulation	80 Watts +/- 20 % on 300 Ω
Current type contact- coagulation	175 Watts +/- 20 % on 200 Ω
Current type pure cut	175 Watts +/- 20 % on 300 Ω
Current type blend I	175 Watts +/- 20 % on 300 Ω
Current type blend II	175 Watts +/- 20 % on 300 Ω
Current type blend III	175 Watts +/- 20 % on 300 Ω
Current type bipolar coagulation	50 Watts +/- 20 % on 100 Ω
Weight	8,8 kg
Dimensions	130 mm height 400 mm width 380 mm depth



DEVELOPMENT MACHINE Diathermy 81167300

Manufacture typ	Curix 60
Manufacture	Agfa-Gevaert
Made in	Germany
Part number.	1169600
Production year	1994
Comment´s	Film and development equipment are not included.





Content List DEVELOPMENT MACHINE Diathermy 81167300

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Contents list	1	
	Instruction Manual Agfa, <u>Curix 60</u>	1	
	Developing machine Agfa, <u>Curix 60</u>	1	
	Light-proof lid	1	
7 9462 1081 0	Bottle 2,5 <u>litres</u>	6	
8 9432 1090 4	Valve for bottle	4	
	Cork for bottle	3	

Technical Data DEVELOPMENT MACHINE Diathermy 81167300

Film range/films sizes

All standard brand films of the size 10 x 10 cm – 35 x 43 cm which are suitable for machine processing.

Hourly output

60 films/h of size 24 x 30 cm

Heating time

About 7 min

Processing time

3 min

Processing rate

28 cm/min, 20 cm/min with transformation kit

Chemicals

Developer solution

G 153

Fixer solution

G 353 and G 354

Contents of replenishment tanks

2.5 l each

Contents of baths

0,9l each

Bath temperature

Developer

34° (ex works)

Fixer

34° (ex works)

Watere

Not heated

Drying system

Infrared drying with 6 drying levels,

Air throughput about 80 m³/h

Heat emission

About 2100 kJ/h in continuous

Operation with the dryer seat at 4

Dimensions

Width

650 mm

Length

940 mm incl. feed table

Height

370 mm incl. feet

Base area

650 x 800 mm

Weight

54 kg empty, 64 kg full

Operating ambient temperature

15° C to 30° C

Operating humidity

25% to 80%



DEVELOPMENT EQUIPMENT

Manufacture typ	Curix 60
Manufacture	Agfa-Gevaert
Made in	Germany
Part number.	1169500
Production year	1994
Comment's	Cassette Kodak, X-Omatic LW, Medium & Regular

Content List DEVELOPMENT EQUIPMENT

<u>Part number</u>	<u>Description</u>	<u>Qty</u>
	Contents list	1
00 11 009	X-ray cassette 35 x 43 cm	4
00 11 010	X-ray cassette 24 x 30 cm	6
00 11 011	X-ray cassette 18 x 24 cm	4
9196882+6802532	Filter box and filters 35 x 43 cm	1
9196825+6802474	Filter box and filters 24 x 30 cm	1
	Label SIN	5
	Label DX	5
91 98 979	X-ray apron	2
66 44 447	X-ray interpretation cupboard	1





OXYGEN SUPPLY SYSTEM OP

Manufacture Aspira Medical AB
Made in Sweden
Part number. 1169700
Production year 1996
Comment's Support as maximum 16 patients with air from the compressor and oxygen from gas bottle.

Content List OXYGEN SUPPLY SYSTEM OP

<u>Part number</u>	<u>Description</u>	<u>Qty</u>
	<u>Contents list</u>	1
	<u>Instruction Manual</u>	1
	<u>Bottle regulator</u>	10
	<u>Gas loop consisting of 4 blocks</u>	4
	<u>Extension tube air pressure</u>	2
	<u>Extension tube oxygen</u>	2
	<u>Spray nozzle</u>	10
	<u>Gas block, air pressure</u>	3
	<u>Tube, air pressure</u>	
	<u>Tools</u>	
	<u>Spare parts</u>	





FLOOR LAMP, Surgery

Manufacture typ	B 250 SS
Manufacture	Martin
Made in	Germany
Part number.	1144900
Production year	1981
Comment´s	2 lamps packed in a box





Contents list Floor lamp, surgery 1144900

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Contents list	2	
	Instruction Manual	2	
	Lamp body with halogen lamp	2	
	Stand with transformer and mains connection	2	
	Handle, washable in autoclave	2	
	Spring	2	
	Foot	2	
	Halogen lamp, extra 24 V/50W	4	
	Glass fuse F 2,5 A	8	
	Allen key 6 mm	2	

Technical data Floor lamp, surgery 1144900

Bulb	Top sealed 24 V/ 50 W Two lamps in reserve are enclosed
Light intensity	36.000 lux
Transformer	220V/24 V 60 VA S-marked Double isolated (class II) 2,5 A fuse (secondary) Five fuses in reserve are enclosed
Handle	Can be sterilised in chemical <u>desinfection</u> or <u>autoclaved</u> in 120C.
Able to focus	
<u>Weight</u>	27 Kg



FLOOR LAMP, EXAMINATION

Manufacture Kifa
Made in Germany
Part number. 81144800
Production year 1970

Contents list Floor lamp, Examination

<u>Part number</u>	<u>Description</u>	<u>Qty</u>
	Floor stand	1
	Stand	1
	Lamp body with arm and electrical cable	1





FLOOR LAMP, UNIVERSAL

Manufacture typ	3060-50000
Manufacture	Hanau
Made in	Germany
Part number.	1164000
Comment's	Can be mounted on the wall or the ceiling

Contents list Floor lamp, UNIVERSAL

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Template for drill holes in ceiling	1	
	Ceiling attachment casing	1	
	Attachment with arm	1	
	Adjustable arm	1	
	Lamp housing	1	
	Transformer Tufvasson 240V-24 V AC, protective transformer PVS 75	1	
	Ziploc bag containing key and bolt for adjusting the spring pressure in the arm between the lamp and the ceiling attachment.	1	





CARDIOSCOPE , One channel

Manufacture typ	Diascope 1
Manufacture	S & W
Made in	Denmark
Part number.	1167400
Production year	1993
Comment´s	Singel Channel ECG Monitor



Contents list CARDIOSCOPE , One channel

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Contents list	1	
	Instruction Manual	1	
	<u>Diascope 1</u>	1	
	Main cable 220 V	1	
	Cords for disposable electrodes	1	
	Cords for multiple use electrodes		
	Multiple use electrodes		
	Tape for multiple use electrodes	1	Pack 500 pcs

Technical data CARDIOSCOPE , One channel

Dimensions

H: 125 x W: 200 x D: 270 mm

Weight

4.3 kg

Power requirements

220-240 VAC +/-10% 50/60 Hz or 100-117 VAC +/-10% 50/60 Hz

Consumption

24 VA

Operating temperature

+5 C to +40 C

Display

CRT screen dim. H 80 mm, W: 100 mm.

Display speed: 25 or 50 mm/s.

Max. display gain: 1 mV input equals 2 cm on the screen

Digital display

3 digit LED

Digit size: H: 11 mm, W 6 mm. Updating cycle: 2.1 s simultaneously

Cathode ray tube

Size: 5.5" (80 x 100 mm).

Mode: Non-fade, rolling mode.

Light indications

Alarm off.

Controls

Stop/run for freezing and starting the ECG.

Alarm on/off for enabling or disabling the alarm.

Main function selector for selecting the input of the digital display, ECG LOW/HIGH alarm.

Up/down button for increasing/decreasing the parameters selected by the main functions selector.

QRS-volume/ECG trace for adjusting the QRS-beep and the ECG trace speed. Mains on/off.

Soft functions test selector.

Connectors

ECG input: Colour coded S&W standard connectors

Interface output: 15 way subminiature D-type

ECG Amplifier

Input

Mode: Differential

Impedance: 10 mOhm DC, 4 mOhm at 35 Hz

Difference input max: 360 mV

CMRR: 80 db

Defi shock protection: 5 KV

Filter 50/60 Hz: 40 db

Defibrillator marker, input typ: 1 V/100 ms

Amplification

Electrosurgery noise filter

Frequency response: 0.3 – 35 Hz (-3 db)

Overload recovery time 6 s.

Pace discriminator

Trigger level: +/-2.3 mV, slew rate sensitive

Output

Heart rate test generator: 120 beats/min.

Analogue heart rate: 10mV/beat.

ECG direct (1 mV inp.): 1 Vpp

ECG delayed (1 mV inp.): 1 Vpp

Alarm: =V when active, -11 V when off

Alarm block: 0 V when active, -11 V when off 0 V

Ds 1 on: +5 V when on, -11 V when off.

Memory back-up

The values set by the operator are retained

During short power-off periods, i.e. ECG-gain, alarm

on/off, alarm limits

The memory time is minimum 15 s.

Patient safety system

Leakage current between chassis and any patient

terminal at 50 Hz <0.04 μ A/V

QRS detector

Trigger level 0.3 mV (ref. input).

Tachometer

Mode: Averaging.

Range: 20-300 beats/min.

Classification

IEC 6001 class 1

Type CF with defibrillator protection

Vibration IEC 68



COMPRESSOR Artificial respiration

Manufacture	Biab
Made in	Sweden
Part number.	81150300
Production year	1982
Comment's	The compressor produces clean air to be used with the Ventilator UV 705 or other medical air machine. At least ten Ventilators can be used at the same time.





Contents list COMPRESSOR Artificial respiration

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Contents list	1	
	Instruction Manual National Board of Health and Welfare	1	
	SA-certificate for first inspection	1	
	SA-certificate pressure vessel	1	
	Compressor Biab/Haug 75/100	1	
	Surveyance apparatus	1	
	Intake air filter	2	
	Piston rings	2	Set
	Piston seal rings	2	
	Valve seals	2	
	Hook wrench 110mm – 115mm	1	

Technical data COMPRESSOR Artificial respiration

Storage mark	M2350-815511-4	
Storage name	Kompaggr 1 vent MT	
Manufacturer	BIAB Tryckluft AB	
Manufacture mark	BIAB/HAUG 75/100	
Voltage demands	3x 220V 50 Hz	
Fuse demands	16 A	
Dimensions:	Without the box	With the box
Length	970 mm	120mm
Breadth	710 mm	800 mm
Height	830 mm	1420 mm
Weight	165 kg	280 kg
Compressor, type	HAUG BOZ 75-D4	
Cylinder, number	2	
Free stated air quantity at four bar	4,1 l/s, 245l/min	
Maximum work pressure	0,8 MPa, 8 bar	
Engine:		
Type	Elmo RA 100LB/4-2769	
Effect	2,2 kW	
Number of revolution	1450 rpm	
Voltage	380/220 V +- 25%	
Frequency	50 HZ +- 6%	
Cooling method	IP 54	
Air container		
Volume	100l	
Calculations- and maximum pressure	0,8 MPa, 8 bar	
Testing pressure	1,1 MPa, 11bar	
Surface treatment	Silicone inside and outside	
Muffs and plugs	Stainless	



MEDICINE TECHNICAL SERVICE KIT

Part number. 1169900

Production year 1995

Comment's The sevice kit contents test instruments. About sixty different tools and general spate parts for the medical technician.





Contents list Medicine technical service kit 1169900

Number	Description	Qty	Number	Description	Qty
11 69 940	Test pin, red, for 4 mm B	1	11 69 901	CSC 5-56 400 ml	1
11 69 941	Trimmer	1	11 69 902	Work top soft	1
11 69 942	Cutting pliers	1	11 69 903	Hammer drill MAK	1
11 69 943	Vice universal 2B	1	11 69 904	Drill kit Projahn	1
11 69 944	Water level Typ 446 mm	1	11 69 905	Installation drill kit	1
11 69 945	Electrical tape PVC	5	11 69 906	Thermometer DIDI- Therm	1
11 69 946	Thread tape PTFE	2	11 69 907	ESD Wrist strap	1
11 69 947	Seam tape type 1160	3	11 69 908	Flash light Mini- Maglite	1
11 69 948	Multiway socket with 6 sockets	1	11 69 909	Snipe nose pliers 7890	1
11 69 949	Lubricating grease silicone 7220	1	11 69 910	Threading kit Projahn	1
11 69 950	Tin soldering Multicore 2.3 mm 500G	1	11 69 911	Hole saw ca 40 – 83 mm	1
11 69 951	Pincers 200 mm	1	11 69 912	Instrument skrewdriver kit 1 – 3	1
11 69 952	Rubber seal kit Loctite 1622	1	11 69 913	Cable clip kit with pliers	1
11 69 953	Light machine oil 100 ml ME	1	11 69 914	Lab cable red 100 cm	4
11 69 954	Compass saw blade	3	11 69 915	Lab cable black 100 cm	4
11 69 955	Steel wire 1.0 mm 600 G	1	11 69 916	Lab cable red 200 cm	2
11 69 956	Protective goggles	1	11 69 917	Lab cable black 200 cm	2
11 69 957	Block gas seal bell	1	11 69 918	Soldering iron 300 W	1
11 69 958	Cleaning valve	1	11 69 919	Soldering station Temtronic WE	1
2000 730	Tool equipment RePairator	1	11 69 920	Tin solder 1.0 mm 500G	1
9000 479	Service Manual Servoventilator	1	11 69 921	Mini pliers CHY 932 C 600	1
9000 480	Service Manual FX-3101	1	11 69 922	Fluke Scope Master 99B	1
9000 481	Service Manual Diascope 1	1	11 69 923	Multimeter CHY 14 INKL	1
9000 482	Service Manual Lifepak 10	1	11 69 924	Needle file kit 470 Sandvik	1
9000 483	Service Manual Curix 60	1	11 69 925	Pliers 426G 0 – 22	1
9000 484	Service Manual Pnucpak ventilators	1	11 69 926	Sidecutting pliers 7190	1
9000 485	Service Manual Elektrotom 200	1	11 69 927	Extension cord grounded 25 m	1
9000 486	Service Manual Pulsoximeter 515 A	1	11 69 928	Screwdriver Stubby	1
9000 487	Service Manual Egnell Compact 30	1	11 69 929	Spanner 6 OC for hose clamps	1
9000 488	Users manual FX 3101	1	11 69 930	Hose clamps, kit 8 – 14,4	5
9000 489	Users manual Pulsoximeter 515 A	1	11 69 931	Stress detector	1
9000 490	Spare parts Autoklav	1	11 69 932	Service box with plastic straps	1
9000 491	Spare parts AGFA Curix	1	11 69 933	Fuse selection Snabb	1
9000 492	Spare parts Mobilett	1	11 69 934	Tin vacuum Val-U-Vac	1
			11 69 935	Avlödningsfläta 1,5 – 2	2
			11 69 936	Test pin with grabber R	1
			11 69 937	Test pin with grabber S	1
			11 69 938	Test pin with clamp	1
			11 69 939	Test pin with clamp	1



ANAESTHETIC APPARATUS ,AGA,

Manufacture typ	AGA
Manufacture	AGA
Made in	Sweden
Part number.	81153800
Production year	1964
Comment´s	It can be handled by hand or together with Ventilator UV 705.





Contents list ANAESTHETIC APPARATUS ,AGA,

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Documentation		
	Contents list	1	
	Instruction Manual <u>Anaesthesia apparatus</u>	1	
	Instruction Manual Ventilator UV 705	1	
	Maintenance instructions <u>anaesthesia gases</u>		
	Penlon OMV-50 (Triservice)	1	
	Anaesthesia apparatus		
	Anaesthesia apparatus AGA Anestor Militar	1	
	Valve and soda lime container holders	1	
	Soda lime container	2	
	Plastic tube 8/12 x 500 with angle pieces	1	
	Inhalation valve	1	
	Exhalation valve	1	
	<u>Berner</u> valve with ISO cone	1	
	Potential equilibration valve	1	
	Revivator and rubber parts		
	Valve unit revivator	1	
	Plastic distance piece	2	
	Respiration mask no 3	2	
	Y-piece for respiration mask	1	
	Neck strap and metal holder for respiration mask	1	
	Respiration bladder 2, 3, or 4 litres	2	
	Rubber bladder self-filling	1	
	Rubber bladder folded 250 x 22 mm	2	
	Rubber bladder folded 1050 x 22 mm	2	
	Rubber bladder folded 1050 x 26 mm	1	
	Anaesthetic scale		
	<u>Halotane/Trilene</u>		
	<u>Enflurane</u>		
	<u>Isoflurane</u>		
	<u>Penthrane/ Chloroform</u>		

Technical data ANAESTHETIC APPARATUS ,AGA,

AGA	
Weight: Anaesthetic apparatus	40 kg
gas bottles, totally	43 kg
Volume: box	0,2 m3



OPERATING TABLE, MERIVAARA

Manufacture typ	OP 1650
Manufacture	Merivaara
Made in	Finland
Part number.	1167600
Production year	1992
Comment´s	Positioning functions are: elevation, trendelenburg position, lateral-tilt position, head section position, back section position and foot/leg section





Contents list OPERATING TABLE, MERIVAARA

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Users Manual	1	
	Service Manual	1	English
	Operating instructions	1	English
	List of accessories	1	
	Basic equipment		
	Operating-table	1	
	Headrest and mattress	1	
	Dividable footrest and mattress	1	
	Mattress for seat and back	1	
	Narcosis stand with vice	1	
	Armrest with vice and mattress	1	
	Wristrest with vice	1	Pair
	Legrest with vice	1	Pair
	Accessories		
	Legrest with accessories	1	Pair
	Rinser with accessories	1	
	Locating screw for armrest	1	
	Locating screw for footrest	2	
	Locating screw for rinsing bowl	1	
	Locating screw for headrest	1	Pair
	Locating screw for leg stirrups	2	
	Locating screw for arm straps	2	
	Transport lock	1	

Technical data OPERATING TABLE, MERIVAARA

General

Model OP 1650 is manually operated, general purpose surgery table.

The elevation system is actuated by a foot operated, manual/hydraulic pump.

All table posturing with the exception of the foot/leg section is operable from the head end of the table.

Floor Lock/Brake System

The floor lock/brake system consists of two jacks which raise and support the table base off from the swivel castor.

Elevation System

The table top elevation cylinder is actuated by a foot operated, manual- hydraulic pump.

Elevation adjustment range is 730 – 1040 mm.



OPERATION TABEL, MERIVAARA Casualti dep.

Manufacture typ	OP 1650
Manufacture	Merivaara
Made in	Finland
Part number.	1167800
Production year	1992
Comment´s	Positioning functions are: elevation, trendelenburg position, lateral-tilt position, head section position, back section position and foot/leg section





Contents list Operating table, MERIVAARA, casualties 1167800

General

Model OP 1650 is manually operated, general purpose surgery table.

The elevation system is actuated by a foot operated, manual/hydraulic pump.

All table posturing with the exception of the foot/leg section is operable from the head end of the table.

Floor Lock/Brake System

The floor lock/brake system consists of two jacks which raise and support the table base off from the swivel castor.

Elevation System

The table top elevation cylinder is actuated by a foot operated, manual- hydraulic pump.

Elevation adjustment range is 730 – 1040 mm.

Technical data Operating table, MERIVAARA, casualties 1167800

Part number	Description	Qty	Note
	Instruction Manual	1	
	Service Manual	1	English
	Operation Instructions	1	English
	List of accessories	1	
	Basic equipment		
	Operating-table	1	
	Headrest and mattress	1	
	Dividable footrest and mattress	1	
	Mattress for seat and back	1	
	Narcosis stand with vice	1	
	Armrest with vice and mattress	1	
	Wristrest with vice	1	Pair
	Legrest with vice	1	Pair
	Accessories		
	Legrest with accessories	1	Pair
	Rinser with accessories	1	
	Locating screw for armrest	1	
	Locating screw for footrest	2	
	Locating screw for rinsing bowl	1	
	Locating screw for headrest	1	Pair
	Locating screw for leg stirrups	2	
	Locating screw for arm straps	2	
	Transport lock	1	



OPERATING TABLE, MERIVAARA with accessories

Manufacture typ	OP 1650
Manufacture	Merivaara
Made in	Finland
Part number.	1167700
Production year	1992
Comment´s	Positioning functions are: elevation, trendelenburg position, lateral-tilt position, head section position, back section position and foot/leg section





Contents list OPERATING TABEL, MERIVAARA with accessories

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Users Manual	1	
	Service Manual	1	English
	Operating instructions	1	English
	List of accessories	1	
	Basic equipment		
	Operating-table	1	
	Headrest and mattress	1	
	Dividable footrest and mattress	1	
	Mattress for seat and back	1	
	Narcosis stand with vice	1	
	Armrest with vice and mattress	1	
	Wristrest with vice	1	Pair
	Legrest with vice	1	Pair
	Accessories		
	Legrest with accessories	1	Pair
	Rinser with accessories	1	
	Locating screw for armrest	1	
	Locating screw for footrest	2	
	Locating screw for rinsing bowl	1	
	Locating screw for headrest	1	Pair
	Locating screw for leg stirrups	2	
	Locating screw for arm straps	2	
	Transport lock	1	
	Extra accessories		
	Shoulder / side protection with vice	2	

Technical data OPERATING TABEL, MERIVAARA with accessories

General

Model OP 1650 is manually operated, general purpose surgery table.

The elevation system is actuated by a foot operated, manual/hydraulic pump.

All table posturing with the exception of the foot/leg section is operable from the head end of the table.

Floor Lock/Brake System

The floor lock/brake system consists of two jacks which raise and support the table base off from the swivel castor.

Elevation System

The table top elevation cylinder is actuated by a foot operated, manual- hydraulic pump.

Elevation adjustment range is 730 – 1040 mm.



X-RAY MACHINE MOBILE Simens Mobilett

Manufacture typ	Mobilett
Manufacture	Siemens-Elema
Made in	Germany
Part number.	1169400
Production year	1994

Contents list X-ray machine mobile 1169400

Part number	Description	Qty	Note
	Contents list	1	
	Instruction Manual Siemens- Elema	1	
	Service Manual Siemens- Elema	1	
	Mobilett Plus	1	
	Transport lock lever	1	
	Exposure trigger	1	
	Angle gauge	1	
	Wrench 16 mm och 18 mm	1	

Technical data X-ray machine mobile 1169400

See separate documentation





SUCTION PUMP INTENSIVE CARE -81

Manufacture typ	IVA
Manufacture	Einar Egnell AB
Made in	Sweden
Part number.	81160000
Production year	1981



Contents list SUCTION PUMP INTENSIVE CARE -81

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Contents list	1	
	Instruction Manual Pump Egnell	1	
	Assembly instructions Pump Egnell	1	
Model 23	Suction pump, <u>Egnell Minor</u>	1	
	Stand	1	
	Floor stand	1	
	T-piece		
	Holder for 2-litre bottle	1	
17-725	Bottle 2 litres	2	
	Holder for 0,7 litre bottle	1	
17828	Bottle 0,7 litres	2	
17413 S	Lid with overflow protection	1	
17413	Lid	1	
	Filter container	1	
	Connecting tube 7 -10 mm	1	
	Connecting tube 10 -10 mm	1	
	Hose 1,7 m. 8 x 12 mm with 2 female sockets (17 397)	2	
	Hose 30cm. 6 x 8 mm with 2 female sockets (17 397)	4	
421/5	Electrical cord, cast 5 m	1	
FP 50	Filter paper ø 70 mm	1	Pack of 50
	Rubber seal 12,1 x 1,6 mm (Inside suction pump)	4	
	Cotton inlay (Inside suction pump)	1	
	Molykote BR 2 tube. (Inside suction pump)	1	
1198	Rubber non-return valve (Inside suction pump)	4	
	Allen key 6 mm	1	
	U-wrench 17 mm (Inside suction pump)	1	

Technical data SUCTION PUMP INTENSIVE CARE -81

Suction capacity	Approximately 18 litres of air per minute
Suction intensity	Infinitely variable from 0.1 to 0.9 kg/cm ² (10-90 kPa or 75-685 mm Hg)
Power supply	200 – 250 V. 50 c/s
Rating	approx 90 W
Motor speed	Approx 144 r.p.m.
Dimensions	
Length x width x height	400 x 210 x 970 mm
Wheelbase	390 x 390 mm
Weight	approx 18kg

SUCTION PUMP SURGERY -81

Manufacture typ	Fricare
Manufacture	Siemens-Elema
Made in	Germany
Part number.	81160100
Production year	1981





Contents list SUCTION PUMP SURGERY -81

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Contents list	1	
	Instruction Manual, <u>Fricar suction pump by Siemens-Elema</u>	1	
	<u>Fricar suction pump</u>	1	
	Sealed lid with overflow valve	1	
	Plastic tube (assembled)	1	
	<u>Secretion bottle 4 litres</u>	2	
	<u>Overflow bottle 0,3 litres</u>	1	
	Lid for overflow bottle	1	
	Plastic tube 2 meters	1	
	Timing belt	2	
	Seal for suction bottle	1	
M6141-002010	Phillips <u>skrewdriver Ph no 1</u>	1	
	U-wrench 17 mm	1	
	Allen key 4 mm	1	

Technical data SUCTION PUMP SURGERY -81

Motor

Short-circuit one phase motor.

Unit

Rotation unit without valves with automatic ring lubricates.

Net

Alternating current only. Make sure that the voltage agrees with the unit's voltage mark. The current consumption is 500W at 220V. Connect to grounded wall socket.

CEILING LAMP, SURGERY -81

Manufacture	Martin
Made in	Germany
Part number.	1160800
Production year	1981
Comment's	The handle can be disinfected or autoclaved.





Contents list CEILING LAMP, SURGERY -81

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Contents list	1	
	Instruction Manual	1	
	Lamp body with 2 pcs halogen lamps	1	
	Fittings support	1	
	Handle, washable in autoclave	2	
	Fittings handle	1	
	Ceiling attachment with 6 st nuts and bolts	1	
	Transformer 220/24V	1	
	Ceiling attachment casing	2	
	Halogen lamp, extra	2	
	Glass fuse F6, 3A	4	
	Allen key 2 mm	1	

Technical data CEILING LAMP, SURGERY -81

<u>Lamp type</u>	Two halogen lamps (one in reserve) 24V/100W Two extra lamps are enclosed
<u>Light intensity</u>	70.000 lux (variable)
<u>Transformer</u>	220V/24V 150 VA S-marked Double isolated (class II) 6,3 A fuse (secondary) Five fuse in reserve are enclosed
<u>Handle</u>	Two sterilised handles are enclosed.
<u>Able to focus</u>	
<u>Weight</u>	28 kg



VENTILATOR UV 705

Manufacture typ	UV 705 std
Manufacture	AGA
Made in	Sweden
Part number.	1162900
Production year	1981
Comment's	Can be used with the anesthetic apparatus AGA 1153800.





Contents list Ventilator 1162900

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Note</u>
	Contents list	1	In lid
	Instruction Manual UV 705, SoS	1	In lid
M7835-292010-4	AGA ventilator UV 705	1	Box A2
F3600-012049-5	Power eliminator for 220 V AC	1	Box A
M7835-292028-6	Patient unit	1	Box A2
F3600-012074-3	Manometer for patient pressure	1	Box A3
	Overflow valve with expansion hose for the circular system	1	Box A6
	Removable writing board	1	Box A8
F3600-012070-1	Compressed air tube 8/14 quick-release, 3 m	1	Box B
	Five-footed stand with feet	1	Box C
	Lower stand with holder	1	Box C
	Upper stand with storage platform	1	Box C
	Attachment for anaesthesia apparatus	2	Box B
M7835-990398-8	Rubber bladder 3 litres	2	Box B
F3600-0120545	Grommet 30 mm (silicon)	2	Box B
M7835-990288-1	Connector piece, plastic ISO	1	Box B
M1536-165308-6	Rubber seal 10. 3 x 2,4	2	Box B
M1536-165405-0	Rubber seal 22. 2 x 2,3	2	Box B
F3600-012073-5	Expansion hose PVC 2/4, 1 meter	1	Box B
F3600-012076-8	Simmering	1	Box B
M2486-840334	Fuse 1A	10	Box B
M2486-840806-9	Fuse 100mA	10	Box B
F3600-012052-9	Membrane bladder 2 x 10 kit	2	Box B
FRP-95-235 (Wilkerson)	Filter for steam dryer	1	Box B
GRP-96-310 (Wilkerson)	Holder for steam dryer	1	Box B

Technical data Ventilator 1162900

Compressed air pressure	0,2-0,8 Mpa (2-8 bar)
consumption	
at re-breathing	= minute volume
at non-re-breathing (normal adjustment)	about 2 times minute volume
Electricity supply	220 V 50 Hz
Running time with battery	24 hours
Breathing frequency	8-40/min
Inspirations time, in percent of time per breath	10%-90%
Minute volume	
at re-breathing	2-18 l/min
at non-re-breathing	0-23 l/min
Emptying pressure (non-re-breathing)	70-100cm H2O
Safety valve, adjustable	0-70H2O
PEEP (final expiratory pressure at non-re-breathing)	0-20cm H2O
Weight	9,7kg
Size	breadth 410 mm, deep 250 mm, height 155



VENTILATOR UV 705 IVA

Manufacture typ	UV 705 intensive care
Manufacture	AGA
Made in	Sweden
Part number.	1162700
Production year	1981
Comment´s	Can be used with the anesthetic apparatus AGA 1153800.



Contents list Ventilator 1162700

Part number	Description	Qty	Note
	Contents list	1	In lid
	Instruction Manual UV 705, SoS	1	In lid
M7835-292010-4	AGA ventilator UV 705	1	Box A2
F3600-012049-5	Current unit for 220 V AC	1	Box A
F3600-012059-4	Dosage unit for air and O2	1	Box A1
M7835-292028-6	Patient unit	1	Box A2
F3600-012074-3	Manometer for patient pressure	1	Box A3
F3600-012050-3	Valve for exhalation system	1	Box A4
M7835-990358-2	Y-piece, straight	1	Box A5
M7835-990448-1	Y-piece, angled	1	Box A5
	Overflow valve with expansion hose for the circular system	1	Box A6
	Removable writing board	1	Box A8
	Bed support holder	1	Box B
M7863-131010-1	Folded tube 105 cm	4	Box B
69 34 509 (Siemens- Elema) 68 08 943 (Siemens-Elema)	Servo-humidifier 150	3	Box B
F3600-012070-1	Inlay for servo-humidifier	32	Box B
	Compressed air hose 8/14 with quick-release, 3 m	1	Box B
	Five-footed stand with feet	1	Box C
	Lower stand with storage platform	1	Box C
	Upper stand with storage platform	1	Box C
	Attachment for anaesthesia apparatus	2	Box B
M7835-292068-2	Support for patient tubes	1	Box C
M7835-990398-8	Rubber bladder 3 litres	2	Box B
F3600-0120545	Grommet 30 mm (silicon)	2	Box B
M7835-990288-1	Connector piece, plastic ISO	1	Box B
M1536-165308-6	Rubber seal 10.3 x 2,4	2	Box B
M1536-165405-0	Rubber seal 22.2 x 2,3	2	Box B
F3600-012073-5	Expansion hose PVC 2/4, 1 meter	1	Box B
F3600-012076-8	Simmering	1	Box B
M2486-840334	Fuse 1A	10	Box B
M2486-840806-9	Fuse 100mA	10	Box B
F3600-012052-9	Membrane bladder 2 x 10 kit	2	Box B
FRP-95-235 (Wilkerson)	Filter for steam dryer	1	Box B
GRP-96-310 (Wilkerson)	Holder for steam dryer	1	Box B

Technical data Ventilator 1162700

Compressed air pressure consumption	0,2-0,8 Mpa (2-8 bar)
at re-breathing	= minute volume
at non-re-breathing (normal adjustment)	about 2 times minute volume
Electricity supply	220 V 50 Hz
Running time with battery	24 hours
Breathing frequency	8-40/min
Inspirations time, in percent of time per breath	10%-90%
Minute volume	
at re-breathing	2-18 l/min
at non-re-breathing	0-23 l/min
Emptying pressure (non-re-breathing)	70-100cm H2O
Safety valve, adjustable	0-70H2O
PEEP (final expiratory pressure at non-re-breathing)	0-20cm H2O
Weight	9,7kg
Size	breadth 410 mm, deep 250 mm, height 155



VENTILATOR UV 705 IVA SPIRO

Manufacture typ	UV 705 intensive care
Manufacture	AGA
Made in	Sweden
Part number.	1162800
Production year	1981
Comment´s	Can be used with the anesthetic apparatus AGA 1153800.



Contents list Ventilator + spiro 1162800

Part number	Description	Qty	Note
	Contents list	1	In lid
	Instruction Manual UV 705, \$0\$	1	In lid
F3600-012049-5	Power eliminator for 220 V AC	1	Box A
F3600-012059-4	Dosing equipment for air and O2	1	Box A1
M7835-292028-6	Patient unit	1	Box A2
F3600-012074-3	Manometer for patient pressure	1	Box A3
F3600-012050-3	Valve for exhalation system	1	Box A4
M7835-990358-2	Y-piece, straight	1	Box A5
M7835-990448-1	Y-piece, angled	1	Box A5
	Overflow valve with expansion hose for the circular system	1	Box A6
	Removable writing board	1	Box A8
	Bed support holder	1	Box B
M7863-131010-1	Folded tube 105 cm	4	Box B
69 34 509 (Siemens- Elema)	Servo-humidifier 150	3	Box B
68 08 943 (Siemens-Elema)	Inlay for servo-humidifier	32	Box B
F3600-012070-1	Compressed air hose 8/14 with quick-release, 3 m	1	Box B
	Five-footed stand with feet	1	Box C
	Lower stand with storage platform	1	Box C
	Upper stand with storage platform	1	
	Attachment for anaesthesia apparatus	2	Box B
M7835-292068-2	Support for patient tubes	1	Box C
M7835-990398-8	Rubber bladder 3 litres	2	Box B
F3600-0120545	Grommet 30 mm (silicon)	2	Box B
M7835-990288-1	Connector piece, plastic ISO	1	Box B
M1536-165308-6	Rubber seal 10. 3 x 2,4	2	Box B
M1536-165405-0	Rubber seal 22. 2 x 2,3	2	Box B
F3600-012073-5	Expansion hose PVC 2/4, 1 meter	1	Box B
F3600-012076-8	Simmering	1	Box B
M2486-840334	Fuse 1A	10	Box B
M2486-840806-9	Fuse 100mA	10	Box B
F3600-012052-9	Membrane bladder 2 x 10 kit	2	Box B
	Spirometer US-1000	1	Box A10
	Folded tube with attachments for spiro	1	Box A
	Fluidistor	1	A7

Technical data Ventilator + spiro 1162800

Compressed air pressure	0,2-0,8 Mpa (2-8 bar)
consumption	
at re-breathing	= minute volume
at non-re-breathing (normal adjustment)	about 2 times minute volume
Electricity supply	220 V 50 Hz
Running time with battery	24 hours
Breathing frequency	8-40/min
Inspirations time, in percent of time per breath	10%-90%
Minute volume	
at re-breathing	2-18 l/min
at non-re-breathing	0-23 l/min
Emptying pressure (non-re-breathing)	70-100cm H2O
Safety valve,	
adjustable	0-70H2O
PEEP (final expiratory pressure at non-re-breathing)	0-20cmm H2O
Weight	9,7kg
H ₂ O Size	breadth 410 mm, deep 250 mm, height 155



RESPIRATOR ENGSTRÖM 300

Manufacture typ	Engström 300
Manufacture	Gambro Engström AB
Made in	Sweden
Part number.	1156700
Production year	1981
Comment´s	Can be used as a "stand alone" ventilator. It does no need air supply.



Contents list RESPIRATOR ENGSTRÖM 300

<u>Part number</u>	<u>Description</u>	<u>Qty</u>	<u>Part number</u>	<u>Description</u>	<u>Qty</u>
115 67 00	Respirator Engström 300	1	52-41554-00	Contents of rubber seal set	
52-41553-00	Sterilized filter	1	03-37177	Rubber seal	1
52-41552-02	Sterilized filter with holder	1	03-37417	Rubber seal	1x3
	Thermometer Bennet	1	03-37097	Rubber seal	1x2
	Flex tube	1	03-41601	Rubber seal	1
52-46456	Oil	1	03-37327	Rubber seal	1x2
52-41554-00	Rubber seal set	3	03-37147	Rubber seal	1
52-41473-00	Rubber bladder yellow	1	03-37116	Rubber seal	1x8
52-41474-00	Rubber bladder svart	1	03-37037	Rubber seal	1
52-40551-00	Membrana	1	03-37466	Rubber seal	1
56-10827-00	Y-piece plastic	1	03-37537	Rubber seal	1
56-10826-00	Y-piece plastic angled	1	03-37526	Rubber seal	1x10
52-44120-00	T-valve steel	1	03-37137	Rubber seal	1x6
52-46411-00	Rubber bladder kit, yellow	1	03-37437	Rubber seal	1
52-46963-00	Rubber bladder kit, black	1	52-40551-00	Membrana	1x4
52-413 80-05	Tube	1	52-41151-00	Rubber sleeve	1
52-44100-00	Tube set	2	52-40590-00	Rubber sleeve	1
52-17611-00	Stand telescopes	1	52-46963-00	Contents of rubber sleeve kit, black	
52-17614	Stand frame	1		Rubber bladder with steel support for membrane	1
	Humidifier	1	53-54194-00	Connection ring	1
	Tube, blue with connections	1		Hose with tube nipple	1
	Tube, white with connections	1		Screw	2
	Patient tray	1		Instructions	1
	Instruction Manual	1		Tube PVC	1
	Engström 300 Instruction Manual	1			
	Instruction Manual Cascade	1	52-46411-00	Contents of rubber bladder, black	
	Humidifier			Rubber bladder, yellow	1
				Silicon grease MS4	1
			52-40589-50	Valve	1
			52-44100-00	Contents of tube kit	
				Y-piece plastic	1
				Y-piece plastic angled	1
				V-bladder, plastic	2
				Rubber tube 1100 mm	1
				Tube with screw connection 1100 mm	1
				Tube with screw connection 750 mm	1
				Tube with screw connection at both ends 450 mm	1

Technical data RESPIRATOR ENGSTRÖM 300

Breathing frequency	12-35
Inspiration-Expiration ratio	1:2
Dosage of air or rebreathing gas	0-30 l/min
Variable end expiratory pressure	0-20 cm H ₂ O
Variable end expiratory resistance	0-∞
Venturi (neg. expiratory pressure)	0-10 cm H ₂ O
Rotameter O ₂	0-15,0-5 l/min
Rotameter N ₂ O	0-10 l/min
Dosage of air or rebreathing gas	0-30 l/min
Emptying pressure	50-110 cm H ₂ O
Weight	130 kg
Power	220-240 V



EMERGENCY KIT

Part number. 81168550
Production year 1993

Contents list EMERGENCY KIT

Emergency handbag	1
Stethoscope	1
Laryngoscope	1
Spatula nr 1	1
Spatula nr 2	1
Spatula nr 3	1
Extra lamp to laryngoscope	1
breathing apparatus	1
blood-pressure gauge	1



INSTRUMENT HOSPITAL WARD

Part number. 8116980



Contents list EMERGENCY KIT

<u>Description</u>	<u>Qty</u>
DRAPE CLAMP	3
MOUTH CATCH	1
NAIL RINSE	2
NAIL PLIERS	1
NEEDLE THREAD	3
BROW MIRROR	1
CLAMP STRAIGHT 14 CM	1
CLAMP STRAIGHT 15 CM	1
CLAMP STRAIGHT 18 CM	3
CLAMP CLAW 14 CM	4
CLAMP SEVERAL KINDS	5
TWEEZERS ANATOMICAL 13 CM	3
TWEEZERS ANATOMICAL 17 CM	1
TWEEZERS ANATOMICAL 20 CM	2
TWEEZERS SEVERAL KINDS	10
TWEEZERS CLAW 3x4	3
RAZOR	2
RESECTION HOOK	1
SCISSORS, SURGERY, SEVERAL KINDS 15 CM	7
SCISSORS BANDAGE	3
ACISSORS SEVERAL KINDS	2
THROAT PLIERS	1
BOWL STAINLESS	4
WOUND SYRINGE	2
WOUND LADLE	1
WOUND HOOK	4
TONGUE SPATULA	2