User's Manual

B-life / Pro B-life / Co B-life

Manual resuscitators with R Valve

B-life

Pro B-life

Co B-life

CE 0123 This appliance conforms with the Directive 93/42/CEE "Medical Devices"

Guarantee of Quality system for the production and the final control of the products certified by the notifying body TÜV SÜD Product Service GmbH

INDEX

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Thank you for choosing a Spencer product

1. GENERAL INFORMATION

1.1 Aim and contents

The aim of this manual is to supply all the information necessary so that the client, will not only attain adequate use of the appliance, he will also be capable of using the instrument in the most autonomous and secure way possible. This includes information regarding technical aspects, functioning, maintenance, spare parts and safety.

1.2 Conservation of the instruction and maintenance manual

The instruction and maintenance manual must be kept together with the product, for the whole life of the device, inside a dedicated container and above all, away from any substances or liquids which could compromise perfect legibility.

1.3 Symbols used

Symbol	Meaning
	General or specific warnings
	See instructions for use
LOT	Lot number
REF	Product code
CE 0123	The product is compliant with the specifications of the Directive 93/42/CEE
	Single use

1.4 Servicing request

For any information regarding the correct interpretation of the instruction manual, the use, maintenance, installation and restore of the product, please contact the Spencer Customer Care Service tel. 0039 0521 541111, fax 0039 0521 541222, e-mail service@spencer.it or write to Spencer Italia S.r.l. – Via Provinciale, 12 - 43038 Sala Baganza (Parma) - ITALY. In order to facilitate the assistance service, please always indicate the lot number (LOT) shown on the label applied on the box or on the device.

1.5 Demolition

When the devices are no more suitable for being used, if they haven't been contaminated by any particular agents, they can be disposed of as normal solid waste, otherwise follow the current regulations about demolition.

1.6 Labelling

Each device has got an identifying label, positioned on the device itself and/or on the box. This label includes information about the manufacturer, the product, the CE mark, the lot number (LOT). It must never be removed or covered.

2. WARNINGS

2.1 General warnings

- The product must be used by trained personnel only, having attended specific training for this device and not for similar products.
- Training routines must be registered on a special register in which the names of those trained, of the trainers, date and place are indicated. This register which will certify the eligibility of the operators to use the Spencer device has to be kept for a period of 10 years after the disposal of the device itself. This register will be made available to the competent authorities and/or manufacturer if requested.
- Spencer Italia S.r.l. is always at your disposal to plan trainings on products.
- Before carrying out any kind of operation on the appliance (training, installation, use), the operator must carefully read the enclosed instructions, paying particular attention to the correct safety precautions and to the procedures to be followed for installation and for correct use.
- If the instructions belong to another device and not to the device received, inform the manufacturer immediately and avoid use of the device.
- In case of any doubts about the correct interpretation of the instructions, please contact Spencer Italia S.r.l. for any necessary clarifications.
- Do not allow untrained persons to help during the use of the device, because they could cause damage to the patient or to themselves.
- Regularly check the appliance, carry out the prescribed maintenance and respect the average life span, as indicated by the manufacturer in this user's manual.
- Before each use of device the perfect operating state of the device must be checked as specified in the instruction manual. If any damage or abnormalities which could in any way influence the correct functioning and the safety of the device, of the

patient and of the user are detected, the device must be immediately removed from service and the manufacturer must be contacted.

- If any failure or incorrect functioning of the device is detected, it must be immediately substituted with a similar item so that the rescue procedures are guaranteed without any interruption.
- Use of the device in anyway other than described in this manual is forbidden.
- Do not alter or modify in any way the appliance; any such interference could cause malfunctions and injury to the patient and/or rescuer.
- The appliance must not in any way be tampered with (modification, adjustment, addition, replacement). In such cases all responsibility will be denied for any malfunctions or injuries caused by the appliance itself; moreover CE certification and product warranty will be considered void.
- Those who modify or have modified, prepare or have prepared medical appliances in such a way that they no longer serve the purpose for which they were intended, or no longer supply the intended service, must satisfy the valid conditions for the introduction onto the market.
- Handle with care.
- Ensure that all the necessary precautions are taken in order to avoid the hazards that can arise as the result of contact with blood or body fluids.
- Register and store with these instructions: lot number, place and date of purchase, first date of use, date of checks, name of users, any comments.
- When the device is being used, the assistance of qualified staff must be guaranteed.
- Do not store the device underneath any heavy objects which could cause structural damage.
- Store in a cool, dry, dark place and do not expose to direct sun.
- Store and transport device in its original packaging.
- The device not be exposed to or come into contact with any source of combustion or inflammable agents.
- Position and adjust the device taking care not to cause any obstruction to rescuers and or any other rescue equipment.
- Attention: laboratory testing, post production tests, instruction manuals cannot always consider every possible scenario for use. This means that in some cases the performance of the product could be notable different from results to date obtained. Instructions are continually being updated and are under tight surveillance of fully qualified staffs with adequate technical formation.
- With reference to the D. Lgs. 24th February 1997, n. 46 emended by D. Lgs. 25/01/2010, n. 37 – Acknowledgement of Directive 93/42/CEE and 2007/47/CE, we remind both public and private operators that they are obliged to report any accident that involves any medical device to the Ministry of Health and to the Manufacture as specified and within time given by the European regulations.
- In addition, both public and private operators are obliged to inform the manufacturer of any measures that should be adopted to make the steps necessary to guarantee the safety and the health of the patients and the users o any medical device.
- As a distributor or end user of products manufactured and/or marketed by Spencer Italia S.r.l., you are strictly required to have a basic knowledge of any legal requirements applying to the devices contained in this supply that are in power in the goods final destination Country (including laws and norms regarding technical specifications and/or safety requirements) and therefore you are also strictly required to have the necessary knowledge to guarantee all aspects regarding the total conformity of the products to the regulations in the relevant territory.
- Promptly notify Spencer Italia S.r.l. regarding any revisions to be made by manufacturer in order to guarantee the conformity of the product to the territory's legal specifications (including those resulting from rules and/or norms of other nature).
- Act, with all due care and diligence, and contribute to ensure conformity to general safety requirements of all devices marketed in the territory, by providing final users with all necessary information for carrying out periodical checks on their devices, as specified in the relevant user's manual.
- Actively contribute to product safety checks on products sold, by communicating any relevant risk analysis information both to the manufacturer and to any competent authorities so that the necessary action can be promptly taken.
- The distributor or final user is aware that in the event of any failure to conform to the above mentioned requirements you will be deemed fully responsible for all damages that might occur. Therefore Spencer Italia S.r.l. expressly disclaims any responsibility and/or liability for your non-compliance with the present regulatory provisions.

2.2 Specific warnings

- The manual resuscitators must be used only by operators who have been adequately trained in the techniques of cardio-pulmonary resuscitation (CPR or ACLS).
- The device should not come into contact or be in any way exposed to sources of heat or inflammable agents.
- The oxygen supply in the presence of hydrocarbons will generate an explosive mix.
- Do not use the device in a contaminated atmosphere.
- Do not administrate or enrich with oxygen in the presence of fire or sparks.
- Remove the reservoir if enrichment with oxygen is not necessary.
- Do not use lubricants (e.g. oils or greases) on any part of the manual resuscitator.
- Check the state of the products on opening the product and before each use.
- Do not dismantle the overpressure valve.

2.3 Contraindications and side effects

The use of these devices, if used by operators who have been adequately trained in the techniques of cardio-pulmonary resuscitation (CPR or ACLS), does not present any contraindications or collateral effects.

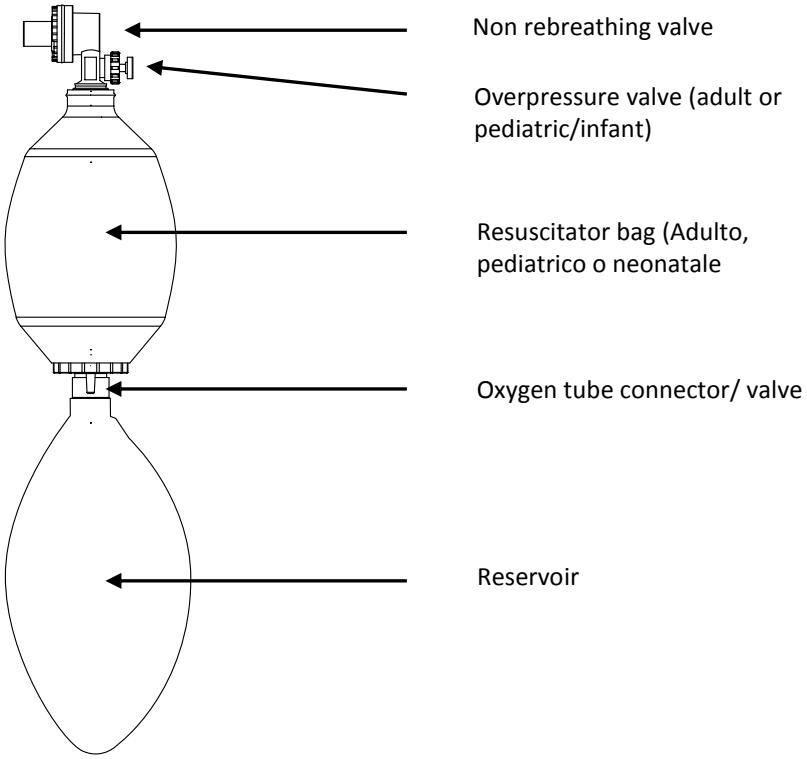
3. DESCRIPTION OF PRODUCT

3.1 Intended use

The manual resuscitators B-life, Pro B-life and Co B-life have been designed to offer adequate assistance to patients during the CPR and assisted ventilation manoeuvres.
They can be used efficiently and safely to maintain pulmonary ventilation in case of reanimation and in other critical situations when spontaneous respiration is insufficient or absent.
The B-BAG manual resuscitators can be used to supply oxygen when connected to a source of oxygen. In order to guarantee a high percentage of oxygen, the manual resuscitator is supplied complete with a valve and reservoir.
The percentage of oxygen supplied to the patient depends on:

- flow
- current volume
- frequency
- technique being used

3.2 Main components



3.3 Models

These basic models could be modified, with reference to codes and/or descriptions without any previous notification.

3.3.1 B-life models (without face mask and reservoir)

BG03020A	B-life – Resuscitation bag in silicone, adult, with R Valve
BG03021A	B-life – Resuscitation bag in silicone, adult, with overpressure valve and R Valve
BG03022A	B-life – Resuscitation bag in silicone, paediatric, with R Valve
BG03023A	B-life – Resuscitation bag in silicone, paediatric, with overpressure valve and R Valve
BG03024A	B-life – Resuscitation bag in silicone, infant, with R Valve
BG03025A	B-life – Resuscitation bag in silicone, infant, with overpressure valve and R Valve

3.3.2 Pro B-life models (without face mask and reservoir)

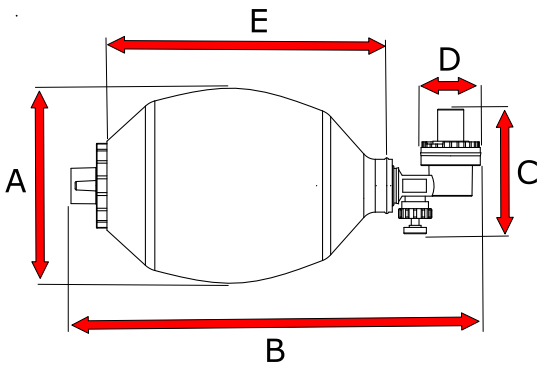
BG02006A	Pro B-life – Resuscitation bag in PVC, adult, with R Valve
BG02007A	Pro B-life – Resuscitation bag in PVC, adult, with overpressure valve and R Valve
BG02008A	Pro B-life – Resuscitation bag in PVC, paediatric, with R Valve
BG02009A	Pro B-life – Resuscitation bag in PVC, paediatric, with overpressure valve and R Valve
BG02018A	Pro B-life – Resuscitation bag in PVC, infant, with R Valve
BG02019A	Pro B-life – Resuscitation bag in PVC, infant, with overpressure valve and R Valve

3.3.3 Co B-life models (without face mask and reservoir)

BG08100A Co B-life – Resuscitation bag in PVC, adult, with R Valve
BG08000A Co B-life – Resuscitation bag in PVC, adult, with overpressure valve and R Valve
BG08101A Co B-life – Resuscitation bag in PVC, paediatric, with R Valve
BG08001A Co B-life – Resuscitation bag in PVC, paediatric, with overpressure valve and R Valve
BG08105A Co B-life – Resuscitation bag in PVC, infant, with R Valve
BG08010A Co B-life – Resuscitation bag in PVC, infant, with overpressure valve and R Valve

3.4 Technical data

Resuscitators		**B-LIFE (silicone)**			**PRO-B-LIFE (PVC)**			**CO-B-LIFE (PVC)**		
Item		**Adult**	**Paediatric**	**Infant**	**Adult**	**Paediatric**	**Infant**	**Adult**	**Paediatric**	**Infant**
Resuscitator		Silicone	Silicone	Silicone	PVC	PVC	PVC	PVC	PVC	PVC
Diaphragm valve		Silicone	Silicone	Silicone	PVC	PVC	PVC	PVC	PVC	PVC
Reservoir bag		PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Overpressure valve spring		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Patient valve		PS	PS	PS	PC	PC	PC	PC	PC	PC
Reservoir valve		PC/Silicone	PC/Silicone	PC/Silicone	PC/Silicone	PC/Silicone	PC/Silicone	PC/Silicone	PC/Silicone	PC/Silicone
Nominal volume	Bag	1600 ml	500 ml	280 ml	1600 ml	500 ml	280 ml	1600 ml	500 ml	280 ml
	Reservoir	2500 ml	2500 ml	600 ml	2500 ml	2500 ml	600 ml	2500 ml	2500 ml	600 ml
Dead space		7 ml	7 ml	7 ml	7 ml	7 ml	7 ml	7 ml	7 ml	7 ml
Overpressure valve		60 ± 5 mbar	40 ± 5 mbar	40 ± 5 mbar	60 ± 5 mbar	40 ± 5 mbar	40 ± 5 mbar	60 ± 5 mbar	40 ± 5 mbar	40 ± 5 mbar
Packing		Not sterile	Not sterile	Not sterile	Not sterile	Not sterile	Not sterile	Not sterile	Not sterile	Not sterile
Max stroke volume		900 ml	250 ml	130 ml	900 ml	250 ml	130 ml	900 ml	250 ml	130 ml
Max cycling rate		45 bpm	100 bpm	95 bpm	45 bpm	100 bpm	95 bpm	45 bpm	100 bpm	95 bpm



	ADULT	**PEDIATRIC**	**INFANT**
A	**130 mm**	**90 mm**	**70 mm**
B	**325 mm**	**245 mm**	**245 mm**
C	**85 mm**	**85 mm**	**85 mm**
D	**50 mm**	**50 mm**	**50 mm**
E	**215 mm**	**135 mm**	**120 mm**

Concentration of oxygen possible: ADULT						
Resuscitation bag volume: 1600 ml				Reservoir volume: 2600 ml		
O_2 Flow	Current volume (ml) for re expansion rhythm of bag/min Concentration of O_2 with reservoir					
L/min	600 x 12	600 x 20	750 x 12	750 x 20	1000 x 12	1000 x 20
05	82 (32)	58 (34)	65 (34)	50 (30)	55 (31)	45 (31)
10	99 (37)	80 (38)	99 (37)	99 (36)	88 (36)	62 (36)
15	97 (46)	97 (45)	97 (46)	97 (44)	97 (44)	90 (46)

Concentration of oxygen possible: PAEDIATRIC			
Resuscitation bag volume: 500 ml		Reservoir volume: 2600 ml	
O_2 Flow	Current volume (ml) for re expansion rhythm of bag/min Concentration of O_2 with reservoir		
L/min	300 x 30	70 x 30	200 x 32
05	45 (33)	96 (66)	59 (38)
10	69 (38)	97 (82)	97 (48)
15	97 (48)	97 (89)	97 (48)

Concentration of oxygen possible: INFANT				
Resuscitation bag volume: 240 ml			Reservoir volume:: 600 ml	
O_2 Flow	Current volume (ml) for re expansion rhythm of bag/min Concentration of O_2 with reservoir			
L/min	20 x 30	20 x 60	40 x 60	70 x 60
05	97 (75)	97 (72)	97 (59)	85 (52)
10	97 (75)	97 (78)	97 (78)	86 (61)
15	97 (95)	97 (92)	97 (82)	97 (73)

3.4 Reference standards

Reference	Title of document
MDD 93/42/CEE	European Directive about Medical Devices
MDD 2007/47/CEE	Modifications to 90/385/CEE Directive about active implants, Directive 93/42/CEE about medical devices and Directive 98/8/CE about the introduction of biocides onto the market
Legislative Decree 24/02/1997, n. 46	Application of the 93/42/CEE Directive about Medical Devices
Legislative Decree 25/01/2010, n. 35	Modifications and additions to the 20/02/97 Decree n. 46
UNI EN ISO 13485	Medical devices – Quality management systems – Requirements for regulamentary purposes
UNI EN ISO 14971	Application of risks managing to medical devices
UNI CEI EN ISO 15223-1	Medical devices - Symbols for use in the medical device labels, labelling and information to be provided. Part 1: general requirements
UNI CEI EN 1041	Information supplied by the medical devices manufacturer
CEI EN 62366	Medical Devices - Application of the utilisation characteristics of engineering to medical devices
MEDDEV 2.4/1a-b	Guideline for the classification of medical devices
NB-MED 2.5.1 /Rec 5	Technical Documentation
MEDDEV 2.7.1	Clinical Data
MEDDEV 2.12/1	Medical Devices vigilance system
UNI EN 14155	Clinical evaluation of the medical devices for human beings - Part 2: Clinical evaluation plans
EN ISO 10651-4	Lung ventilators -- Part 4: Particular requirements for operator-powered resuscitators

3.5 Environmental conditions

Environmental conditions	B-life (silicone)	Pro B-life (PVC)	Co B-life (PVC)
Functioning temperature (°C)	from -18 to + 50	from 0 to +50	from 0 to +50
Storage temperature (°C)	from -30 to +60	from -20 to +50	from -20 to +50

4. OPERATING INSTRUCTIONS

4.1 Transport and storage

Before transporting the appliance, make sure that it is correctly packaged ensuring also that there are no risks of shocks, bumps or falls during the transport itself.

Keep the original packaging for use in case of any further transport and for storage. Damage to the appliance caused during transport and handling is not covered by the guarantee. Repairs or replacement of the damaged parts are the responsibility of the client. The device must be stored in a dry, cool area away from direct sunlight. It must not be placed in contact with any substances or chemical agents which could cause damage and reduce safety characteristics.

4.2 Preparation

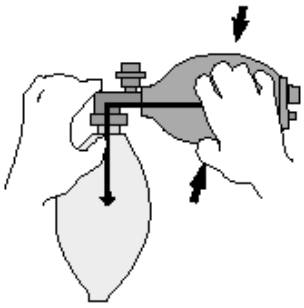
On receipt of the product:

- Remove the packaging and display the material so that all components are visible.
- Check that all the components/pieces on the accompanying list are present.

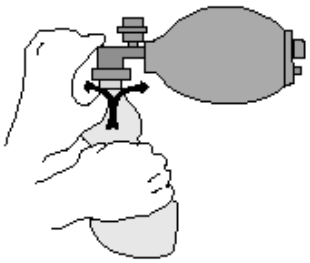
The appliance must be checked before every use so as to reveal any working abnormalities and/or damage caused by transport and/or storage.

4.3 Functioning test

• Patient Valve Test

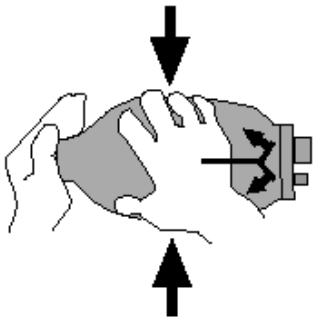


The reservoir should be used for this test:
•Connect patient valve to bag.
•Connect reservoir to patient valve.
•Repeatedly squeeze the bag and check that the reservoir continues to fill and make sure that the air being pumped in is passing through the patient valve in the correct direction.

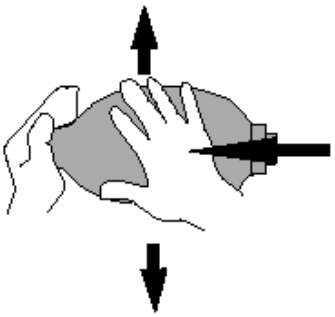


•Using the palm of the hand, squeeze the reservoir and check that the circular membrane on the outer side of the patient valve opens up.
• This procedure checks the flow of air expelled by the patient and avoids it returning into the bag through the patient valve and single direction flow is maintained.

• Suction Valve Test

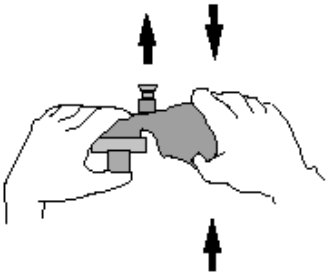


•Squeeze the bag with your hand.
•Close off the opening at the neck of the bag.
•Release the bag. The rapid expansion of the bags, ensures the correct suction/intake of air.
•Using the palm close the opening on the neck of the bag.



•Squeeze the bag.
The correct resistance to compression confirms the correct functioning of the suction valve during the insufflation phase.

• Overpressure valve test



•Close the exit of the patient valve.
•Strongly squeeze the bag several times and test as follows:
In "Adult" mode, the hand should feel adequate resistance and no air should come out of the Overpressure valve; in "Infant" position the air should come out of the valve making an audible sound.

Fig. B

4.4 Use

• Make sure the patient is in a safe place and position the mask over the patient's face and nose and hold it in place with index finger and thumb.
• Using the other hand, ventilate the patient by squeezing rhythmically the bag, as prescribed by your standard area protocols.

Clear the airways removing if necessary any vomit, liquid or foreign bodies that may obstruct them.
Manual resuscitators can be connected to a fix or mobile source of oxygen.

The gas supplied to the patient can be enriched with oxygen:
• Connect a no crush oxygen tube between the connection on the reservoir valve and the flowmeter of the oxygen cylinder or central oxygen supply.
• Regulate the flow so that during the insufflation phrase (patient inspiring) the reservoir fills up completely and it collapses during the expiratory phrase.

• If enrichment with oxygen is not required and/or there is no source of oxygen, remove the reservoir.
• On attaching the resuscitator to the oxygen source make sure that the reservoir expands.
• In a contaminated atmosphere, use only oxygen for patient reanimation.
• The condition of the patient must always be under constant control.
To select the overpressure valve, (if included) press and turn (as shown in the figure).
• Should the overpressure valve become contaminated with blood, vomit or any type of secretion, remove the resuscitator from use and continue to ventilate the patient with the aid of a single direction mouth to mouth mask/valve.
• Before using a mouth to mouth valve we advise to disconnect the resuscitator from the patient and strongly squeeze the resuscitator to remove any liquid from the patient valve.
• Check that the valve is clean and in this case continue to ventilate with the resuscitation bag.
On terminating resuscitation, clean and sterilize (where possible) and test the device as described in this manual.

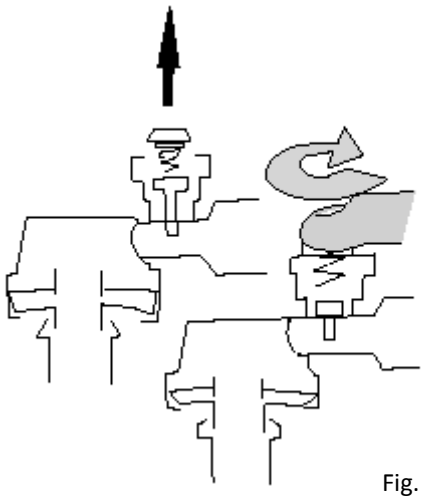


Fig. C

4.5 Troubleshooting

PROBLEM	CAUSE	REMEDY
The chest does not expand correctly during ventilation	Obstructions of the airways caused by foreign bodies	Free the airways by manually removing any foreign bodies
	The head is not correctly extended	Place the patients head in the correct position according to the CPR procedures
	The mask does not adhere perfectly to the patients face	Reposition the mask following the instructions and press slightly to improve adherence
	Air leakage from components of the resuscitation bag	Check that all components of the resuscitator are correctly assembled together
	One of components is damaged	Immediately remove the device from service and contact your Assistance Centre
The mask leaks air even though correctly positioned	The patient has moustache/beard or his skin is sweaty	If the face is sweaty try to clean and dry face. In the case of beard or moustache, increase the pressure on the mask

5. MAINTENANCE AND CLEANING

5.1 Cleaning

During cleaning and assembly of the device, Personal Protection Equipment (PPE) should be used.

After use, clean and disinfect the B-life, Pro B-life e Co B-life manual resuscitator as follows.

Dismantle the resuscitator from the mask and wash all parts with water and a mild detergent. Make sure that the detergent is compatible with the material of the resuscitator. Rinse under running warm water making sure to remove all traces of detergent.

Do not remove the overpressure valve as it could cause permanent damage.

The reservoir is a single use product and cannot be sterilized. Dispose after use.

Cleaning method	B-life (silicone)	Pro B-life (PVC) single use	Co B-life (PVC) single use
Boiling for 6 minutes	Yes	No	No
Autoclave maximum Ref.UNI EN 554	Yes	No	No
Autoclave rubber cycle Ref.UNI EN 554	Yes	No	No
Ethylene oxide Ref.UNI EN 550	Yes	No	No
Liquid sterilizer	Yes	Yes	Yes

Failure to carry out correctly the cleaning procedure could be a cause of cross infection due to the presence of secretions and/or residuals on the device.

5.2 Maintenance

5.2.1 Precautionary maintenance

The person who carries out the precautionary maintenance of the appliance (user in person, Manufacturer/supplier or a third party) has to guarantee the following basic requirements:

- Technical knowledge of the appliance and of the periodic maintenance procedures as described in these instructions.
- Specific qualifications and training in the maintenance operations of the appliance in question.
- The use of components/replacement parts/accessories that are either original or approved by the supplier, in such a way that each operation causes no alteration or modification to the appliance.
- Possession of the checklist of operations carried out on the appliance.
- Guarantee complete adherence to the instructions of the Directive 93/42/CEE which includes also the obligation towards the Manufacturer to maintain post sales records and traceability of the appliance if requested.

The operator must always wear adequate personal protection such as gloves and mask etc. during all checking and cleaning procedures.

Checks to be carried out before and after each use, and at least every 3 months, are as follows:

- General functionality of the device
- Cleanliness of the device (remember that the failure of cleaning may cause the risk of cross infections)
- Absence of cuts, holes, tears on the structure
- Status of wear and damage to the device due to the number of sterilization cycles undergone.
- Expiration date or average life span, if any.

Planned interventions by the Manufacturer or authorized center are not required, but it is prescribed to make cleaning and checking indicated in the specific sections "Cleaning" and "Precautionary Maintenance".

If the correct revision is not carried out, the CE branding will no longer be considered valid as the product will no longer be compliant with the 93/42/CE Directive for Medical Devices and consequently it is no longer compliant with the safety standards declared by the Manufacturer at time of purchase.

For disposable devices is necessary to check the expiration date/life span, but there are no cleaning and maintenance activities, being non-reusable devices.

5.2.3 Special servicing

Only the Manufacturer or centres with written authorisation are authorised to complete any special servicing operations.

For any operations that are not carried out directly by the Manufacturer but by an authorised centre, we have to underline that a report regarding all operations carried out must be requested. This will permit both Spencer Italia S.r.l. and the end user to keep a log book regarding the operations carried out on the device.

The device, if used as indicated in the following instruction manual, has an average life span of 5 years.

Spencer Italia S.r.l. will accept no responsibility for the incorrect functioning and/or damage caused by the use of any device which has not been repaired, or certified on expiry date by the Manufacturer or by one of the Manufacturer's Authorised Service centres, making void both the guarantee and the conformity to the Medical Devices Directive 93/42/CEE.

6. ACCESSORIES AND SPARE PARTS

6.1 Accessories and spare parts

RM20400A	Spencer Mask – Face masks in polysulphonate size 0 soft
RM20800A	Spencer Mask – Face masks in polysulphonate size 0
RM20802A	Spencer Mask – Face masks in polysulphonate size 2
RM20804A	Spencer Mask – Face masks in polysulphonate size 4
RM20805A	Spencer Mask – Face masks in polysulphonate size 5
RM20810B	Spencer Mask Kit – Face masks in polysulphonate, four sizes
RM20400A	Spencer Mask – Face masks in polycarbonate size 0 soft
RM20700A	Spencer Mask – Face masks in polycarbonate size 0
RM20702A	Spencer Mask – Face masks in polycarbonate size 2
RM20704A	Spencer Mask – Face masks in polycarbonate size 4
RM20705A	Spencer Mask – Face masks in polycarbonate size 5
RM20710B	Spencer Mask Kit – Face masks in polycarbonate, four sizes
RM20400B	B-life – Face masks in silicone size 0
RM20401B	B-life – Face masks in silicone size 1
RM20402B	B-life – Face masks in silicone size 2
RM20403B	B-life – Face masks in silicone size 3
RM20404B	B-life – Face masks in silicone size 4
RM20405B	B-life – Face masks in silicone size 5
RM10860A	Air Cuffed Mask – Single patient mask without valve , PVC, size 0, 10 pcs
RM10861A	Air Cuffed Mask - Single patient mask without valve, PVC, size 1, 10 pcs
RM10862A	Air Cuffed Mask - Single patient mask without valve, PVC, size 2, 10 pcs
RM10863A	Air Cuffed Mask - Single patient mask without valve, PVC, size 3, 10 pcs
RM10864A	Air Cuffed Mask - Single patient mask without valve, PVC, size 4, 10 pcs
RM10865A	Air Cuffed Mask - Single patient mask without valve, PVC, size 5, 10 pcs
RM10870A	Air Cuffed Mask - Single patient mask with valve, PVC, size 0, 10 pcs
RM10871A	Air Cuffed Mask - Single patient mask with valve, PVC, size 1, 10 pcs
RM10872A	Air Cuffed Mask - Single patient mask with valve, PVC, size 2, 10 pcs
RM10873A	Air Cuffed Mask - Single patient mask with valve, PVC, size 3, 10 pcs
RM10874A	Air Cuffed Mask - Single patient mask with valve, PVC, size 4, 10 pcs
RM10875A	Air Cuffed Mask - Single patient mask with valve, PVC, size 5, 10 pcs
EV60030C	EVX 30 PEEP valve, autoclavable
EV60032C	EVX 32 PEEP valve, single patient
EV50010C	EVX 10 Non-rebreathing valve, single use
EV50012C	EVX 12 Non-rebreathing valve, autoclavable
EV50007C	EVX 07 Non-rebreathing valve, autoclavable, paediatric/infant 40 cmH_2O
EV50008C	EVX 08 Non-rebreathing valve, single use, paediatric/infant 40 cmH_2O
EV50009C	EVX 09 Non-rebreathing valve, single use, adult 60 cm H_2O
EV50011C	EVX 11 Non-rebreathing valve, autoclavable, adult 60 cm H_2O
BG03094A	OX V/R Oxygen aspiration valve and reservoir, adult/paediatric, autoclavable for B-life
BG02032A	OX V/R Oxygen aspiration valve and reservoir, adult/paediatric, single use for Pro B- life and Co B- life
BG03095A	OX V/R Oxygen aspiration valve and reservoir, infant, autoclavable for B-life

It is absolutely important to indicate if the replacement parts are needed for adult, paediatric or infant sizes.