SpaceStation

Instructions for Use

XXXXXX XXXXX

B BRAUN
SHARING EXPERTISE

CONTENTS

PATIENT SAFETY

Important Information and Notes for Patient Safety

- Attention: Consult accompanying documents!
- Read Instructions for Use prior to use.
- The user must check functional safety and integrity of the Space System.
- Prior to use check functions of the Space System: Valid only for Space System.*
  (*Gilt nur für das Space System.)
- Functional tests and Technical Safety Checks have to be carried out separately for all additional connected devices.
  Check and set up connections to mains and further plug connections.
- Check if mains voltage corresponds to indication on the type plate!
- Netzspannungsangabe auf Typenschild beachten!
- When connected, check staff call (simulate alarm, staff call must react).

Warnings:

- Use of the Space System only by qualified staff.
- Use Space System only when you are instructed to work with and familiar with it.
- This Instructions for Use is part of the Space Systems necessary for proper use.
- The Instructions for Use has to available at the Space System.

Proper Use:

- The modular Space System is made for treatment of a single patient. It is especially designed for use on Intensive Care Units and Operating Theatres. The Space System is used in hospital. Operation mainly by physicians and medically qualified nursing staff.
- Check if the current software and hardware version of the components of the Space System are the same as this Instructions for Use refers to.
- At fm mobil, accessory for mobile use, it is not permitted to use short stands, as the centre of gravity of the Space System may change.
- Insert receptacle suspension of the fm mobil before transport.
  Check stability and secure position, especially when fastening the system to the fm mobil.
- Prevent the fm mobil from rolling away on horizontal surfaces by using the locking device. If there is an incline of more than 5°, additional locking is necessary.
- When the pumps in the Space System are switched off the control systems are not active. Therefore, close roller clamp or selector valve at the connection point to prevent uncontrolled backflow.
- Do not plug the power supply lead into the socket before connecting all the other interfaces!
- The Space System is designed for operation with a single power supply connection per pillar.
- All configurations must comply with IEC/EN 60601-1-1.
- Possible explosion hazard if used in presence of flammable anesthetics!
- Use only compatible combinations of equipment, accessories, working parts and disposables.

- Use only original spare parts. Functional safety is only guaranteed if by the manufacturer recommended resp. compatible disposables are used.
- Read carefully Instructions for Use of the infusion pumps and infusion syringe pumps used.
- Application of infusion and infusion syringe pumps only under regularly supervision by specially trained staff.
- The user must make sure the pumps and other components of the system are locked correctly.
- Do not deposit things on the pumps. Avoid leaning on the pumps!
- The connecting leads must be laid so that people do not stumble over them and work with the Space System is not hampered.
- Do not place disposable near the connections of the pumps – use hose routings.
- Make sure the pumps are inserted and removed correctly.

Transport:

- With max. 4 pumps. Be especially careful when a patient is connected. Avoid external mechanical action!

Only for use of:

- Infusomat® Space
- Infusomat® Space P
- Perfusor® Space
- SpaceControl
- SpaceCom

- Some components have further Instructions for Use or assembly instructions, which need to be observed.
- Therapeutic or diagnostic conclusions must not be based exclusively on values displayed on infusion pumps or data available via interfaces.
- The Space System should only be operated in areas which are well protected against vibration, dust corrosive and explosive gases, extreme temperatures and humidity. To guarantee sufficient air circulation for cooling the system, there should be at least 5 cm of clear space around the system. Do not cover the ventilation slots. The equipment must be free of condensate during operation.
- When equipment with high electro-magnetic radiation is used at the same time (e.g. digital telephones, X-ray apparatus, MRI, etc.) interference may occur. This may lead to display trouble or implausible values may be indicated. If these problems are due to electro-magnetic interferences, the following measures may help to avoid or solve them:
  - Avoid using devices which are not necessary from the medical point of view (e.g. mobile telephones).
  - Extend distance between source of interference and the medical product.
  - Alter position of power supply leads, connection leads and electrodes.
- The EMC-limits (electro-magnetic compatibility) according to IEC/EN 60601-1-2 and IEC/EN 60601-2-24 are maintained. If the equipment is operated in the vicinity of other equipment which may cause high levels of interference (e.g. HF surgical equipment, nuclear spin tomography units, mobile telephones) maintain the recommended

protective distances for these devices.

- The Space System should not be exposed to excessive magnetic fields (e.g. in an MRI room). If necessary, longer infusion lines can be used. When using a defibrillator, precautions must be observed which can be found in the documentation for the defibrillator.
- In any case of central alarm (e.g. from staff call) it is necessary to check which infusion pump caused the alarm. Only the specified alarm caused by the infusion pump is relevant for safety.

Parallel infusion:
Compared to single infusions increased bolus volumes and alarm delay times may occur!
Therefore:
If possible, select low pressure settings.
Pay attention to bigger bolus volumes und alarm delay times.
When removing sealing, do not let the bolus reach the patient.
A bolus reduction may lead to an underdosage of the drug when starting the infusion again.
Recommendation: bolus reduction by opening the outward conducting system.
The bolus reduction may lead to dosage variations.
Higher personal supervision with critical drugs.
Immediate reaction in case of alarm!
When switching off a pump temporarily bolus administration is possible due to enrichment of concentration at reduced flow.

International safety standards:
The Space System complies with:

- IEC/EN 60601-1,
- IEC/EN 60601-1-1,
- IEC/EN 60601-1-2 as well as
- IEC/EN 60601-2-24

and is marked in compliance with EU-Directive 93/42 EWG CE.

B. Braun Melsungen AG is certified according to DIN EN ISO 9001 and DIN EN ISO 13485.

This certification also includes maintenance and service.

The visible LED's comply to class 1 LED products according to IEC/EN 60825-1.

The B. Braun Space System is a flexible filing and communication system for the medical workplace, in particular the intensive medical care, which substantially contributes to the safety of its patients.
It serves the perspicuous accommodation of the infusion and infusion-syringe pumps Infusomat Space, Infusomat Space P and Perfusor Space, whose concrete application is the medical professional decides on based upon guaranteed characteristics and technical data. The column and mounting system synchronized system components enables the individualized workplace design.

The Space System is flexible due to fast and space saving assembly and disassembly as well as the possibility to use it as a mobile, wall or ceiling unit.

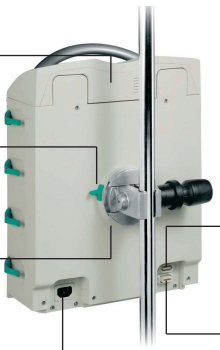
Fur further descriptions as well as assembly resp. disassembly please see this Instructions for Use.

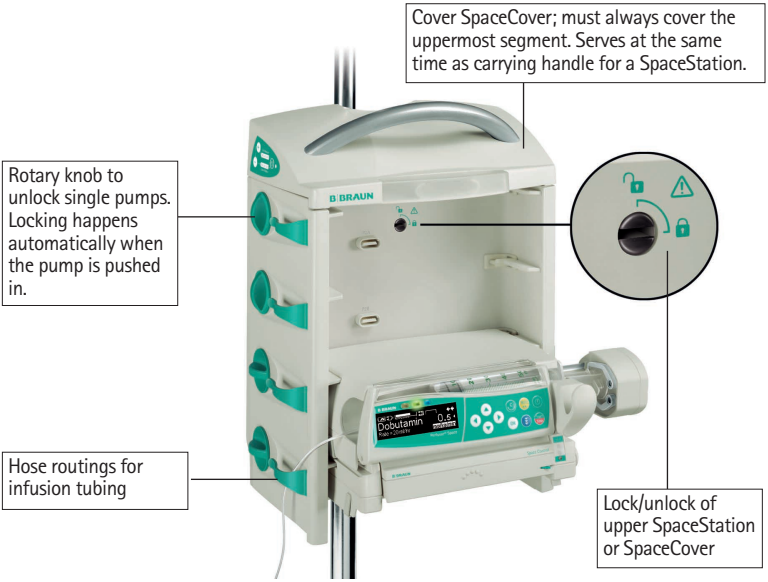
Transport damages:
Inspection on delivery. Despite careful packaging, the risk of transport damage cannot be entirely prevented. Upon delivery, please check that nothing is missing. Do not use a damaged device. Contact the service department.

Packaging:
Packages are designed in a way that:
- electrostatic charges are prevented and
- batteries on printed boards cannot be discharged.

THE SPACESTATION IN DETAIL

SpaceStation serves to accommodate up to four infusion and infusion syringe pumps. The single SpaceStations can be assembled to form one or up to three columns which are separated from each other. The individual columns require their own mains supply and are interconnected with each other via special extension cables. Every column must be closed with a cover, SpaceCover Standard or Comfort, to ensure safe and complete system functionality.





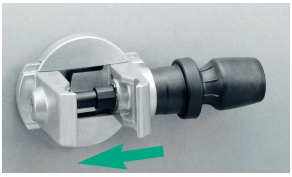
Caution: Every SpaceStation or one column consisting of several SpaceStations must be covered with a lid. This lid protects the upper connections from humidity and damage and ensures perfect system functionality.

The SpaceStation and the individual pump are connected to each other via the connectors F2A to F2D. The plugs are to be protected from damage and humidity.

1.1 Fastening a Single SpaceStation

Every single SpaceStation can be attached to infusion poles and vertical tubes, e.g. ceiling suspension, as well as to horizontal wall rail systems without need of any further adapters or assembly auxiliaries. The rear universal clamp can be rotated and has a quick-action mechanism. By pulling the release ring back, the slide can be moved freely and prepositioned. Now the SpaceStation can be definitely fixed by means of the set screw.

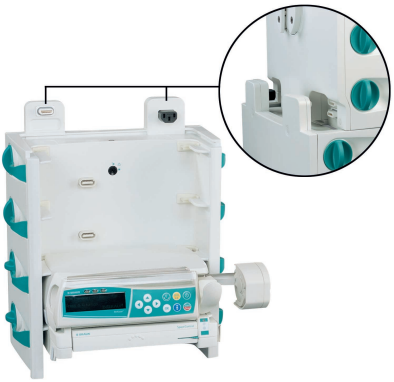
Caution: Make sure that the SpaceStation is fastened correctly and safely after assembly. Do not use tools to tighten the screw !



By pulling the release ring back, the slide can be moved freely for prepositioning

1.2 Assembly and Disassembly of Columns

The upper segment is pushed on the lower segment from the front and fixed with the locking in the lower segment.



To release, move the locking button in the corresponding position and take out the upper segment to the front.

Caution: Every single SpaceStation must be fixed to a fastening tube by means of a fixation clamp.

1.3 Combining Individual SpaceStations

To mount one or multiple columns the single SpaceStations can be assembled easily and without any difficulties without requiring any special assembly tools.

The admissible combinations are listed in the following table:

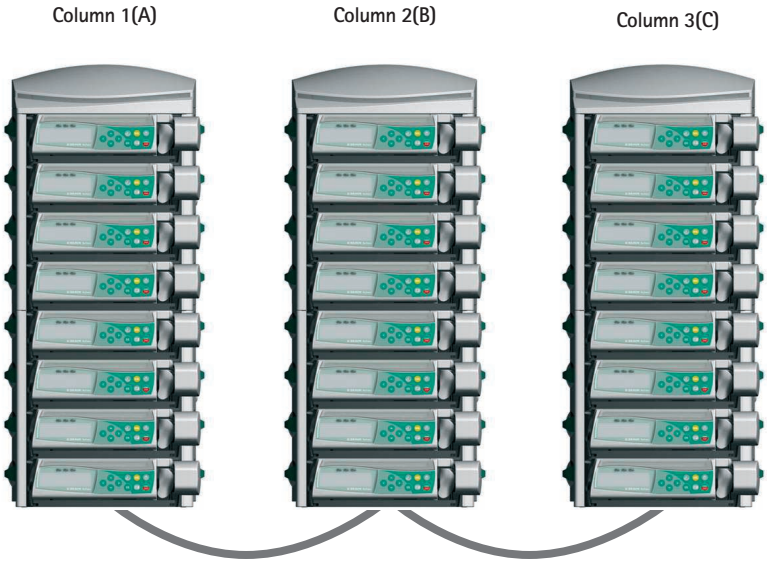
	1 Column	2 Columns		3 Columns		
	A	A	B	A	B	C
SpaceCover Comfort	1	1	(1)	1	(1)	(1)
SpaceCover Standard	(1)	(1)	1	(1)	1	1
SpaceStation	1 ... 6	1 ... 5	1 ... 5	1 ... 4	1 ... 4	1 ... 4
Restriction	$A \leq 6$	$\sum A + B \leq 6$		$\sum A + B + C \leq 6$		

(x) alternative usage possible A,B,C number of SpaceStation in one pillar

Caution: Other configurations, such as more than three columns or exceeding the number of SpaceStations within a column, are not permitted and result in configuration error.
If a system consists of several columns, these should be arranged logically and physically from left to right.

Extension lead SP 60 or 120 cm. The lead is connected to F4 in column 1 and then to F3 in column 2.

Every single column must be covered with a SpaceCover standard or SpaceCover comfort. If a with two or three pillars build up and only one SpaceCover comfort is used in this combination all alarms and status information are displayed at this Cover. In case every pillar is covered with a SpaceCover comfort the status and alarm information are shown at the corresponding cover.



Extension lead SP 60 or 120 cm. The lead is connected to F4 in column 1 and then to F3 in column 2. Column 2 and 3 are interconnected with each other via F3 and F4.

COMBINATION OF PUMPS WITHIN A SPACESTATION

The following pumps and modules can be combined within a SpaceStation.:

- 4 pumps; Infusomat or Perfusor Space and optional SpaceCom
- 3 Space pumps and 1 SpaceControl and optional SpaceCom
- 2 Space pumps and 2 SpaceControl and optional SpaceCom
- 4 Space pumps and 1 SpaceControl, attached to the lowest pump in the system*.

Caution: This configuation is only permitted for one SpaceStation without integrated SpaceCom. An operation as gantry version is **not allowed. Danger of tipping ! Operation is only allowed if mounted at stabil infuison pole.**

INSERTING AND REMOVING INDIVIDUAL PUMPS

The guide rails of the SpaceStation must engage in the guide grooves of the pump. The pump is then pushed with light pressure into the Space Station. The pump is automatically locked in the system. The locking is to be recognized by the horizontal position of the side rotary knob.

To release, turn the knob clockwise in the vertical position and remove the pump. After release the pump is held in the SpaceStation by the guide rails, but can drop easily due to strong vibrations or during transport.

Caution: If a SpaceStation is used to transport infusion pumps make sure that the pumps are correctly seated in the system.

A combination of Space pump and SpaceControl is installed in the SpaceStation in the same way. In this case pump and SpaceControl are automatically and individually locked. Before removal, first release the pump and then SpaceControl and then remove both systems. For detailed information please refer the instructions for use of SpaceControl.

SPACECOVER STANDARD

The SpaceCover Standard does not contain any additional electronics. It protects the upper connectors from humidity and damage and allows a single SpaceStation to be used as a carrying unit.

Caution: Make sure that the SpaceCover is always correctly fixed. Please refer also to the „Assembly and Disassembly Instructions" of the SpaceStation.

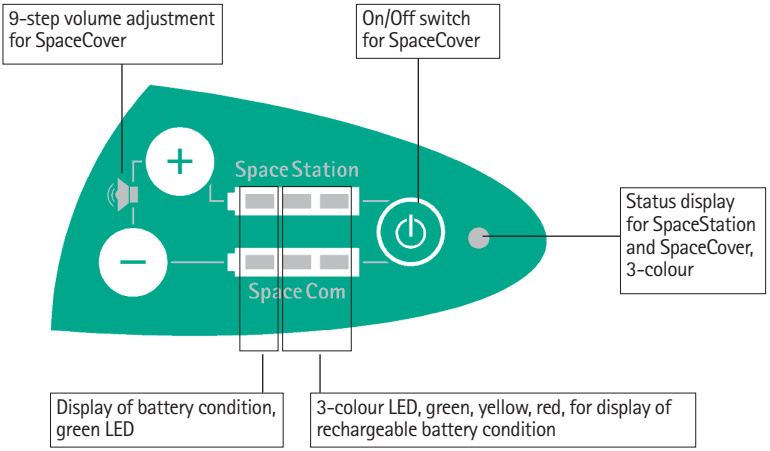
SPACECOVER COMFORT

SpaceCover Comfort offers a greater system functionality and operating facility. The cover is equipped on its front side with a large and very well readable status and alarm display. All status and alarm conditions of the pumps within the system as well as of the pumps themselves are displayed. The following conditions can be indicated:

- green -> OK; at least one pump in operation
- yellow -> prealarm of one pump in the system
- red -> alarm of a pump in the system

Details concerning the single prealarms and alarms are given in the corresponding instructions for use of the pumps.
In addition, a rechargeable battery (the same as with the pumps) can be inserted in the SpaceCover Comfort. This rechargeable battery ensures complete system functionality in case of transport and even at an interruption of the voltage supply. Furthermore a loudspeaker is integrated in the SpaceCover Comfort to output the alarms of the pumps. The volume can be adjusted in nine steps via the operating elements.

5.1 Operating Elements and Status Display on the SpaceCover



5.1.1 Display of Battery Condition

The display elements indicate the condition of the rechargeable battery in the SpaceCover and the SpaceCom. The rechargeable battery for SpaceCom is available as an option.

The following conditions are indicated

Rechargeable battery SpaceStation

	LED left	LED middle	LED right
> 75% capacity	●	●	●
> 50% capacity	○	●	●
> 25% capacity	○	○	●
≤ 25% capacity	○	○	●
< 30 min operating time	○	○	flashing
< 3 min operating time	○	○	flashing
Maintenance required	●	●	●
Maintenance active (capacity > 75%)	●	●	flashing
Maintenance active (capacity > 50%)	○	●	flashing
Maintenance active (capacity > 25%)	○	○	flashing
Maintenance active (capacity < 25%)	○	○	flashing

Rechargeable battery SpaceCom (is only displayed when rechargeable battery is installed)

	LED left	LED middle	LED right
> 75% capacity			
> 50% capacity			
> 25% capacity			
≤ 25% capacity			
Battery flat, switched over to SpaceStation battery			flashing
Maintenance required			
Maintenance active (capacity > 75%)			flashing
Maintenance active (capacity > 50%)			flashing
Maintenance active (capacity > 25%)			flashing
Maintenance active (capacity < 25%)			flashing
Error, change battery			

Battery pre- and end alarms can be acknowledged with the buttons of the volume control "+" and "-". Thereby the audible alarm is prevented, the optical alarm is still displayed. Battery alarms are automatically acknowledged when the system is reconnected to the mains.

5.1.2 Switching On /Off

The On-/Off-switch is only operative in battery mode. When the system is connected to the mains voltage, the system is always activated.

Caution: When the system is not needed and not connected to the mains voltage the SpaceCover should be switched off.

To switch off the system the on/off switch has to be pressed for three seconds. The status LED is flashing for 1 seconds and goes out afterwards.

5.1.3 Volume Control

The volume of the loudspeaker installed in the SpaceCover can be controlled with the buttons "+" and "-". The setting is done in 9 steps, after every new step a high beep signal with the new loudness is given. If the maximum or minimum setting is reached a deep beep is given. The last setting is saved when the system is switched off.

5.1.4 Brightness Sensor

Every SpaceCover Comfort is equipped with a brightness sensor that adapts the brightness of the alarm display in the cover to the environment. The brightness cannot be adjusted manually.

5.1.5 Battery Maintenance Program

To guarantee maximum battery capacity and at the same time a long service life a so-called battery maintenance program is integrated in the system. The battery maintenance is displayed automatically dependent on the operation of the unit. The battery maintenance program can only be initiated when the system is connected to the mains. When the program is running the unit should not be used for transport purposes since otherwise the complete battery running time is not guaranteed The battery maintenance can be triggered separately for the battery of the SpaceCover and SpaceCom.

When maintenance is necessary the status diode green/green/yellow of the respective battery lights up. The maintenance program is started by pressing the On-/Off-button and the "-" button for the SpaceCom or the "+" button for the SpaceCover simultaneously. During maintenance all green LEDs are flashing and go out when the capacity reduces. When the maintenance program is completed, the batteries are recharged.

Caution: When battery maintenance is carried out the unit should not be used for transport purposes since otherwise the complete battery running time is not guaranteed.

5.1.6 Status Display

green	->	The system is operated with mains voltage
yellow	->	The system is operated by battery
flashing red	->	Wrong configuration, check the system setup
red	->	Unrecoverable error, exchange cover.

5.1.7 Self check during start up

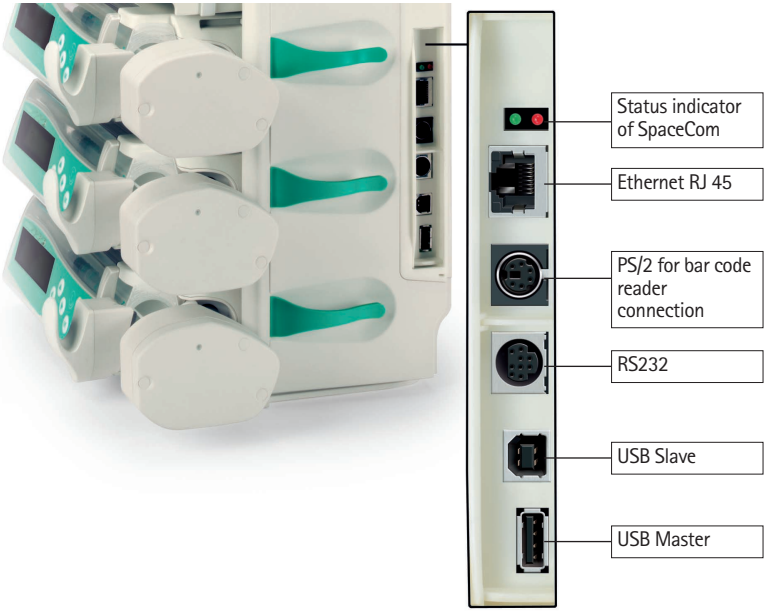
During the start up of the SpaceCover comfort a self check is started automatically. The three LED at the front side are tested in the order red, yellow, green and after this the status indicators of SpaceStation and SpaceCom are tested. All green, yellow and red according to "Display of battery condition"

If one of the front side alarm indicator is defect the red alarm LED and the lateral red status LED are illuminated.

INTERFACES AND DATA COMMUNICATION

SpaceStation does only have a simple interface for integration of the system in Patient Data Management Systems (PDMS).
For enhanced data communication SpaceCom is to be used.
SpaceCom can be retrofitted or ordered as one unit together with SpaceStation ex works. SpaceCom is installed at the side of a SpaceStation and is used as a central communication interface for all pumps in the system.
Details on SpaceCom are given in the separate instructions for use. SpaceCom is provided with different interfaces, such as RJ45, RS232 and USB, for data communication. A Wireless LAN adapter is integrated in the SpaceCom to allow a wireless data transfer. SpaceCom offers a central access to the data of the connected pumps via a standard internet explorer. The information are handled by an integrated WEB-Server application.

6.1 The Connections of SpaceCom



SERVICE

The Space System is to be subjected to a Technical Safety Check with registration in the Medical Device Book every 24 months.

The Technical Safety Checks may only be performed by technicians trained by B.Braun or technical personnel of B.Braun Melsungen AG.
Individual agreements take into account the specific conditions of every hospital.

If required a complete Service Manual can be made available, this, however, only combined with a technical training.

Service advice:

Tel.: Please insert your local telephone number
Fax: Please insert your local fax mail number

Note:
If the Space System is to be integrated in existing wall or ceiling supply systems, please discuss whether this adaptation is permitted with the manufacturer of the supply systems.
The infusion pumps Infusomat® Space and Infusomat® Space P as well as the infusion syringe pump Perfusor® Space are to be submitted to a Technical Check with registration in the Medical Device Book according to the checklist every 2 years.

This 2-year maintenance should be carried out by the service personnel of the manufacturer B. Braun Melsungen AG.

Responsibility of the Manufacturer

The manufacturer, person who assembles, installs or imports the device can only be held responsible for the safety, reliability and performance if...

- ... mounting, enhancements, new settings, changes or repairs are carried out by duly authorized persons,
- ... the electrical installation in the respective room meets the requirements of the VDE 0100, 0107 or IEC regulations,
- ... the system is used in accordance with the instructions for use,

and

- ... the Technical Checks are carried out at regular intervals.

The CE label confirms that this medical device corresponds to the „Directive of the Council for Medical Products 93/42/EC" of June 14, 1993.

GUARANTEE

B. Braun Melsungen AG puts a guarantee of 24 months on every SpaceSystem counted from the delivery date for rechargeable batteries a guarantee of 12 months.

This guarantee includes repair or replacement of defective parts due to constructional, manufacturing or material defects. The guarantee becomes void if the user or third parties make changes to or repairs on the system. Excluded from the guarantee are:

repairs of defects that can be attributed to incorrect manipulations, improper use or normal wear.

The instructions for use of the Space System can also be reordered after the product service life.

8.1 Maintenance

Operate the system only in accordance with the instructions for use.

Check, clean and disinfect the Space System at regular intervals.

Check for cleanliness, completeness and damages.

Only use original spare parts and accessories.

Carry out the Technical Safety Check or maintenance of the Space System with all additional units connected (e.g. PC) every 24 months (see checklist attached).

8.2 Hygienics / Disposal

Clean the Space System with a mild soap-sud. Do not carry out disinfection b spraying at the mains connections.

Recommendation: Disinfectant for disinfection by wiping from B. Braun (e.g. Meliseptol). Let the unit dry for at least 1 minute before starting operation again. Do not spray in system openings (side openings for necessary cooling, power supply input, interfaces etc).

Heed to the disposal and hygienic instructions!

Dispose of the system according to the country-specific regulations. Old units are taken back and removed by B. Braun on request.

The connectors (see Fig. 3.3 system socket F 1-4) are regularly to be checked for contamination (e.g. spilled fluid) and cleaned, if necessary. For safety reasons the system must be disconnected from the mains while it is cleaned.

8.3 Rechargeable Batteries

Charge the battery before initial start-up.

The mean service life of the batteries is approximately 3 years.

Time of recharging: typically 6 h (NiMH).

A longer recharging time does not have any negative effect.

In case of a power failure the system automatically switches over to the rechargeable battery (if existing).

Remove batteries out of the unit if the system is not used for a longer period of time (storage time > 3 months).

If the batteries are stored for longer time, recharge at least once a year is recommended.

The service life of the batteries can be prolonged if they are regularly completely discharged and recharged at the mains.

Rechargeable batteries must be recycled (special refuse).

TECHNICAL DATA

9.1 B. Braun SpaceStation without B. Braun SpaceCom

Type of unit	Type CF, defibrillator-proof
Classification (acc. to IEC/EN 60601-1)	Protection class I
MDD Class	II-b
Protection type	IP 22 (drip protected)
Power supply	Primary: 100 ... 240V 50/60Hz 110V 0,46A / 220V 0,2A3 (mains fuse 2A slow blow) Secondary: 12V DC / 35W (cooling: convection) Duty cycle 100%
External low voltage supply	11 ... 16V DC ⎓ (via Connection Lead SP 12)
Staff call	max. 24V / 1A /24VA (via Connection Lead for Staff Call) floating output Observe VDE0834
Earth leakage current	NC: 10µA SFC: 20µA
Patient leakage current	NC: 0 µA SFC: 10µA
spark protection	acc. to EN 60601-1-2 and EN 60601-2-24
EMC	acc. to EN 60601-1-2 and EN 60601-2-24
Electronic with following functions	
Protection of pump connector	Release of power outlet only if pump is seated in Electronic fuse 12V/1,8A
Interface to SpaceCom	optional device
Protection of SpaceCover	Release of power outlet only if cover is mounted Electronic fuse 12V/1,5A
Configuration of SpaceStation	Dynamic configuration depending of the mounted SpaceStations
Addressing of pumps	Dynamic addressing related to the position of the pump within the system
Interfaces	
Mains power inlet	Standard cable
Outlet of mains voltage	Connector for power supply of the next SpaceStations
Pump connector	4 connectors (F2A..F2D) for Infusomat or Perfusor® Space

Connection between modules	Interconnection of several SpaceStation via plugs F4 and F5
Connection to periphery	Connection of accessories PCA button PR lead Connecting Lead SP (12 V) Interface Lead SP via plug F3
Operating conditions	
Relative humidity	30% ... 90%, without condensation
Temperature	5°C ... 40°C
Atmospheric pressure	500mbar ... 1060mbar
Storage conditions	
Relative humidity	20% ... 90%, without condensation
Temperature	-20°C ... 55°C
Atmospheric pressure	500mbar ... 1060mbar
Weight (w/o Cover , with pole clamp)	3.544 kg
Dimensions W x H x D (without Cover)	290 x 327 x 160 mm
Dimensions W x H x D (with Cover)	290 x 364 x 160 mm

9.2 B. Braun SpaceStation with B. Braun SpaceCom

Like B. Braun SpaceStation without B. Braun SpaceCom with the following modifications

Rated voltages	Primary: 100 ... 240V 50/60Hz 110V 0,6A / 220V 0,3A (mains fuse 2A slow blow) Secondary: 12V DC ⎓ / 42W (with forced ventilation) turn-on duration 100%
Temperature controlled ventilator	Ventilator powers up at 50°C Internal temperature
Inserted SpaceCom	
Power consumption	At 12V approx. 6.5W without battery charge (ca. 3W battery charge)
Electrical isolation	External interfaces have an electrical isolation of 4kV to the SpaceStation
Internal interfaces	Connection for battery pack Connection to FM electronics with CAN-interface to the pumps Compact Flash Steckplatz for WLAN-interface
External Interfaces	USB-Master e.g. for memory sticks USB-Slave for connection of a PC

	Ethernet for integration of network PS2 Interface for barcode reader Serial interface
Optional battery, for power supply of the data module at power failure/transport	
Type of battery	NiMH battery pack (4 x 1.2V / 1.9Ah)
Operating time of battery	approx. 1.5 h
Charging time	approx. 6 h

9.3 B. Braun SpaceCover comfort

Pillar cover of the SpaceStation	Covers outlet of mains voltage of SpaceStation below Makes comfortable carrying of a SpaceStation possible For central alarm of a SpaceStation For power supply of a SpaceStation at power failure/transport
Inserted electronics	
Power consumption	At 12V approx. 1W without battery charge (approx. 3,5W battery charge)
Loud speaker	For central audiblec alarm for SpaceStation
LED luminous fields	For central optical display of status of SpaceStation
Display- and operating unit	Display Status of Battery Cover-battery Display Status of Battery Data module-battery Display Mode of Operation Battery-/Mains operation. Switch on/off of the SpaceStation in batt.ery mode Display of failures Release battery maintenance
Internal Interfaces	Interface to battery Interface to display- and operating unit
External Interface	Interface to SpaceStation
Optional battery, for power supply of the SpaceStation at power failure/transport	
Type of battery pack	NiMH battery pack (4 x 1.2V / 1,9 Ah)
Operating time of battery	approx. 1 h with SpaceCom approx. 10 h without SPACEComdata module
Charging time	approx. 6 h
Weight	0.847 kg
Dimensions W x H x D	261 x 82 x 160 mm

9.4 B. Braun SpaceCover standard

Pillar cover of the SpaceStation	Covers outlet of mains voltage of SpaceStation below Makes comfortable carrying of a SpaceStation possible
Weight	0.573 kg
Dimensions W x H x D	261 x 82 x 160 mm

Single weights

SpaceStation Weight (without SpaceCover, without pole clamp)	3.15 kg
Weight (without SpaceCover, with pole clamp)	3.544 kg
Weight (with SpaceCover Standard, with pole clamp)	4,08 kg
Weight (with SpaceCover Comfort incl. battery, with pole clamp)	4.358 kg
Pole clamp SP	0.360 kg
SpaceCover Comfort (with battery)	0.847 kg
SpaceCover Standard	0.573 kg

B. Braun Perfusor® Space (100 – 240 V) 871 3030
B.Braun Infusomat Space (100 – 240 V)* 871 3050
B.Braun SpaceControl* 871 3090
B.Braun SpaceCom* 871 3160
B.Braun SpaceCover standard 871 3147
B.Braun SpaceCover comfort 871 3145

Recommended accessories for the B. Braun SpaceStation:
Battery-Pack SP (NiMH) 871 3180
PCA Button SP 871 3190
Interface Lead CAN SP 871 3230
Interface Lead RS232 SP 871 3234
Connection Lead SP 12 V 871 3231
Connection Lead for Staff Call SPP 871 3232

* available as of 3rd Quarter 2004

B BRAUN
SHARING EXPERTISE

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Tel (0 56 61) 71-0

Material-No. 3891 7302 • Drawing No. M690700200F04
06/04 • Printed on pulp bleached 100 % chlorine-free

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