

# Technical Data



Space System	
<b>Manufacturer</b>	B. Braun Melsungen AG Carl-Braun-Straße 1, 34212 Melsungen, Germany www.bbraun.com
<b>Quality Management</b>	DIN EN ISO 9001 and DIN EN ISO 13485
<b>MDD Class</b>	IIb acc. to the Directive of the Council of Medical Products 93/42/EC
<b>Classification</b>	♥ Defibrillation-protected; typ CF protection class in accordance with IEC/EN 60601-1
<b>Electromagnetic compatibility EMC</b>	IEC EN 60601-1-2: 1993, IEC EN 60601-2-24: 1998
<b>Technical Safety Check</b>	Every 2 years
<b>Manufacturer warranty</b>	24 month counted from the delivery date. Excluded from the guarantee are batteries and repairs of defects that can be attributed to incorrect manipulations, improper use or normal wear. Space Smart Batteries come with 12 month warranty.


Infusomat® Space, Volumetric infusion pump		
<b>Type of unit</b>	Volumetric infusion pump	
<b>Dimensions</b>	214 x 68 x 124 mm (WxHxD)	
<b>Weight</b>	Approx. 1.4 kg	
<b>Moisture protection</b>	IP 22, drip protected for horizontal usage	
<b>Display</b>	Backlit graphic display, ~40° read angle from all sides	
<b>Keypad</b>	Backlit keys, cell phone like cursor navigation	
<b>Flow Rates</b>	0.1-1200 ml/h	
<b>Accuracy of set delivery rate</b>	<< ±0,5 % mechanical accuracy ± 5 % according to IEC/EN 60601-2-24	
<b>Operating Temperature</b>	+10° C ... + 40° C +50° F ... +105° F	
<b>Voltage</b>	11-16 V DC supplied by external Space Power Supply or by SpaceStation	
<b>Battery operating time</b>	Minimal power consumption of the devices and new battery technology ensure long operating times, e.g. 9.4 hrs. @ 80 ml/h, 8.5 hrs. @ 100 ml/h	
<b>Lifetime</b>	Min. 10 years under continuous duty conditions	

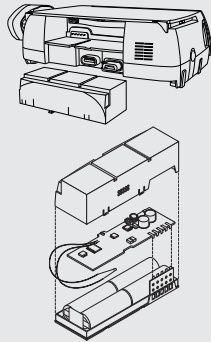
8713050 Infusomat® Space

Perfusor® Space		
<b>Type of unit</b>	Infusion syringe pump, syringe driver	
<b>Dimensions</b>	249 x 68 x 152 mm (WxHxD), drive parked	
<b>Weight</b>	Approx. 1.4 kg	
<b>Moisture protection</b>	IP 22, drip protected for horizontal usage	
<b>Display</b>	Backlit graphic display, ~40° read angle from all sides	
<b>Keypad</b>	Backlit keys, cell phone like cursor navigation	
<b>Flow Rates</b>	0.01-1800 ml/h	
<b>Accuracy of set delivery rate</b>	<< ± 0,5 % mechanical accuracy ± 2 % in compliance with IEC/EN 60601-2-24	
<b>Operating Temperature</b>	+5° C ... + 40° C +41° F ... +105° F	
<b>Voltage</b>	11 - 16 V DC supplied by external Space Power Supply or by SpaceStation	
<b>Battery operating time</b>	Minimal power consumption of the devices and new battery technology ensure long operating times, e.g. 16.8 hrs @ 1 ml/h, 16 hrs @ 5 ml/h, 14 hrs @ 20 ml/h	
<b>Lifetime</b>	Min. 10 years under continuous duty conditions	

8713030 Perfusor® Space

# Technical Data

Space SmartBattery Packs	
<b>Type of unit</b>	High capacity SmartBattery Pack for Infusomat® Space, Perfusor® Space, SpaceCom and SpaceCover Comfort
<b>Handling</b>	Simple tool free replacement by opening the cover of the battery compartment
<b>Cells</b>	four 1.8 Ah NiMH cells
<b>Electronics</b>	Discreet processor / memory PCB that monitors and controls the charging / discharging cycle
<b>Status</b>	Visualization of the actual status as icon  in the main screen (" $>10\%$ ", " $>50\%$ " or " $>80\%$ " of the battery capacity) and as remaining time in hours and minutes
<b>Recharging time</b>	Approx. 3 hours for 80 % of the operation time Approx. 6 hours for 100 % of the capacity
<b>Mechanism to extend battery lifetime</b>	Processor PCB controls the temperature of the cells Embedded battery maintenance software

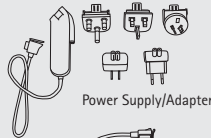


8713180 Space SmartBattery Pack

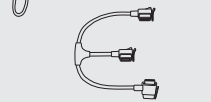
Space Power Supply and Space PoleClamp	
<b>Type of unit</b>	High capacity SmartBattery Pack for Infusomat® Power Supply Space: Voltage supply for up to 3 Space pumps PoleClamp Space: Snap-in-Technique for fast fixation of stacks of up to 3 Space pumps
<b>Fixation</b>	PoleClamp can be attached to infusion poles and vertical tubes (diameter 16–40 mm) as well as horizontal wall rail systems accord. to EN1789
<b>Moisture protection</b>	Power Supply: protected for splash water, IP42
<b>Voltage</b>	100–240 V AC +/-10 % = 90–264 V AC, 50/60 Hz
<b>Adapters</b>	Euro, UK, USA, RSA, India, Korea, China, Australien
<b>Cable length</b>	2 m
<b>Accessories</b>	8713133 Combi Lead 12 V – to connect up to 3 Space pumps to one power supply 8713135 Short infusion stand for Space PoleClamp



8713130 Space PoleClamp



Power Supply/Adapter

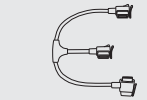


8713133 Combi Lead 12 V

Ambulance cars, helicopters and jets	
<b>Type</b>	12 V adapter cable to connect up to 3 Space pumps to the onboard supply system of ambulance cars, helicopters or jets
<b>Certificates for pumps incl. accessories</b>	EN 1789 Type B: Emergency Ambulance EN 1789 Type C: Mobile Intensive Care Unit EN 13718-1: Air, water and difficult terrain ambulance
<b>Power consumption</b>	max. 20 W for 3 pumps
<b>Accessories</b>	8713231 On-board 12 V supply 8713133 Combi Lead 12 V to connect up to 3 Space pumps

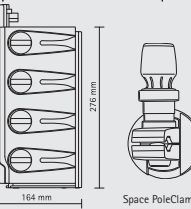
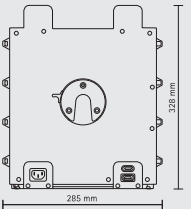
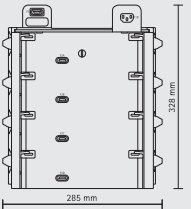
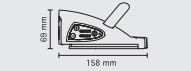
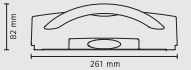


8713231 On-board 12 V supply



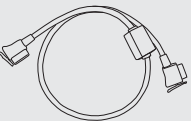
8713133 Combi Lead 12 V

SpaceStation, SpaceCover Standard, SpaceCover Comfort	
<b>Type of Device</b>	Modular stackable rack (SpaceStation) for any combination of up to 4 Infusomat® Space or Perfusor® Space  SpaceCover Standard as roof of the upper SpaceStation.  SpaceCover comfort with central optical and acoustic operation status indicator. Central adjustable volume of the alarm signals.
<b>Components</b>	8713147 SpaceCover Standard 8713145 SpaceCover Comfort 8713140 SpaceStation 8713142 SpaceStation incl. SpaceCom
<b>Weights</b>	SpaceCover Comfort: 0.9 kg SpaceCover Standard: 0.6 kg SpaceStation: 3.6 kg SpaceStation with SpaceCom: 4.1 kg
<b>Expandability</b>	Tool-free assembly of up to 6 Space Stations (6 x 4 slots) in one, two or three pillars
<b>Fixation</b>	Universal clamp can be attached to infusion poles (diameter 16–40 mm) as well as horizontal wall rail systems accord. to EN1789
<b>Moisture protection</b>	IP22, drip protected for horizontal usage
<b>Power supply system</b>	Built-in AC adapter. Standard mains cord for non-heating apparatus, rubber connector Primary: 100–120 V AC ~ 50/60 Hz, 200–240 V AC ~ 50/60 Hz, 110V 0.6 A/220 V 0.3 A; Secondary: 12V DC/35 W
<b>Battery operating time</b>	SpaceCoverComfort: ~ 26 hrs SpaceCom without WLAN: ~ 3 hrs @ one battery SpaceCom with WLAN: ~ 5 hrs @ two batteries SpaceCom with WLAN: ~ 2 hrs @ one battery SpaceCom with WLAN: ~ 3.5 hrs @ two batteries
<b>Operating Temperature</b>	+10° C ... + 40° C +50° F .... +105° F



Space PoleClamp

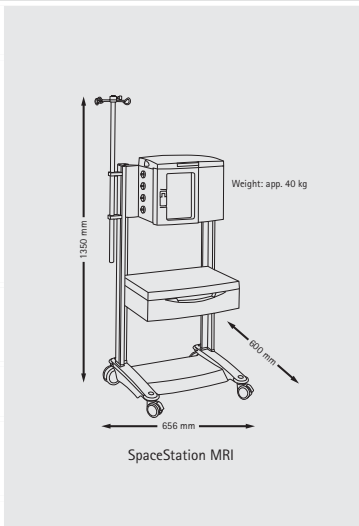
SpaceStation, SpaceCover Standard, SpaceCover Comfort	
<b>Accessories</b>	Cables to connect two or three pillars at one bed place – 8713210 Extension lead 60 cm – 8713215 Extension lead 120 cm – 8713315 Extension lead 10 m – 8713415 Extension lead 15 m  Backup battery for SpaceCover Comfort or SpaceCom: – 8713180 Space SmartBattery Pack



# Technical Data

SpaceCom	
<b>Type</b>	Central smart IT Interface for SpaceStations - 8713160 SpaceCom - 8713142 B. Braun Space Station with SpaceCom integrated
<b>Connectors</b>	Serial RS232 Interface with PS2 Adapter, Ethernet RJ45 , USB-master e.g. for memory sticks or Barcode reader, USB-slave
<b>Wireless LAN</b>	Compact flash slot for optional WLAN adapter 2.4 GHz, 100 mW, 54 Mbps, 802.11 b/g Modes: Infrastructure, AdHoc Encoding: WEP, WPA Encryption: WEP -128, TKIP Authentication: Open Sharded, WPA, WPA-PSK
<b>Electrical isolation</b>	Electrical isolation of 4 KV Devices that are conform to IEC950 or IEC1010
<b>Accessories</b>	8713237 RS232 cross over cable 8713238 RS232 connection cable 8713184 WLAN card for SpaceCom

SpaceStation MRI	
<b>Type of unit</b>	MR-conditional unit for taking up to four Space pumps incl. trolley
<b>Certificates</b>	Siemens MRI scanners: Trio 3 (Tesla) Trio A Tim System (3 Tesla) Verio (3 Tesla) Espree (1.5 Tesla) Avanto (1.5 Tesla) Sonata (1.5 Tesla) Symphony (1.5 Tesla) ESSENZA (1.5 Tesla)
<b>Max. magnetic flux density</b>	20 mT = 200 G Online vectorial measurement of the field components in three axes.
<b>Radio interference suppression</b>	IEC EN 60601-1-2:2001 IEC EN 60601-2-24:1998
<b>Voltage</b>	Primary: 100-120V AC / 200-240 VAC; max 80 VA Inlet connector for non-heating apparatus; rubber connector
<b>Moisture protection</b>	IP21, protection against water drops



# Technical Data

## B. Braun Space Infusion Pumps

Performance data	Description
Accuracy	
- Infusomat® Space	± 5% over 96 h with Original Infusomat® Space Line
- Perfusor® Space	± 2% in compliance with IEC/EN 60601-2-24
Flow rate	Online rate modification without delivery interruption, predefined standard dosages via drug library
Dose rate calculation	Full-automatic via drug library or manually, integrated in start-up operation
Drug library	Integrated in the start-up procedure or via special functions
PCA profile	Via drug library, all parameters can be pre-configured
TCl profile*	Via drug library, all parameters can be pre-configured
Ramp/Taper profile*	Via drug library, all parameters can be pre-configured
Piggyback	Also supported by drug library
Take-Over-Mode*	Full automatic overlapping syringe change
Occlusion monitoring	9 occlusion pressure levels (0.1-1.2 bar), automatic bolus reduction to ≤ 0.2 ml
Keep veins open mode	Default settings: user-defined configuration or deactivation of KVO rates possible
Standby mode	1 min ... 24 hrs, drug name also visible in standby mode
Datalock	Datalock on 3 safety levels, Datalock 3 also with drug specific hints

Disposables	Description
Infusomat® Space	PVC infusion lines with silicone pump element, optionally with: - injection port, needle-free access port - PrimeStop/AirStop PVC/DEHP free infusion lines also as Cyto-Set® Sets for blood transfusion, enteral nutrition
Perfusor® Space	B. Braun Original Perfusor® Syringe OPS: 20 ml, 50/60 ml B. Braun Omnifix®: 2/3 ml, 5 ml, 10 ml, 20 ml, 30 ml, 50/60 ml Becton Dickinson BD Plastipak: 3 ml, 5 ml, 10 ml, 20 ml, 30 ml, 50/60 ml Becton Dickinson BD Precise: 20 ml, 50/60 ml Fresenius Injectomat: 50 ml Terumo: 3 ml, 5 ml, 20 ml, 30 ml, 50/60 ml, 60 ml Tyco Monoject US: 3 ml, 6 ml, 12 ml, 20 ml, 35 ml, 50/60 ml Tyco Monoject EU: 3 ml, 6 ml, 12 ml, 20 ml, 35 ml, 50/60 ml

## Therapy Profiles

Space drug library	Description
DrugListEditor Space	Microsoft® Windows® based database application, user authentication by password One drug library file for Infusomat® Space and Perfusor® Space Minimal 720, typical 1500 drug profile settings per pump
Drug identification	Drug name with up to 24 characters Active agent ID* as identifier for PDMS and barcoding*, up to 20 alpha-numeric characters Drug ID as identifier for PDMS and barcoding*, up to 20 alpha-numeric characters
Drug content	Quantity of active agent in: µg, mg, g*, mEq, IU, mmol, kcal*, kJ* Volume in ml Container volume* for Infusomat® Space Concentration takeover from quantity of active agent/volume or patient specific concentration
Drug properties	Drug selectable on Infusomat® Space and/or Perfusor® Space Profiles (continuous infusion, PCA, TCl*) available for this drug Predefined start-up profile or user dialog Flow rate or dose rate as primary parameter selectable Alarm priority (low, medium and high) for alarm monitoring User notification text, 3 lines with 25 characters Automatic Datalock with start (off, Datalock level 1, Datalock level 2, Datalock level 3)
Navigation in the drug library	15 ward profiles/categories Index of all drugs, optionally disabled Fast navigation thanks to "ABC → DEF →..." fast forward jump marks Barcoding for syringe and container identification XML data interface to receive the list of prescriptions from PDMS
Updating/uploading	Automatic drug library version management Uploading the drug database to up to 24 Space pumps in one work step Microsoft® Windows® based service software tool using the USB port

Adjustable range	Description	Units
Flow rate	0 ... 99.99 in 0.01 increments 100 ... 999.9 in 0.1 increments 1000 ... 1800 in 1 increments	ml/h ml/h ml/h
Quantity of active agents	0 ... 99,999 in 0.001 increments	ng*, mcg, mg, g*, mEq, IE, kIE*, mmol, kcal*
Volume	0.1 ... 99.99 in 0.01 increments 100 ... 999 in 0.1 increments 1000 ... 9999 in 1 increments	ml ml ml
Dose rate	0 ... 99,999 in 0.001 increments	unit (/patient weight) /min or /h or /24h
Patient weight	250 g - 250 kg	kg, g, lb

# Technical Data

Continuous infusion	Description	Lower hard limit	Lower soft limit	Standard dose	Upper soft limit	Upper hard limit
Initial bolus	0/0.1 ... 99.99 ml, 0 ... 99,999 unit (/patient weight)	-	●	●	●	●
Flow rate						
- Infusomat® Space	0.1 ... 1200 ml/h	-	●	●	●	●
- Perfusor® Space	0.01 ... 999.9 ml/h	-	●	●	●	●
Volume to be infused VTBI	0 ... 99,999 ml	-	-	●	-	-
Time pre-selection	1 min ... 99 hrs 59 min	-	-	-	-	-
Dose rate	0 ... 99,999 unit (/patient weight) /min or /h or /24h	-	●	●	●	●
Quantity of bolus	0 ... 99,999 ml, units, units/patient weight	-	●	●	●	●
Bolus rate						
- Infusomat® Space	0.1 ... 1200 ml/h	-	●	●	●	●
- Perfusor® Space	0.01 ... 1800 ml/h	-	●	●	●	●

Patient Controlled Analgesia	Description	Lower hard limit	Lower soft limit	Standard dose	Upper soft limit	Upper hard limit
Observation time frame	1 - 24 hrs	●	●	●	●	●
Dose limit	0.1 ... 99,999 ml, 0.001 ... 99,999 dose	-	●	●	●	●
Initial bolus	0/0.1 ... 99.99 ml, 0 ... 99,999 unit (/patient weight)	-	●	●	●	●
PCA bolus amount	0 ... 99.99 ml, 0 ... 99,999 unit (/patient weight)	-	●	●	●	●
Bolus rate						
- Infusomat® Space	0.1 ... 1200 ml/h	-	●	●	●	●
- Perfusor® Space	0.01 ... 1800 ml/h	-	●	●	●	●
Lockout time	1 - 240 min	●	●	●	●	●
Basal rate	optionally disabled					
- Infusomat® Space	0.1 ... 1200 ml/h	-	●	●	●	●
- Perfusor® Space	0.01 ... 999.9 ml/h	-	●	●	●	●

Target Controlled Infusion*	Description	Lower hard limit	Lower soft limit	Standard dose	Upper soft limit	Upper hard limit
Algorithm	Propofol: Schnider, Marsh; Remifentanyl: Minto	-	-	-	-	-
Mode	Plasma target, effect site target, navigation Additional manual bolus is always possible	-	-	-	-	-
Dilution	Change of drug concentration during syringe change possible	-	-	-	-	-
Initial bolus	0/0.1 ... 99.99 ml, 0 ... 99,999 unit (/patient weight)	-	●	●	●	●
Plasma Target	with Perfusor® Space drug specific	-	-	●	●	●
Effect site Target	with Perfusor® Space drug specific	-	-	●	●	●
Plasma Limit	100 % - 350 %	-	-	●	●	-
Max. Flowrate	1800 ml/h (Perfusor® Space); 1200 ml/h (Infusomat® Space)	-	-	●	-	-
TCI graphic	+5 min/-15 min timeframe	-	-	-	-	-

Parameter	Propofol		Remifentanyl
	Marsh Plasma-Targeting	Schnider Plasma-/Effect Site Targeting	Minto Plasma-/Effect Site Targeting
V, [Litre]	0.0228 * Weight	4.27	5.1 - 0.0201 * (Age - 40) + 0.072 * (LBM - 55)
k <sub>1</sub> , [min <sup>-1</sup> ]	0.119	0.443 + 0.0107 * (Weight - 77) - 0.0159 * (LBM - 59) + 0.0062 * (Height - 177)	[2.6 - 0.0162 * (Age - 40) + 0.0191 * (LBM - 55)] / [5.1 - 0.0201 * (Age - 40) + 0.0072 * (LBM - 55)]
k <sub>2</sub> , [min <sup>-1</sup> ]	0.112	0.302 - 0.0056 * (Age - 53)	[2.05 - 0.0301 * (Age - 40) / [5.1 - 0.0201 * (Age - 40) + 0.0072 * (LBM - 55)]
k <sub>3</sub> , [min <sup>-1</sup> ]	0.0419	0.196	[0.076 - 0.00113 * (Age - 40) / [5.1 - 0.0201 * (Age - 40) + 0.0072 * (LBM - 55)]
k <sub>4</sub> , [min <sup>-1</sup> ]	0.055	[1.29 - 0.024 * (Age - 53)] / [18.9 - 0.391 * (Age - 53)]	[2.05 - 0.0301 * (Age - 40) / [9.82 - 0.0811 * (Age - 40) + 0.108 * (LBM - 55)]
k <sub>5</sub> , [min <sup>-1</sup> ]	0.0033	0.0035	0.01402 - 0.0002085 * (Age - 40)
k <sub>6</sub> , [min <sup>-1</sup> ]	0.26	0.456	0.595 - 0.007 * (Age - 40)
Literature	Marsh et al., Br. J. Anaesthesia, Vol. 67, 1991 41 - 48	Schnider et al., Anesthesiology, Vol. 88, 1998, 1170 - 1182 Schnider et al., Anesthesiology, Vol. 90, 1999, 1502 - 1516	Minto et al., Anesthesiology, Vol. 86, 1997, 10 - 33

Patient data TCI	
Weight:	30 ... 200 kg
Height:	1.30 ... 2.20 m
Age:	16 ... 100 years
LBM ♂	[1.07 * (body weight in kg)] - [148 * (body weight in kg) <sup>2</sup> ] / (body height in cm) <sup>2</sup>
LBM ♀	[1.10 * (body weight in kg)] - [128 * (body weight in kg) <sup>2</sup> ] / (body height in cm) <sup>2</sup>

LBM according to: James WPT. Reserach on obesity, London, Her Majesty's Stationery Office. (ISBN 0-11-4500347). 1976.

# Technical Data

Accuracy	Infusomat® Space	Perfusor® Space
<b>Mechanism</b>	Volumetric infusion pump	Syringe driver
<b>Features</b>	<ul style="list-style-type: none"> <li>- Excellent smoothing of the pulsating drive typical for peristaltic pumps</li> <li>- Flow rates in the range between 0.1 ml/hr and 1200 ml/hr</li> </ul>	<ul style="list-style-type: none"> <li>- Supports all current syringe sizes from 2 ml to 50/60 ml</li> <li>- Fully automatic syringe load to achieve optimum start-up characteristics independent of the operator</li> <li>- Flow rates in the range between 0.01 ml/hr and 1800 ml/hr (999.9 ml/h)</li> </ul>
<b>Disposables permitted</b>	Infusomat® Space Lines with silicon pump element for a wide range of applications	B. Braun Original Perfusor® Syringe OPS, B. Braun Omnifix®, Becton Dickinson BD Plastipak, Becton Dickinson BD Precise, Fresenius Injectomat, Terumo, Tyco Monoject US, Tyco Monoject EU
<b>Measures to avoid boli during loading of the disposable</b>	<ul style="list-style-type: none"> <li>- Safety clip on the device occlusively seals the line</li> </ul>	<ul style="list-style-type: none"> <li>- Space PistonBrake secures the syringe plunger against unintended movement</li> <li>- automatic clamping of the syringe piston prevents unintentional boli caused by the user</li> </ul>
<b>Measures to avoid delays in drug application</b>	<ul style="list-style-type: none"> <li>- Peristalsis suppressed without delay</li> </ul>	<ul style="list-style-type: none"> <li>- Start-up ramp optimized by processor control regardless of syringe type</li> <li>- Spring-loaded axial fastener of syringe wings minimizes axial play</li> <li>- Special geometry of the claws permits form-fitting grip on syringes from 2 ml to 60 ml</li> </ul>
<b>Mechanisms for detection of stopped line</b>	<ul style="list-style-type: none"> <li>- Highly sensitive upstream pressure sensor</li> <li>- Optional drop sensor</li> </ul>	./.
<b>Sensitivity of the pressure sensor on the feed line</b>	Detects even minimal pressure differences with a resolution of 10 mbar	./.
<b>Time to detect a closed roller clamp, in seconds</b>	Max. 20 sec	./.
<b>Empty drip chamber can be detected by the pump</b>	Yes, highly sensitive pressure sensor in the pump can detect B. Braun AirStop membrane	./.
<b>Mechanical accuracy of the driving mechanism</b>	<< ± 0.5 %	<< ± 0.5 %
<b>Accuracy including disposable</b>	± 5 % over 96 h with Infusomat® Space Line	± 2 % according to IEC/EN 60601-2-24
<b>Measures to protect against free-flow according to ECRI (WHO) recommendations</b>	<ul style="list-style-type: none"> <li>- Safety clip on the device occlusively seals the line</li> <li>- Set based free-flow clamp stops the line automatically when removed from the device; passive safety system</li> </ul>	<ul style="list-style-type: none"> <li>- Space PistonBreak secures the syringe plunger when opening the syringe fastener</li> </ul>

Mechanisms to protect against user error	Infusomat® Space	Perfusor® Space
<b>Shift paddles instead of a numeric keypad</b>	+	+
<b>Incompatible IV set detected</b>	+	./.
<b>Exchanging flow direction ruled out</b>	+	./.
<b>Syringe size detected</b>	./.	+

Air Sensor of the Infusomat® Space	
<b>Type of sensor</b>	Maintenance-free ultrasonic sensor
<b>Features</b>	<ul style="list-style-type: none"> <li>- Sensor sensitivity 10µl ... 300µl air bubbles</li> <li>- No air entrapment between tube and sensor thanks to the smart sensor-tube coupling</li> <li>- Geometry of the sensor makes bypass of the sensor by a water droplet impossible</li> <li>- Acoustic lens technology minimizes signal divergence loss</li> <li>- Factory calibration reduces maintenance costs</li> <li>- Robust in terms of line geometry, no false alarms</li> </ul>
<b>Alarm triggering</b>	Adjustable between 0.01 ml and 0.3 ml for single air bubble (standard 0.3 ml) and 0.1 - 3.8 ml/hr for the accumulated air counter (1.5 ml/h)

Occlusion detection	Infusomat® Space	Perfusor® Space
<b>Type of sensor</b>	Maintenance-free piezo-resistant pressure sensor	Elongation measurement strips
<b>Features</b>	<ul style="list-style-type: none"> <li>- Laser-calibrated pressure sensor</li> <li>- Factory calibration reduces maintenance costs</li> </ul>	<ul style="list-style-type: none"> <li>- Automatic calibration of sensor</li> </ul>
<b>Alarm triggering</b>	Adjustable in 9 levels from 0.3 - 1.2 bar 225 - 900 mmHg 30 - 120 kPa 4.35 - 17.39 psi	Adjustable in 9 levels from 0.1 - 1.2 bar 75 - 900 mmHg 10 - 120 kPa ~ 1.45 - 17.39 psi
<b>Max. bolus after bolus reduction</b>	≤ 0.2 ml	≤ 0.2 ml

Information refers to the use of the Infusomat® Space Line AirStop (Code No. 8701148SP) or the B. Braun Omnifix 50/60ml syringe (Code No. 4617509F) and the device software Version F or newer.

# Technical Data

SpaceOneView	
<b>Space Equipment</b>	<ul style="list-style-type: none"> <li>- Beds are equipped with SpaceStations and the IT interface card (SpaceCom)</li> <li>- The SpaceStations are fix linked to the patient bed places</li> <li>- Optional two additional battery packs per bed as backup for power failure</li> <li>- SpaceOneView software license per bed, permanent license</li> </ul>
<b>Network Requirements</b>	<ul style="list-style-type: none"> <li>- TCP/IP based network</li> <li>- Ethernet network port available at each bed or reliable wireless LAN infrastructure</li> </ul>
<b>Hardware Requirements</b>	<ul style="list-style-type: none"> <li>- PC hardware: at least 650MHz processor, 128 MB RAM, 150 MB of free hard disk space</li> <li>- Monitor: resolution of 1024x768 or more, ideally touch screen</li> <li>- LAN: Ethernet RJ45 adapter or WLAN</li> </ul>
<b>Operation System Requirements</b>	<ul style="list-style-type: none"> <li>- Windows® 2000, XP or Vista</li> <li>- local administrator rights</li> </ul>

