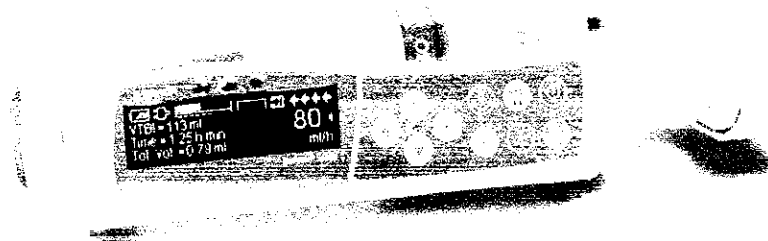


Perfusor® Space and Accessories

Instructions for Use



It is recommended that all pumps at your ward are equipped with the same software version.

CE 0123

GB Valid for Software 688F/G

B BRAUN

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Technical Specification for Syringe Infusion pump - Perfusor Space

Should be US FDA & CE approved product (certificate need to be submitted for further details please check "technical provisions").

Product Features:-

Size and Weight Equal or less than 1.4 kg, 249x68x152 mm (WxHxD; drive parked)

Flow rate range 0.01 - 999.9 ml/h

o 0.01 - 99.99 ml/h in increments of 0.01 ml/h

o 100.0 - 999.9 ml/h in increments of 0.1 ml/h

Syringe sizes :- 2/3; 5; 10; 20; 30; 50/50 ml

Online rate modification without delivery interruption

Accuracy of set delivery rate equal or less than typ. +/- 2 %

Bolus application Delivery rate 1 – 1,800 ml/h; max. Bolus Volume 99.99 ml

Bolus on demand

Bolus with volume/dose pre-selection

Bolus over time (1 min - 24 h)

KVO rate

Rate \geq 10 ml/h: KVO rate 3 ml/h

Rate < 10 ml/h: KVO rate 1 ml/h

Rate < 1 ml/h: KVO rate = set rate

User individual configuration or deactivation of KVO rates possible.

Drug library :- 750 drugs including all parameters in drug library Up to 10 user defined drug categories

Medication error prevention through dose limits referring to selected drug

Automated syringe change for optimal start up characteristics

Standardized User Interface for all Syringe & volumetric infusion pumps.

Optional upgrade of pumps to special therapy like **TCI, PCA** of the same

Integrated docking system with central alarm and running indication

Dose calculation- Automatic calculation of the delivery rate based on dose entries in mg, μ g, IE or

mmol, weight- and/or time related (e.g. mg per kg/min; mg/kg/h; mg/kg/24h, bolus application in mg,

μ g, IE, mmol per kg and/or per time unit (min) with automatic calculation of the bolus rate for one

bolus infusion.

Key pad: - Clearly structured, back lit key pad with not more than 8 keys for fast and intuitive

operation; Identical to Infusion pump

Safety Features:-

Free flow-protection: - Integrated piston brake within syringe drive to prevent free flow during

Syringe change.

Occlusion alarm pressure limits: - Adjustable in 9 steps (0.1-1.2 bar or Display in mmHg)

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Data lock: - Adjustable in 2 safety levels (parameters and disposables)
Automatic bolus reduction after occlusion alarm

Power Supply:-

Main Power supply: - Mains adaptor (rated voltage 100...240 V AC, 50/60 Hz) for stand alone operation

External low voltage 11 ... 15 V; via external power supply 12 V or via central power Station

Battery type: - Rechargeable NiMH battery pack, quick and easy exchange without using screw-driver to open the pump.

Battery operating time approx 8 h at 25 ml/h with Battery capacity display in h and min
Special Battery maintenance program for extended life of rechargeable battery.

Interface Features:-

Web based data communication

RS232

Ethernet, (Optional to be upgraded)

Wireless Lan, (Optional to be upgraded)

USB (Optional to be upgraded)

Pump Database: - Storage of the last 1,000 events with real time.

International Classification according to: - IEC/EN60601-1 - type CF defibrillator proof protective class II

93/42/EWG - Class II b

EMC EN60601-1-2

Moisture protection IP22 (drip protected for horizontal usage)

TO WHOM IT MAY CONCERN

Your reference

Our reference

Tel. +49/56 61/71-

Fax +49/56 61/75-

Date

HC-MS-DE08P

37 87

37 87

February 12, 2009

Gü

DECLARATION OF PROPRIETARY

We hereby declare that **B. Braun Melsungen AG** in Germany is the sole manufacturer of **SpaceStation, Infusomat® Space** and **Perfusor® Space**.

SpaceStation is ergonomically designed to stack mechanically 4 pumps up to a maximum of 24 pumps. It has the capability to supply power through one power cord only and to transfer data i.e. communication capabilities:

- Fixation of the pumps by simply 'click-in' mechanism into the system.
- All pumps can be removed individually without interrupting the functionality of the remaining pumps.
- Integrated workstation for both syringe and volumetric pumps.
- Optional data module per patient bed for Patient Data Management System (PDMS) or Hospital Information System (HIS) with following Interface connection:
 - RS232
 - Ethernet RJ 45
 - Wireless LAN

The syringe & volumetric pump have the same user interface with the below technical capabilities:

- Weight of individual pump is approx. 1.4 kg.
- Drug library: 700 drugs including all parameters in drug library. Up to 10 user defined drug categories.
- Medication error prevention through dose limits referring to the selected drug.
- Integrated docking system with central alarm and running indication.

Dose Rate Calculation

Automatic calculation of the delivery rate based on dose entries in mg, µg, IE or mmol, weight- and/or time related (e.g. mg per kg/min; mg/kg/h; mg/kg/24h, bolus application in mg, µg, IE, mmol per kg and/or per time unit (min) with automatic calculation of the bolus rate for one bolus infusion.

Safety Features

Free flow-protection : Integrated piston brake within syringe drive to prevent free flow during syringe change.

This is a proprietary item and manufactured by B. Braun Melsungen AG, Germany and marketed through B. Braun Medical (India) Pvt. Ltd. who is Marketing Authorization Holder in India.

For and on behalf of

B. Braun Melsungen AG

i. V.



Dr. Torsten Doenhoff
Vice President Business Unit ICU/OR Systems

i. V.



Klaus Angersbach
Manager Strategic Marketing Business Unit ICU/OR Systems

Technical Specification for Volumetric Infusion Pump: Infusomat Space P



- Size and Weight Equal or less than 1.4 kg, 214x68x124 mm (WxHxD; drive parked)
- Flow rate range : 0.1 – 1,200 ml/h
 - 0.1 - 99.99 ml/h in increments of 0.01 ml/h
 - 100.0 – 1,200 ml/h in increments of 0.1 ml/h
 - 1,000 – 1,200 ml/h in increments of 1 ml/hOnline rate modification without delivery interruption
- Can be operated with any I.V. Set with international standards
- Online rate modification without delivery interruption
- Accuracy of set delivery rate equal or less than typ. +/- 2 %
- Bolus application Delivery rate 1 – 1,200 ml/h; max. Bolus Volume 99.99 ml
 - Bolus on demand
 - Bolus with volume/dose pre-selection
 - Bolus over time (1 min - 24 h)
- KVO rate
 - Rate >= 10 ml/h: KVO rate 3 ml/h
 - Rate < 10 ml/h: KVO rate 1 ml/h
 - Rate < 1 ml/h: KVO rate = set rate
- User individual configuration or deactivation of KVO rates possible.
- Drug library :- 750 drugs including all parameters in drug library Up to 10 user defined drug categories with ward Identification
- Medication error prevention through dose limits referring to selected drug
- Standardized User Interface for all Syringe & volumetric infusion pumps.
- Optional upgrade of pumps to special therapy like TCI, PCA ,of the same
- Can be upgraded, to Integrate into docking system.

Dose calculation- Automatic calculation of the delivery rate based on dose entries in mg, µg, IE or mmol, weight- and/or time related (e.g. mg per kg/min; mg/kg/h; mg/kg/24h, bolus application in mg, µg, IE, mmol per kg and/or per time unit (min) with automatic calculation of the bolus rate for one bolus infusion.

Key pad:- Clearly structured, back lit key pad with not more than 8 keys for fast and intuitive operation; identical to syringe pump

Safety Features:-

Upstream pressure detection: Upstream pressure sensor for detection of a closed roller
Clamp when used without drop sensor

Occlusion alarm pressure limits: - 3 occlusion pressure levels selectable (between approx. 0.3 And 1.5 bar); automatic bolus reduction.

Data lock: - Adjustable in 2 safety levels (parameters and disposables)

Power Supply:-

Main Power supply: - Mains adaptor (rated voltage 100...240 V AC, 50/60 Hz) for stand alone Operation

External low voltage 11 ... 15 V; via external power supply 12 V or via central power Station

Battery type: - Rechargeable NiMH battery pack, quick and easy exchange without using Screw-driver to open the pump.

Battery operating time approx 4 h at 100 ml/h with Battery capacity display in h and min

Pump Database: - Storage of the last 1,000 events with real time.

International Classification according to: - IEC/EN60601-1 - type CF defibrillator proof protective class II
93/42/EWG - Class II b
EMC EN60601-1-2
Moisture protection IP22 (drip protected for horizontal usage)



NIM Pharmaceuticals

No. 27, Gr. Floor, Shima Plaza,
Ulubari Chariali, G. S. Road,
Guwahati, Assam, Pin – 781 007 (India)
Email : nimncindia@gmail.com
Phone No. 0361 – 2733339

No. 247/IS/NIM/2016

Date: 9th Mar, 2016.

To

The Director
RIMS, Imphal.

Through
Prof. Th. Sachindeba Singh
ICCU, RIMS.
Imphal.

Subject: - Procurement of Syringe Pump (Perfusor Space) and Infusion Pump (Infusomat Space) of B Braun Medical Pvt Ltd.

Dear Madam,

With due regards, I would like to submit you the proposal for the procurement Infusion Pump and Syringe Pump. I here enclosed the following for your kind perusal:

1. Product specification
2. Proprietary certificate
3. Authorisation letter
4. Proforma Invoice
5. Terms and condition.

Thanking you.

Regards.

For, NIM Pharmaceuticals
NIM PHARMACEUTICALS


(Authorised Signatory)



NIM Pharmaceuticals

No. 27, Gr. Floor, Shima Plaza,
Ulubari Chariali, G. S. Road,
Guwahati, Assam, Pin – 781 007 (India)
Email : nimneindia@gmail.com
Phone No. 0361 – 2733339

No. 248/IS/NIM/2016

Dated: 09/03/2016

To
The Director
Regional Institute of Medical Sciences
Imphal, Manipur.

Through,
Prof. Th. Sachindeba Singh
ICCU, RIMS,
Imphal, Manipur.

RATE QUOTATION

Dear Madam,

I would like to submit the rate quotation of the proprietary products of B Braun:

Sr. No.	Description	Manufactured by	Unit	Rate Rs.
1	Syringe Infusion pump - Perfusor Space	B Braun Medical India Pvt Ltd	1 (one)	175000 (Rupees one lakh seventy five thousand)
2	Volumetric Infusion Pump: Infusomat Space P	B Braun Medical India Pvt Ltd	1 (One)	180000 (Rupees one lakh eighty thousand)

Thanking you.

For, NIM PHARMACEUTICALS

(Authorized Signatory)

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NIM Pharmaceuticals

No. 27, Gr. Floor, Shima Plaza,
Ulubari Chariali, G. S. Road,
Guwahati, Assam, Pin – 781 007 (India)
Email : nimindia@gmail.com
Phone No. 0361 – 2733339

No. 247/IS/NIM/2016

Date: 9th March, 2016

Terms and Conditions:

1. Order will be placed in the name of :

NIM PHARMACEUTICALS
SHIMA PLAZA, ULUBARI CHARIALI, G. S. RAOD,
GUWAHATI, ASSAM, INDIA, PIN - 781007

2. The above rate is exclusive of 5% CST.
3. Rate quoted is for F.O.R. RIMS, Imphal.
4. Delivery period will be 8-10 weeks from the date of receipt of the confirm order
5. Warranty: 1 (one) years from the date of the delivery of the materials.
6. Installation and training will be done on the site free of cost as per necessary.
7. AMC/CMC Contract.
8. Service & Support: The technical support staff will attend the equipment within 72 hours from the receipt of the proper intimation.

Thanking you.

For, **NIM PHARMACEUTICALS**

NIM PHARMACEUTICALS

(Authorised Signatory)

Authorised Signatory

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BB/1002/15

B. Braun Medical (India) Pvt. Ltd.
13/5, Zenith Apartment,
Russo Road East, 2nd Lane,
Swiss Park, Kolkata 700 033.
CIN : U33112MH1984PC214514
Tel : (91-33) 4067 0017 / 18
Fax : (91-33) 4067 0016
www.bbraun.co.in

To,
The Director,
Regional Institute of Medical Science,
Imphal

Our reference: BB/1002/15

Date: 14.12.2015

Subject: Authority Letter

Dear Sir,

B.Braun is a multinational organization from Melsungen, Germany, having more than 56 subsidiaries worldwide. Sharing Expertise is our logo and we believe in sharing our expertise with the healthcare professionals by providing them with the most innovative and safe products in infusion therapy which enhances efficiency of medical services in the hospital segments, thereby improving the clinical outcome and reducing the hospital stay of the patients leading to enhanced outcome of the hospital services.

We are also glad to inform you that we have a very strong network of Sales & Service team in India & throughout the globe.

We hereby authorize our distributor M/s. Nim Pharmaceuticals, having its registered office No.27 Ground Floor, Shima Plaza, Ulubari Chariali, G.S.Road, Guwahati - 781007, Assam to Quote, Supply, Collect Purchase orders, Raise Invoice & collect Payment against the tender for Hospital Care range products on our behalf in Regional Institute of Medical Science, Imphal.

We may further state that we have not authorized any other party to provide service for products and if any other party provide service on our behalf, they shall be doing it at their own risk unless otherwise notified and authorized by us in writing.

The authority letter is valid till March, 2016.

Thanking you,

Yours Sincerely,

For B. Braun Medical (India) Pvt. Ltd.

Authorized Signatory

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BIS
Compares
to Mark for 2014
India

