

Technical data

AUTOMATED INFUSIONS SYSTEMS

| | Space ^{plus} Perfusor® | Space ^{plus} Infusomat® |
|---|--|--|
| Performance Data | | |
| Approved disposables | B. Braun OPS®/Omnifix®; Becton Dickinson, Terumo, Monoject Sizes: 2/3, 5, 10, 20, 30, 50/60 mL* | Infusomat® Space-Lines* |
| Delivery rate range | 0.01- 1800 mL/h | 0.1- 1,200 mL/h |
| | 0.01 mL/h ... 99.99 mL/h in 0.01 mL/h increments 100.0 mL/h ... 999.9 mL/h in 0.1 mL/h increments 1,000 mL/h ... 1,800 mL/h in 1 mL/h increments | 0.01 mL/h ... 99.99 mL/h in 0.01 mL/h increments 100.0 mL/h ... 999.9 mL/h in 0.1 mL/h increments 1,000 mL/h ... 1,200 mL/h in 1 mL/h increments |
| | Online rate modification without delivery interruption ^{P+1} | |
| Accuracy of set delivery rate | ±2% in compliance with IEC 60601-2-24 | ±3% according to IEC 60601-2-24 Note: valid for 50 cm water column with Infusomat® Space-Line |
| Bolus delivery | Delivery rate 1 - 1,800 mL/h | Delivery rate 1 - 1,200 mL/h |
| | <ul style="list-style-type: none"> • Bolus on demand^{P+1} • Bolus with volume/dose pre-selection^{P+1} | |
| Volume pre-selection ^{P+1} | 0.01 - 9,999 mL | |
| | 0.01 mL/h ... 99.99 mL/h in 0.01 mL/h increments 100.0 mL/h ... 999.9 mL/h in 0.1 mL/h increments 1,000 mL/h ... 9,999 mL/h in 1 mL/h increments | |
| Time pre-selection ^{P+1} | 00 h : 00 min : 00 s - 99 h : 59 min : 59 s | |
| Rate calculation ^{P+1} | Automatic rate calculation by calculating volume over time or by dose | |
| Priming ^{P+1} | Customizable via Service Tool | |
| Brightness ^{P+1} | Sensor based or manually @ pump | |
| Dose calculation ^{P+1} | Automatic calculation of the delivery rate based on <ul style="list-style-type: none"> • dose entries in mg, µg, IU or mmol, weight- and/or time-related (e.g. mg per kg/min; mg/kg/h; mg/kg/24h), • bolus application in mg, µg, IU, mmol per kg and/or per time unit (min) with automatic calculation of the bolus rate for one bolus infusion | |
| KVO Keep Vein Open Rate ^{P+1} | Default settings: <ul style="list-style-type: none"> • 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-defined configuration or deactivation of KVO rates possible | |
| Standby mode ^{P+1} | Selectable by pressing one button (On/Off button) Standby-time adjustable from 1 min up to 24 h in 1 min increments | |
| Drug Library ^{P+1} | Drug selection in startup menu or options <ul style="list-style-type: none"> • 10,000 drugs including all parameters in drug library • Up to 31 user-defined drug categories • Up to 32 user-defined patient-profiles • Medication errors are prevented by drug-specific limits defined in the drug library | |

1;2;3 p.d. 2.1;2.2;
1.1;1.2

1;2;3 p.d. 2.3; 1.3

1;2;3 p.d. 2.5; 1.5

1;2;3 p.d. 2.11; 1.11

1;2;3 p.d. 2.11; 1.11,
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1;2;3 p.d. 2.6; 1.6

1;2;3 p.d. 2.7; 1.7

1;2;3 p.d. 2.9; 1.9

1;2;3 p.d. 2.7; 1.7

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placiau aprasyta IFU

* for more data, please refer to the IFU

^{P+1} valid for both Space^{plus} Perfusor® and Space^{plus} Infusomat®

¹ profiles will be added later on via firmware/software update

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| Infusion profiles / therapy mode ^{P+1} | <ul style="list-style-type: none"> • Continuous mode • Ramp/Taper mode • PC(E)A mode¹ • TCI mode¹ • TPN¹ • Intermittent Mode¹ | <ul style="list-style-type: none"> • Continuous mode • Ramp/Taper mode • PC(E)A mode¹ • TCI mode¹ • TPN¹ • Intermittent Mode¹ • Piggyback¹ |
| Occlusion alarm | 9 occlusion pressure levels selectable ^{P+1} Perfusor 0.1 - 1.2 bar (75 - 900 mmHg) | Infusomat 0.067 - 1.1 bar (50 - 825 mmHg) |
| Bolus reduction ^{P+1} | Automatic bolus reduction triggered by occlusion alarm | 1;2;3 p.d. 2.13; 1.13 |
| Upstream pressure detection | | Upstream pressure sensor detects closed roller clamp 1;2;3 p.d. 2.15; 1.15 |
| Data lock ^{P+1} | Data lock on drug level or for dedicated teams | |
| Alarm indicators ^{P+1} | <ul style="list-style-type: none"> • Optical and audible alarm signal with clear text in display and LED • Configurable alarm urgency per drug | 1;2;3 p.d. 2.12; 1.12 |
| Alarms | Syringe empty, reminder alarm, pressure too high, battery empty, standby, syringe holder open, syringe not fixed properly, etc. | Occlusion pressure alarm, upstream alarm, drop alarm, air alarm, KVO alarm, reminder alarm, battery empty alarm, infusion line not or incorrectly inserted alarm, etc. |
| Pre-alarms | Pre-alarm when syringe almost empty, 3 min before preset target (VTBI / time) near-end, battery nearly empty | Pre-alarms for preselected volume and preselected time shortly before target (VTBI/time) near end, battery pre-alarm |
| History and interfaces | | |
| History ^{2 P+1} | The last 1,000 events can be stored in real-time memory | |
| Interface type ^{P+1} | <ul style="list-style-type: none"> • 4" JUT __VTè cWc ^ RZ dg]eRXV/#\$! Gfi • 2TIVdt q a` æWc4` __VTèZ _]VRU " #GcdRMT[R]] R_UA42 Sf æè _ • :_VRUWcT ^ ^ f _ZReZ _ Z_ eVDeReZ _ | 1;2;3 p.d. 4.1; 3.1 |
| Staff call ^{P+1} | Max. 24 V/0.5 A / 24 VA | |
| System configuration and update | | |
| Customizing ^{P+1} | User-specific configuration via Drug Library Manager Space ^{plus} or Service Tool | |
| Software updates ^{P+1} | Via WIFI connection to OnlineSuite ^{plus} , or connected to Space ^{plus} Station via Service Tool or via ServiceTool at each individual infusion pump | |
| Technical Safety Check (TSC) | | |
| TSC Interval ^{P+1} | Pump displays next TSC Interval | 1;2;3 p.d. 2.20; 1.20 |

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