

BeneFusion SP3 Ex

Syringe Pump

Data Sheet



Physical Specifications

Weight	< 1.8 kg
Size	340 x 125 x 135mm
Screen	3.0" LCD monochrome screen, 240 x 128 pixels
Brightness	1-8 levels, adjustable
Display	infusion rate, VTBI, total volume, pressure limit & status, drug name, remaining time, alarm status, battery status, size of syringe, brand of syringe

Parameters Specifications

Accuracy	≤±2%
Mode	rate mode, time mode, body weight mode, intermittent mode
Flow rate	0.1-2000ml/h
Increment	0.1ml(0.1-999.9ml/h); 1ml(1000-2000ml/h)
Preset volume(VTBI)	0.1-9999ml (increment: 0.1ml)
Preset time	00:00:01-99:59:59, adjustable
Accumulated volume	0.1-9999 ml
KVO	0.1-5.0ml/h adjustable, step 0.1ml/h, default is 0.5 ml/h
Purge rate	150-800ml/h
Bolus rate	0.1-2000ml/h (automatic or manual)
Occlusion detection	5 levels selectable: 75/150/300/525/900mmHg, default is 525 mmHg; 4 units of pressure selectable: mmHg/kPa/bar/psi, default is mmHg
Anti-bolus	unexpected bolus reduced when the occlusion occurs
Dose rate units	ng/kg/min, µg/kg/h, ug/kg/min, ug/kg/h, ug/kg/24h, mg/kg/min, mg/kg/h, mg/kg/24h, g/kg/min, g/kg/h, mU/kg/min, mU/kg/h, U/kg/min, U/kg/h, U/kg/24h, kU/kg/h, EU/kg/h, mmol/kg/h, mol/kg/h, kcal/kg/h, kcal/kg/24h, mEq/kg/min, mEq/kg/h
Auto-lock time	1 - 5 minutes selectable; ON/OFF switchable
Drug library	up to 200 drugs; ON/OFF switchable

History log	up to 1500 records
Volume collection	available in 4 methods: 24H Total, Current Total, Period, Timing

Syringes

Compatibility	5/10/20/30/50/60ml; automatic recognition of syringe size
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Alarms

Type	audible and visual alarm
3 Levels	High: occlusion / no power / VTBI complete / syringe empty / no syringe / KVO finished / system error;

Medium: abnormal system/ standby times
expired;

Low: reminder/ low battery/ Syringe near
empty/Time near end/No AC power

Sound volume	1-8 levels selectable, default is level 4
Reminder	1-5 minutes selectable; ON/OFF switchable

Battery

Operating time	≥ 6 hours at 5ml/h (standard), ≥ 12 hours at 5ml/h(optional)
Recharging time	≤ 5 hours to full capacity

Interface

RS232; nurse call connector; DC adapter

Power Supply

voltage 100-240 V~ ; frequency 50/60Hz;
current 0.4-0.14A

Work Environment

Temperature	5-40°C for operating; -20-60 °C for storage
Relative humidity	15-95% for operating; 10-95% for storage
Atmosphere pressure	57-106 kPa for operating; 50-106 kPa for storage
Level of resistance to water and dust	IP34

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