

BeneFusion VP5 Ex

Infusion Pump

Data Sheet



Physical Specifications

Weight	< 2.5kg
Size	245 x 174 x 87 mm
Screen	3.5-inch TFT color LCD, 480 x 272 pixels
Brightness	1-8 levels, adjustable
Display	infusion rate, VTBI, pressure limit & status, drug name, remaining time, alarm status, total volume, battery status, brand of IV administration set

Parameters Specifications

Accuracy	≤ ±5%
Mode	rate mode, time mode, body weight mode, ramp up/down mode, sequential mode, micro-infusion mode, loading dose mode
Flow rate	0.1 - 2000ml/h
Increment	0.01ml(0.1-99.99ml/h); 0.1ml(100-999.9ml/h); 1ml(1000-2000ml/h)
Preset volume(VTBI)	0.10 – 9999.99ml (increment: 0.01ml)
Preset time	00:00:01 – 99:59:59, adjustable
Accumulated volume	0-9999.99 ml
KVO	0.1-5.0ml/h adjustable, step 0.1ml/h, default is 1.0ml/h
Purge rate	0.10-2000ml/h
Bolus rate	0.1-2000ml/h (automatic or manual)
Occlusion detection	12 levels selectable: 75-975mmHg, default is 450mmHg; 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, ng/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
Air bubbles detection	6 levels selectable: 20/50/100/250/500/800μL, accumulate air: 0.1-4ml/h

Auto-lock time	1 - 5 minutes selectable; ON/OFF switchable
Drug library	up to 2000 drugs; ON/OFF switchable
History log	up to 2000 records
Volume collection	available in 4 methods: 24H total, current total, period, timing
Dose Error Reduction System (DERS)	available; definition of dose limits; automatic alarms when reaching dose limits

IV administration sets

Compatibility	diameter range from 3.5 to 4.5mm while thickness is between 0.8 and 1.2mm
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Alarms

Type	audible and visual alarm
3 Levels	High: downstream occlusion / accumulated air / air in line / no power / VTBI Complete / KVO finished / door opened/system Medium: abnormal system/ standby times expired Low: reminder/ low battery/ no battery inserted/ time near end/ VTBI near done/ No AC power
Sound volume	1-8 levels selectable, default is level 4
Reminder	1-5 minutes selectable; ON/OFF switchable

Battery

Operating time	≥ 9 hours at 25ml/h
Charging time	≤ 6 hours to full capacity

Interface

Interface	RS232; nurse call connector; DC adapter
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Power Supply

Power Supply	voltage 100-240 V~ ; frequency 50/60Hz; current 0.4-0.14A
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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:	IP23

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