

**mindray**

# BeneFusion VP3

Infusion Pump

Data Sheet



<b>Physical Specifications</b>	
Weight	≤ 1.8 kg
Size	150 x 100 x 200mm
Screen	3.0" LCD monochrome screen, 240 x 128 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
<b>Parameters Specifications</b>	
Accuracy	≤ ±5%
Mode	Rate Mode (drip mode), Body Weight Mode, Time Mode, Sequential Mode, Loading Dose Mode, Micro-infusion Mode, Ramp Mode
Flow rate	0.1 - 2000ml/h
Increment	the minimum increment is 0.01ml/h
Preset volume(VTBI)	0.1 - 9999ml (increment: 0.1ml)
Preset time	00:00:01-99:59:59, adjustable
Standby time	00:01-99:59
Accumulated volume	0.1-9999 ml
KVO	0.1-30ml/h, default is 0.5ml/h
Purge rate	0.1-2000ml/h
Bolus rate	0.1-2000ml/h (automatic or manual)
Occlusion detection	14 Levels are adjustable, respectively are (75, 150, 225, 300, 375, 450, 525, 600, 675, 750, 825, 900, 975 and 1050) mmHg 4 units of pressure selectable: mmHg/kPa/bar/psi, default is mmHg unexpected bolus reduced when the occlusion occurs
Anti-bolus	mm/kg/min, ug/kg/h, ug/kg/24h, mg/kg/min, mg/kg/h, mg/kg/24h, g/kg/min, g/kg/h, ng/kg/min, ng/kg/h, mU/kg/min, mU/kg/h, U/kg/min, U/kg/h, U/kg/24h, kU/kg/min, kU/kg/h, EU/kg/min, EU/kg/h, mmol/kg/min, mmol/kg/h, mol/kg/min, mol/kg/h, kcal/kg/min, kcal/kg/h, kcal/kg/24h, mEq/kg/min, mEq/kg/h, mIU/kg/min, mIU/kg/h, IU/kg/min, IU/kg/h, kIU/kg/min, kIU/kg/h, ug/min, ug/h, mg/min, mg/h, g/min, g/h, ng/min, ng/h, mIU/min, mIU/h, IU/min, IU/h,
Dose rate units	ug/kg/min, ug/kg/h, ug/kg/24h, mg/kg/min, mg/kg/h, mg/kg/24h, g/kg/min, g/kg/h, ng/kg/min, ng/kg/h, mU/kg/min, mU/kg/h, U/kg/min, U/kg/h, U/kg/24h, kU/kg/min, kU/kg/h, EU/kg/min, EU/kg/h, mmol/kg/min, mmol/kg/h, mol/kg/min, mol/kg/h, kcal/kg/min, kcal/kg/h, kcal/kg/24h, mEq/kg/min, mEq/kg/h, mIU/kg/min, mIU/kg/h, IU/kg/min, IU/kg/h, kIU/kg/min, kIU/kg/h, ug/min, ug/h, mg/min, mg/h, g/min, g/h, ng/min, ng/h, mIU/min, mIU/h, IU/min, IU/h,
<b>IV administration sets</b>	
Compatibility	universal IV sets
<b>Alarms</b>	
Type	audible and visual alarm
3 Levels	High: occlusion / air in line / VTBI complete/ accumulated air/ no battery/ KVO finish/ door opened/system error/ drop error/ empty/ no infusion tube
	Medium: abnormal system/ standby time expired
	Low: reminder/ low battery/ no battery/ time near end/ No AC power/ communication interrupted/ KVO running/ infusion interrupted/ Para. Unconfirmed
Sound volume	1-8 levels selectable, default is level 4
Reminder	1-5 minutes selectable; ON/OFF switchable
<b>Battery</b>	
Operating time	≥4 hours at 25ml/h (standard), ≥8 hours at 25ml/h(optional)
Charging time	≤ 6 hours to full capacity (standard) ≤ 12 hours to full capacity (optional)
<b>Interface</b>	
RS232; nurse call connector; DC adapter	
<b>Power Supply</b>	
voltage 100-240 V~ ; frequency 50/60Hz; current 0.4-0.14A	
<b>Work Environment</b>	
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	