



BeneFusion VP1 EX

Infusion Pump

Technical Data

Physical specification

W×H×D:	250 x 90 x 150 (mm)
Net weight:	<1.45kg
Classification:	Type CF, Defibrillation-proof, Class I

Display

Screen:	2.4" LCD monochrome screen
Information:	Delivery rate, current infusion, VTBI, total volume, pressure limit, battery capacity, alarms

Infusion sets

Applicable to GB 8368-2005 disposals; Diameter Φ3.5-4.5mm, Thickness 0.8-1.2mm

Basic parameters

Mode:	1 modes: Rate mode
Flow rate:	0.1-1500ml/h
Increment:	0.1ml
Preset volume(VTBI):	0.1-9999ml
Preset time:	00:00:01-99:59:59(h:m:s) adjustable
Accumulated volume:	0.1-9999 ml
KVO:	0.5ml/h, unadjustable
Purge:	600ml/h, unadjustable

Accuracy

≤±5%

Bolus

Bolus rate:	Manual Bolus: 0.1-1500ml/h
Preset bolus volume:	Preset automatic Bolus volume: 0.1-9999ml

Function spectrum

Infusion pause/standby:	preset parameters remain stored
Titration function:	change flow rate during infusion with increment 0.1ml/h

Language

11 languages: English, Spanish, French, Russian, Turkish, Portuguese, Bulgarian, Czech, Polish, Romanian, Chinese

Safety system

Occlusion pressure:	Low 150±113 mmHg (20±15.1 kPa), Medium 525±113 mmHg (70±15.1 kPa), High 900±180 mmHg (120±24 kPa)
Auto data lock:	"ON" and "OFF"
	"ON": 1-5min. selectable, step 1 min, default is "OFF"

Air detector:	1, Volume: minimum 50ul; 2, 5 levels selectable: 50ul, 100ul, 250ul, 500ul, 800ul, default is 100ul;
Anti-bolus:	Automatic reduction of the bolus volume following pressure alarm
Alarm	
Alarm type:	Visual and acoustic alarms
	High: Occlusion, battery empty, VTBI done, air in line, door-open, KVO finish, system error, drop rate error
	Middle: Standby time expired, system abnormal
	Low: VTBI near done, Reminder, battery low, AC Power Disconnection
Alarm volume:	1-8 levels selectable, default is level 4
Pre-alarms:	1-30minutes before syringe is empty; 3 minutes before battery is completed; 30 minutes as low battery
Reminder :	" ON" and "OFF"
	"ON": 1-5min. selectable, step 1 min.
Battery:	
	Standard: 4 hours@25ml/h; Optional: 8 hours@25ml/h
	Recharging time ≤ 6hours for 100% of the capacity
Interface:	
	RS232
	Nurse call connector
	DC adapter connector
Power supply	100-240V~, 50/60Hz, 0.4-0.14A ; DC Voltage:10V-16V, 2.25A-1.5A
Environmental requirement	
Temperature:	5 ~ 40°C for operating, -20 ~ 60°C for storage
Humidity:	15 ~ 95% for operating, 10 ~ 95% for storage
Air pressure:	57 ~ 106kPa for operating, 50 ~ 106kPa for storage
Water-proof:	IP 34
Lifetime	> 5 years under continuous duty conditions