BeneFusion VP1

Volumetric Pump

Friendliness

- Compact and lightweight design for easy carrying and mounting
- Long runtime battery, suitable for emergency and patient transfer
- Intuitive operation and easy to install IV sets
- IP34 protection

Safety

- High accuracy: ≤ ±5%
- Dynamic pressure detection, Anti-bolus
- High sensitivity air bubble detection: minimum 50μl

Connectivity

- Ambulance support
- WiFi connection available
- Dock support

Specifications and Functions	
Dimension(L x W x H)	150 x 90 x 200mm
Weight	≤1.5kg
Classification	CF, Class I
Screen	2.5" LCD monochrome screen, 132 x 32 pixels
Infusion mode	Rate mode
Flow rate range	0.1~1500 ml/h
VTBI	0.1~9999 ml
Accumulated volume	0.1~9999 ml, increment is 0.1 ml
Increment	0.1 ml/h
Accuracy	≤ ± 5%
KVO rate	0.5 ml/h, unadjustable
Bolus rate	0.1-1500ml/h
Purge rate	600ml/h, unadjustable
Occlusion	150/525/900 mmHg
Air bubble detection	5 levels selectable: 50μl, 100μl, 250μl, 500μl, 800μl
Titration	Yes
Keypad lock	Yes
Pause	Yes
Anti-bolus	Yes
Self-test system	Yes
Alarm Volume	1-8 levels selectable
Auto lock	"ON" and "OFF", 1-5 min selectable, step 1 min, default "OFF"
Automatic recognition of IV sets	Yes
Mounting type	Standard: Vertical Pole; Optional: Horizontal Pole
Alarm	
	Occlusion, VTBI Done, Battery Empty, VTBI Near Done, Reminder, Battery Low, AC Power Disconnection, System Error, System abnormal, KVO Finish, Standby Time Expired, Tube not inserted, Air in line, Door opened, Empty bottle, Drop error and No communication
Power supply and Safety Requirement	
AC power	100-240V (50/60Hz)
Battery type	Lithium
Battery operation time	Standard(1 battery):≥4 hours@25ml/h; Optional(2 batteries): ≥8 hours@25ml/h
Charging time	Standard(1 battery): ≤ 6hours; Optional(2 batteries):≤ 12hours
IP Grade	IP 34
Temperature	0~40ºC for operating, -40~70ºC for storage
Humidity	15~95% for operating, 10~95% for storage
Air pressure	57~106kPa for operating, 50~106kPa for storage
Connectivity	
Data interface	Supported, RS232
Wireless	WiFi (optional)
Nurse Call	Supported
DC input	Supported
Ambulance	Supported, meet EN-1789 requirement