

mindray

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: $\leq \pm 5\%$
- Dynamic pressure detection, Anti-bolus
- High sensitivity air bubble detection: minimum 50 μ l

Connectivity

- Ambulance support
- WiFi connection available
- Dock support



| Specifications and Functions | |
|-------------------------------------|---|
| Dimension(L x W x H) | 150 x 90 x 200mm |
| Weight | ≤ 1.5 kg |
| 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 | $\leq \pm 5\%$ |
| 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: 50 μ l, 100 μ l, 250 μ l, 500 μ l, 800 μ l |
| 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): ≤ 6 hours; Optional(2 batteries): ≤ 12 hours |
| IP Grade | IP 34 |
| Temperature | 0~40°C for operating, -40~70°C 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 |