



### 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
- High waterproof up to IP34, supports cleaning with water

### Safety

- High accuracy up to  $\pm 5\%$ , satisfying all clinical requirements
- Dynamic pressure display, Anti-bolus
- High sensitivity air bubble detection up to 50ul

### Connectivity

- Ambulance support
- WiFi connection available
- Dock support



## BeneFusion VP1 Volumetric Pump

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healthcare within reach

# BeneFusion VP1

<b>Specifications</b>	
Dimension	250 x 90 x 150mm
Weight	<1.45kg
Classification	CF, Class I
Infusion sets	Applicable to GB 8368-2005 disposals; diameters $\Phi$ 3.5-4.5mm, thickness 0.8-1.2mm
Screen	2.4" LCD monochrome screen, 240 x 128 pixels
<b>Basic Parameters</b>	
Infusion mode	Rate mode, Drop rate mode
Flow rate range	0.1~600 ml/h
VTBI	0.1~9999 ml
Accumulated volume	0.1~9999 ml, increment is 0.1 ml
Preset time	00:00:01-99:59:59( h:m:s) adjustable
Increment	0.1 ml/h
Accuracy	$\leq \pm 5\%$
KVO rate	0.5 ml/h, unadjustable
Bolus rate	Manual Bolus: 0.2-600ml/h;
Purge rate	600ml/h, unadjustable
Occlusion	Low 150 $\pm$ 113 mmHg (20kPa) Medium 525 $\pm$ 113 mmHg (70kPa) High 900 $\pm$ 180 mmHg (120 kPa)
Air bubble detection	Minimum 50ul; 5 levels selectable: 50ul, 100ul, 250ul, 500ul, 800ul; default is 100ul;
<b>Functions</b>	
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"
Language	11, Chinese, English, French, Russian, Turkish, Portuguese, Polish, Bulgarian, Czech, Romanian
<b>Mounting Solution</b>	
Dock	Supported
Handle	Included
Mounting type	Standard: Vertical Pole; Optional: Horizontal Pole
<b>Alarm</b>	
Visual and acoustic alarm	VTBI done, VTBI near done, KVO finish, air in line, door open, drop rate error, standby time expired, occlusion, system error, system abnormal, battery low, battery empty, reminder, AC power disconnection
<b>Power Supply</b>	
AC power	100-240V (50/60Hz)
Battery type	Lithium
Battery operation time	Standard: 4 hours@25ml/h; Optional: 8 hours@25ml/h
Charging time	< 6hours
<b>Safety Requirement</b>	
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
<b>Connectivity</b>	
Data interface	Supported, RS232
Wireless	WiFi (optional)
Nurse Call	Supported
DC input	Supported
Ambulance	Supported, meet EN-1789 requirement

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