

BeneFusion SP1 / VP1

Specifications	SP1	VP1
infusion set	5, 10, 20, 30, 50/60ml	diameters Φ 3.5-4.5mm, thickness 0.8-1.2mm
Infusion mode	Rate mode	Rate mode, Drop rate mode
Flow rate range	5ml syringe : (0.1~150) ml/h 10ml syringe : (0.1~300) ml/h 20ml syringe : (0.1~600) ml/h 30ml syringe : (0.1~900) ml/h 50ml/60ml syringe : (0.1~1500) ml/h	0.1-1500 ml/h , the increment is 0.1 ml/h
Drip range		10-60 drop/ml, the increment is 1 drop/ml
Accumulated volume	0.1~9999 ml, increment is 0.1 ml	0.1~9999 ml, increment is 0.1 ml
VTBI	0.1~9999 ml, increment is 0.1 ml	0.1~9999 ml, increment is 0.1 ml
Increment	0.1~999.9 ml/h, increment is 0.1 ml/h 1000~1500 ml/h, increment is 1 ml/h	0.1 ml/h
Accuracy	Flow rate \geq 1 ml/h: Accuracy \leq \pm 2% Flow rate < 1 ml/h: Accuracy \leq \pm 3%	\leq \pm 5%
KVO rate	0.5 ml/h	0.5 ml/h
Bolus rate	5ml syringe: 0.1-150ml/h 10ml syringe: 0.1-300ml/h 20ml syringe: 0.1-600ml/h 30ml syringe: 0.1-900ml/h 50ml/60ml syringe: 0.1-1500ml/h Note: Bolus accuracy is not declared.	0.1-1500ml/h Note: Bolus accuracy is not declared.
Purge rate	5ml syringe: 150ml/h 10ml syringe: 300ml/h 20ml syringe: 600ml/h 30ml/50ml/60ml syringe:800ml/h	600ml/h, unadjustable
Occlusion	Low 300 \pm 125mmHg (40kPa) Medium 525 \pm 125mmHg (70kPa) High 900 \pm 180mmHg (120kPa)	Low 150 \pm 113 mmHg (20kPa) Medium 525 \pm 113 mmHg (70kPa) High 900 \pm 180 mmHg (120kPa)
Near end	Off, 1- 30 min when the time is <10min, step for 1min, and step for 5 min when the time is \geq 10 min	Off, 1- 30 min when the time is <10min, step for 1min, and step for 5 min when the time is \geq 10 min
Bubble size		1 - 5, respectively are (50ul, 100ul, 250ul, 500ul, 800ul) Sensitivity of single bubble is 50ul
Accum. Bubble		0.1-4.0ml/h
Time display range		00:00:01-99:59:59(h:m:s) adjustable
Standby time range	00:01-99:59 hh:mm	00:01-99:59 hh:mm
Screen	2.5" LCD monochrome screen	2.5" LCD monochrome screen
Alarm Volume	1-8 levels selectable	1-8 levels selectable
Dimension	330 x 126 x 110mm	250 x 90 x 150mm
Weight	<1.8kg (including clamp)	<1.45kg
Power Supply		
AC power	100-240V (50/60Hz)	100-240V (50/60Hz)
Battery type	Lithium	Lithium
Battery operation time	Standard : 6h@ 5ml/h ; Optional : 12h@ 5ml/h	Standard: 4h @25ml/h ; Optional : 8h @25ml/h
Charging time	<5 hours	<6 hours
Safety Requirement		
Classification	CF, Class I	
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	
Dose of single fault	About 3.5ml	About 0.8ml

TAIWAN Exclusive Distributor
SOAR INSTRUMENT-TECH. CO., LTD.
1F., No.156, Jiaying St., Xizhi Dist., New Taipei City 221, Taiwan
Tel: +866 86486194 Fax: +866 86489678
E-mail: soar.jimmy@gmail.com http://uni-soar.com/

©2013 Shenzhen Mindray Bio-Medical Electronics Co., Ltd. All rights reserved. Specifications subject to changes without prior notice.
P/N:ENG-BeneFusion SP1 Syringe pump-210285x2-20180730

mindray