



Features:

- Open system: Accepts all standard syringes of 5ml, 10ml, 20ml/30ml, 50ml/60ml.
- Large COLOR TFT display with adjustable brightness.
- Manual and Automatic Bolus function.
- Vertical & Horizontal mounting.
- Anti-bolus system to reduce significantly after occlusion sudden release.
- DPS Occlusion Pressure display.
- 2000 events stored can be checked and downloaded.
- Five work modes: Rate Mode, Time Mode, Dose Mode, Sequential Mode and Drug Library Mode.
- Drug library with 1030 injection records (Optional).
- Identify the specifications of syringe automatically.
- Audible and visual alarm: Syringe Holder Loose, Syringe Plunger Disengagement, Syringe Flange Insertion Error, Syringe Not Calibrated, Occlusion, Syringe Empty, Rate Abnormal, Battery Empty, No Battery, Key Holding During Infusion, Key Holding During Pause, Infusion Complete, Syringe Near Empty, No Action, Battery Low, Out of Flow Range
- Freely Stackable: Users can freely stack one syringe pump onto another to provide multiple Solutions
- Automatically record of infusion.
- Visual and audible alarm system and accurate injection rate make the injection process safer and reliable.
- KVO and Bolus functions.
- Change the flow rate without stop during infusion.
- 12 Hours Internal Battery continuous operation.
- Accurate and sensitive pressure sensor detects occlusion pressure accurately.
- Excellent injection operation. The accuracy will be ensured even at small-volume injection.

Technical Specifications of Syringe pump (DPfusion SP1/SP3)

PARAMETER	SPECIFICATION
Applicable syringes	5ml,10ml,20ml,30ml,50ml,60ml of any standard
Accuracy	+/- 2% with correct calibration
Rate mode	50ml(60ml): 0.1ml/h-2000.0ml/h (0.1ml/h or 1ml/h step) 30ml: 0.1ml/h-1200.0ml/h (0.1ml/h or 1ml/h step) 20ml: 0.1ml/h-800.0ml/h (0.1ml/h or 1ml/h step) 10ml: 0.1ml/h-400.0ml/h (0.1ml/h or 1ml/h step) 5ml: 0.1~200ml/h (0.1ml/h or 1ml/h step) (Programmable 0.01ml/h~9999.9ml/h)
Time Mode	SOL. VOL:0.1-9999.9ml (0.1ml step) TIME: 00:01-99:59min (1min step)
Dose Mode:	Volume: 0.1-999.9ml(0.1ml step) DRUG MASS: 0.1-999.9mg 0.1mg step) DOSE: 0.001-9999ug/kg/min(0.001ug/kg/min step) WEIGHT: 0.1-300kg(0.1kg the least step) Dose unit: ng/kg/min, ug/kg/min, mg/kg/min, g/kg/min, ug/kg/h, mg/kg/h,g/kg/h,ug/min,mg/min,g/min,ug/h,mg/h,g/h,U/min,U/h,IU/h,U/kg/h,ml/h
Total Volume Range	0.1-9999.9ml (0.1 ml step)
Drug library Mode	10 categories of drugs, amounts to 1030 kinds of drug names, 17kinds of dose units, such as ug/kg/min, mg/kg/min,etc. Makes drug dispensing more convenient and safer. (Available for SP3 only)
Sequential mode	Available (Only for SP3)
Purge Rate	50ml(60ml): 1500.0ml/h, 30ml: 1200.0ml/h, 20ml: 800.0ml/h 10ml: 400.0ml/h, 5ml: 200ml/h Programmable and adjustable
KVO Rate	0.1~5.0 ml/h, Programmable and adjustable
DPS dynamic pressure	Three levels setting LOW (60(±15)kPa), MEDIUM (90(±15)kPa) or HIGH (120(±15) kPa)
Alarms	Syringe Holder Loose ,Syringe Plunger Disengagement, Syringe Flange Insertion Error ,Syringe Not Calibrated, Occlusion, Syringe Empty, Rate Abnormal, Battery Empty, No Battery, Infusion Complete, Syringe Near Empty, No Action, Battery Low Three levels of alarm volume LOW, MEDIUM or HIGH
Bolus Rate	5ml: 0.1~200ml/h,10ml:0.1-400ml/h,20ml:0.1-800ml/h, 30ml:0.1-1200ml/h,50ml(60ml):0.1-2000ml/h Programmable and adjustable, Automatic/Manual bolus available

Bolus Volume	Range: 1.0~50.0ml, (0.1ml step)
Interface	RS-232
Brightness	1~10 levels can be selected
History records	2000 events stored can be checked and downloaded
Power source	AC power supply: AC 100 to 240V(+/-10%), 50/60Hz; DC Power supply: 12~15V, power>15W; Built-in Lithium Battery: Rechargeable, 11.1V, 2000mAh. 8 hours of continuous operation
Accessories:	AC power line, Operational manual
Protection Class	Class I, Type CF,IP44
Dimension / N.W	240mm*150mm*117mm , 2.0kg
Packing size/G.W	300mm*260mm*160mm, 3.0KG

***Specifications are subject to change without notice**