Triumph SP12 Syringe pump brings precision, ease of use, safety, and versatility for your everyday fluid therapy requirements from a company you can trust.

- Large 4.3 inch water resistant color touch screen
- 8 Preinstalled Syringes including major and private label brands
- Accepts 3ml-60ml syringe sizes
- Dual battery for providing over 9 hours of battery life
- Enhanced safety features including full screen color coded alarms
- Rate mode, Time mode, Body-weight mode, and Drug Library Mode
- Fully customizable drug library with password protection
- Folding handle providing easier transport and space saving stackable design

Triumph SP12 Syringe Pump

Specification/Function	Description
Dimension	9.53"x4.96"x4.37"
Weight	3.75 lbs
Display	4.3" Color Touch Screen
Flow Rate Accuracy	+/- 3%
Syringe Sizes	3*, 5/6, 10/12, 20, 30/35, 60 (Automatic Recognition)
Syringe Brands	Monoject, BD, Terumo, VetOne, Pivetal, Ecomed, Covetrus, Exel
Flow Rate	0.1-1500 ml/h (with increment 0.01 ml/h)
VTBI	0-9999.99 ml
Dose Rate Units	More than 15 types
KVO Rate	0.1-5.0 ml/h
Infusion Modes	4 Modes: Rate Mode, Time Mode, Body-Weight Mode, Drug Library Mode
Drug Library	Yes, Drugs can be added or edited (Editing is Password Protected)
Purge	Yes
Micro Mode	Yes, Ability to turn On/Off and Adjust from 100-1500 ml/hr
Standby Mode	Yes
Screen Lock	Yes (lock out time adjustable, ability to turn on/off)
Occlusion Levels	3 Levels, Ability to Change mmHg, kPa, bar, psi
Bolus Setting	Manual Bolus, Programmable Bolus
Anti-Bolus	Yes
Records	More than 5000 Entries
Recent Therapies	Yes, Retains last 20 most Recent Therapies
Battery Life	Dual Battery >9 Hours
Charging Time	< 5 Hours
Maintenance Reminder	Yes, Every 12 Months
IP Level	IP34 (Waterproof)
Screen Brightness	Yes, 10 Levels
Volume Setting	Yes, 10 Levels
Battery Capacity Display	Adjustable to read time left or % Capacity
Languages	8 Different Languages
Night Mode	Adjustable Brightness and Time begin/end Ability to Turn On/Off
Nurse Call	Yes (Additional Software Required)
WIFI	Yes (Additional Software Required)
Accessories	Power Cord, Universal pole clamp enabling cage mounting
Stackable w/o Docking Station	Yes
Power Supply	100-240V 50/60 Hz
Operating Environment	(1) Temperature: 5-40℃ (2) Humidity: 20-90%, non-condensable (3) Atmospheric pressure: 86-106kPa
Safety Standards	IEC 60601-1:2005+A1:2012, IEC60601-2-24:2012, IEC60601-1-8: 2006+A: 2012, EN60601-1-2:2007+AC:2010
Alarms	**Description**
Clear Last Treatment**	Not Adjustable
Scheduled Maintenance Recommended**	Not Adjustable
Pressure High***	Adjustable 3 levels 300mmhg-900mmhg
KVO Finished***	KVO Run Time is 30 Minutes, KVO Rate Adjustable from 0-5ml/hr
Standby Time Expired***	Adjustable from 0-99 hours
VTBI Infused***	Not Adjustable
VTBI Near End***	Adjustable from off-30 mins
Drug Dose Limit Exceeded***	Adjustable in Drug Library specific to each drug
Check Syringe Installation	Not Adjustable
Verify Syringe Brand	Ability to turn On/Off
Continue with Treatment	Adjustable from Off-30 minutes of inactivity
Battery in Use	Not Adjustable

* Due to length of syringe plunger, pump does not accept 3ml VetOne and 3ml Monoject

** These alarms will automatically accept after 30 seconds if no choice is made.

***These alarms can be muted for 2 minutes at a time if not accepted initially