

PRODUCT SPECIFICATIONS



Agilia[®]

LARGE VOLUME PUMP



Agilia

Large volume pump

Infusion	
Infusion rate range	From 0.1 to 1500 mL/h, in increments of 0.1 mL/h from 0.1 to 99.9 mL/h and in increments of 1 mL/h from 100 to 1500 mL/h. Programmable by drug via the Vigilant Drug Library software.
Nominal flow rate accuracy	+/- 5%.
Infusion modes	mL/h modes, with or without Loading Dose: Volume + Flow rate, Volume + Time, Flow rate + Time, Volume + Time + Rate, Secondary/Piggyback. Dose modes, with or without Loading Dose: nanog/h, nanog/kg/min, nanog/kg/h, mcg/min, mcg/h, mcg/kg/min, mcg/kg/h, mg/min, mg/h, mg/24h, mg/kg/min, mg/kg/h, mg/kg/24h, g/h, g/kg/min, g/kg/h, mUnit/min, mUnit/h, mUnit/kg/min, mUnit/kg/h, Unit/min, Unit/h, Unit/kg/h, Unit/kg/24h, Eq/h, mEq/min, mEq/h, mEq/kg/min, mEq/kg/h, mmol/h, kcal/h, kcal/24h, kcal/kg/h, kcal/kg/24h.
Volume to be infused (vtbi)	Macro: From 1 to 9999 mL, in 1 mL increments. Micro: From 0.1 to 2000 mL, in increments of 0.1 mL from 0.1 to 99.9 mL and 1 mL from 100 to 2000 mL.
Infusion time	From 1 minute to 168 hours. Option for delayed start. Call back alert: A warning message can be activated and adjusted from 1 minute to 96 hours.
Priming	Manual or by using the prime function of the pump.
Occlusivity check system	The Occlusivity Check System (OCS) automatically clamps the line, activates pumping and checks for the rise in pressure. The OCS test verifies the circuit and pump occlusivity at start-up, thus reducing the occurrence of unintentional gravity flow.
Bolus	Direct Macro: From 200 to 1500 mL/h, in increments of 50 mL/h Micro: From 200 to 600 mL/h, in increments of 50 ml/h. Programmed Macro: From 1 to 1500 mL/h, in increments of 1 mL/h Micro: From 0.1 to 1000 mL/h, in increments of 0.1 mL/h from 0.1 to 99.9 mL/h and in increments of 1 mL/h from 100 to 1000 mL/h. Direct and Programmed: Programmable by drug via the Vigilant Drug Library software.
Kvo rate (keep vein open)	From 1 to 20 mL/h, in increments of 1 mL/h. Programmable by drug via the Vigilant Drug Library software.
Programmable pause	From 1 minute to 24 hours, in increments of 1 minute.
Data log event	1500 data log events in real time.
Graphical history	Drug name, concentration, flow rate, dose, pressure.
Night mode	The night mode decreases the brightness of the screen and the green lights. The key beep can also be turned off. The night mode can be turned on/off manually or can be programmed via the drug library software to turn on/off at preselected times.
Programming modes	Basic mL/h. Vigilant Drug Library Software: Dose Error Reduction Software (DERS) that allows the pharmacy to define hard/soft dosing limits for each drug.
Care areas	A data set containing up to 19 Care Areas can be created with the Vigilant Drug Library Software.
Drug libraries	Each care area can be defined with one drug library containing up to 200 drugs. This drug library is built using the Vigilant Drug Library software.

Due to our policy of continuous product development as well as changes in standards, the features described are subject to change.

Pressure management	
Pressure modes	Variable: Adjustable from 50 to 750 mmHg, in 25-50 mmHg increments. 3 Level: Adjustable to Low, Medium and High from 50 to 750 mmHg, in 50 mmHg increments.
Dynamic pressure system	The Dynamic Pressure System (DPS) informs the user of any sudden rise or drop in pressure.
Pressure monitoring	Graphic representation of the pressure in the infusion line and of the pressure limit.
Keypad lock	Ability to lock the keypad to prevent involuntary changes.
Anti-bolus system	Back flow pumping reduces the bolus volume after an occlusion to <0.3 mL.

Alarms/security	
Pump status	Green for infusion in progress, yellow for low priority alarm and warnings, red for high priority alarm. Visibility up to 16 feet. All alarms are expressed by means of light indicators, written words, pictograms and sound beeps.
Set installation control	SafeClip control, OCS test.
Infusion control	End of infusion, near end of infusion, downstream occlusion, upstream occlusion, line disconnection, air in line, empty container, unconfirmed setting, end of pause, above upper soft limit, below lower soft limit, upper hard limit.
Device control	Motor rotation check, power source indication, main power disconnection, low battery, discharged battery, technical fault, watchdog check, communication connection failure.

Technical specifications	
Pumping mechanism	2nd generation linear peristaltic pumping system.
Display	Blue graphic LCD monochrome, 2.7 x 1.4 in (70 x 35 mm).
Swinglock clamp	Versatile clamp that allows the pump to be attached to a pole or a rail. Pole: Diameter from 0.6 to 1.6 in (15 to 40 mm). Rail: Width 0.1 x 1.4 in (25 to 35 mm), Depth 0.3 x 0.4 in (8 to 10 mm).
Dimensions - weight	H/W/D 5.3 x 7.5 x 6.7 in (135 x 190 x 170 mm). Weight: approximately 2 kg (4.4 lbs).
Battery	Characteristics: 7.2 V 2.2 Ah - Li-ion Smart battery. When fully charged, the battery life is at least 8 hours for rates up to 125 mL/h. Charging time: Pump OFF: < 8 h / Pump ON: < 20 h.
Compliance standard	EN/IEC 60601-1 and EN/IEC 60601-2-24 / CE 0459 marking in compliance with the EEC 93/42 European Medical Device Directive / EMC.
Ingress protection	IP22.
Electrical compliance	Protection against leakage current: Defibrillation-proof type CF. Protection against electric shocks: class II.
Power supply	100-240 Vac / 50-60 Hz with standard cable, 10 Vdc with specific DC cable.

Disposables	
Free-flow protection	All sets integrate the SafeClip that automatically clamps the line to avoid any risk of free-flow when the door is opened and when the set is disengaged.
Pumping segment	Silicone pumping segment.
Material	All infusion sets are DEHP free and latex free.
Needle-free access	All sets integrate needle-free ports to protect medical staff against the risk of needle stick injuries.

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