



## Agilia® SP

Syringe infusion pump

Easy and intuitive to use

Stand alone or rack mounted

Wide flow rate ranging from 0.1-1200 mL/h and an accuracy of  $\pm 3\%$

2 pressure modes and Dynamic Pressure System (DPS)

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Infusion

<b>Flow rate range</b> 0.1 - 1200 mL/h, depending on the syringe capacity.
<b>Flow rate accuracy</b> ± 1% on mechanism ; ± 2 % on syringes.
<b>Syringe capacities</b> 5, 10, 20, 30/35, 50/60 CC.
<b>Types of syringe</b> Up to 100 types.
<b>Infusion modes</b> mL/h mode. Volume / time: 0.1 - 99.9 mL; 00h01 - 96h00. Volume limit: 0.1 - 999 mL.
<b>Volume infused</b> 0.1 - 999.9 mL.
<b>Priming</b> 3 modes: Mandatory, not mandatory, or advised / Rate: 1200 mL/h.
<b>Bolus</b> Direct bolus: Rate: 50 - 1200 mL/h (50 mL/h increment).
<b>End infusion (V/T &amp; VL)</b> KVO: adjustable from 0.1 to 5 mL/h, continuous infusion or stop.
<b>Fast start</b> Not mandatory prime set by default resulting in fast start if user does not prime with bolus button ensuring programmed flow rate to be reached faster.
<b>Pause</b> Programmable from 1 minute to 24 hours, increments from minute to minute.
<b>Data log event</b> 1500 data log events in real time.
<b>Graphical history</b> Volume / dose infused, pressure, flow rate.
<b>Night mode</b> The night mode decreases the brightness of the screen and the green lights. The key beep can optionally be turned off. The night mode can be programmed manually or automatically in a variable time range.
<b>Profiles</b> Basic Profil: infusion without any display of the drug names.

Pressure management

<b>Pressure modes</b> 2 modes available: variable or 3 pre-set levels - Range from 50 to 900 mmHg. (25 mmHg increment from 50 to 250 mmHg / 50 mmHg increment from 250 to 900 mmHg). Can be enables / disabled and adjusted.
<b>DPS</b> The Dynamic Pressure System - DPS - warns of pressure variations. A risk of obstruction or a possible leak in the infusion line can thus be anticipated.
<b>Pressure monitoring</b> Graphic representation of the pressure in the infusion line and of the pressure limit thanks to the pictogram.
<b>Anti-bolus system</b> Reduces significantly bolus after occlusion release*. ≤0.35 mL max for a 50 mL syringe. * Test condition: Back pressure: 0 mmHg - Syringe: BD Precise.
<b>Alarms / Pre-alarms / Security</b>
<b>Pump status</b> GREEN for infusion in progress, ORANGE for Low and Medium priority, RED for High priority - Visibility at 4 meters minimum. All alarms are expressed by means of light indicators, written words, pictograms and sound beeps.
<b>Syringes installation control</b> Syringe barrel clasp check, plunger head detection, anti-siphon system check, flange detection.
<b>Infusion control</b> Occlusion pressure pre-alarm, occlusion pressure alarm, end of infusion pre-alarm, end of infusion alarm, volume limit pre-alarm, volume limit alarm, keypad manual locking or keypad autolock, hard and soft flow rate limits, start infusion at pause end.
<b>Device control</b> Disengaged driving mechanism alarm, low battery pre-alarm, discharged battery alarm, battery capacity display in hours and minutes, unconfirmed programming, technical malfunction alarm (auto-test, rotation), drive system advance check, watchdog check, communication connection failure, plug-head disengagement, auto-lock/lock code (on Keypad).
<b>Maintenance</b> Preventive maintenance warning.

Technical specifications

<b>Manual pusher</b> Protection for the ongoing infusion thanks to “Push-Guard”.
<b>Display</b> Blue graphic LCD monochrome, size 66 mm x 33 mm (256 x 128 pixels).
<b>Swinglock clamp</b> Versatile clamp that allows the fixation on a rail or on a pole (Pole: 20-40 mm max. / Rail: 25-35 x 10 mm).
<b>Stackability</b> Up to 3 devices self-stackable on a pole.
<b>Dimensions (h/w/d) / weight</b> 135 X 345 X 170 mm / ~ 2.1 kg.
<b>Battery</b> Characteristics: 7.2 V 2.2 Ah - Li-ion Smart battery, remaining battery life and battery charge level available on the display.  Battery Life (when fully charged): > 13 h at 5 mL/h.  Battery recharge: - Pump OFF: < 6 h - Pump ON: < 20 h
<b>Waterproofness</b> IP22
<b>Power supply</b> 100 V - 240 V ~ / 50 / 60 Hz with functional earth.
<b>Compliance</b>
<b>Electromagnetic compatibility EMC</b> IEC 60601-1-2, IEC 60601-2-24
<b>Medical Device Directive</b> CE 0123 marking in compliance with the Concil Directive 93/42/EEC
<b>Electrical Compliance</b> Protection against leakage current: Defibrillation-proof type CF Protection against electric shocks: class II in accordance with IEC 60601-1
<b>Alarm system</b> IEC 60601-1-8
<b>Usability Engineering</b> IEC 60601-1-6 and IEC 62366