





Agilia SP TIVA **Agilia** SP TIVA WiFi

Syringe infusion pumps providing intuitive intravenous anaesthesia

Dose rate programing for lower risk of errors in prescriptions

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

Up to 19 drug libraries

Easy and intuitive to use

Stand alone or rack mounted

2 pressure modes and Dynamic Pressure

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Agilia SP TIVA & Agilia SP TIVA WiFi

Flow rate range

0.1 mL/h increment from 0.1 to 99.9 mL/h (optionally 0.01 mL/h from 0.10 to 9.99 mL/h), 1 mL/h from 100 to 1200 mL/h

Flow rate can be restricted for each drug (soft and hard limits) with Vigilant Master Med, The Dose Error Reduction Software

Flow rate accuracy

+/-1% on mechanism; +/-2% with syringes

Syringes capacities

Type of syringe

Infusion Modes

- · mL/h mode
- Dose rate modes: ng/h, ng/kg/min, ng/kg/h, microg/min, microg/h, microg/kg/min, microg/kg/h, mg/min, mg/h, mg/24h, mg/kg/min, mg/kg/h, mg/kg/24h, mg/m2/h, mg/m2/24h, g/h, g/kg/min, g/kg/h, g/kg/24h, mmol/h, mmol/kg/h, mmol/kg/24h, mU/min, mU/kg/min, mU/kg/h, U/min, U/h, U/kg/min, U/kg/h, kcal/h, kcal/24h, kcal/kg/h, mEg/min, mEg/h, mEq/kg/min, mEq/kg/h
- · TCI infusion mode
- Dilution setting: -- units / mL or -- units / -- mL
- · With or without loading dose
- Volume or dose / time: 0.1 99.9 mL; 00 h 01 96 h 00
- · Volume limit: 0.1 999 mL

TCI Mode

Pharmacokinetic Models:

- · Marsh & Schnider with Plasma and TCI Effect target for Propofol administration in adults
- · Kataria & Paedfusor with Plasma target for Propofol
- · Minto, Gepts & Scott for with Plasma and TCI Effect target for Remifentanil, Sufentanil and Alfentanil administration in adults

Volume/Dose infused

999 mL / Dose: 0.1 - 9999 units

3 modes: mandatory, not mandatory, or advised / Rate: 1200 mL/h

- Direct bolus: Rate: 50 1200 mL/h (50 mL/h increment).
- · Programmed bolus (dose or volume / time): 0.1 99.9 mL 0.01 - 9999 units / 1 second - 24 h

Induction dose

Dose / time: 0.01 - 9999 units / 1 second - 24 h Rate auto-calculation

End infusion (V/T & VL)

KVO: adjustable from 0.1 to 5 mL/h, continuous infusion or stop

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

Programmation from 1 minute to 24 hours, increments from minute to minute

Data log event

500 data log events in real time

Graphical history

Volume / dose infused, pressure, flow rate

The night mode decreases the brightness of the screen and the green lights. The key press sound can optionally be turned off. The night mode can be programmed manually or automatically in a variable time range

Basic profile infusion without any display of the drug names and with TCI modes. 19 Custom profiles configurable with Vigilant Master Med: Drug library to be created with up to 200 drugs

Drug list with a list of drug names

Configuration only: custom pump configuration without Drug Name

Pressure modes

des available: variable or 3 pre-set levels - Range from 50 to 900 mmHg. 250 to 900 mmHg). Can be enabled / disabled and adjusted

The Dynamic Pressure System - DPS - warns of pressure variations. A risk of obstruction or a possible leak in the infusion line can thus be

Pressure monitoring

of the pressure in the infusion line and of the pressure limit thanks to the pictogram

Anti-bolus system

duces significantly bolus after occlusion release* ≤0.35 mL max for a 50 mL syringe

Test condition: back pressure: 0 mmHg - Syringe: BD Precise

Pump status

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

Syringes installation control

nge barrel clasp check, plunger head detection, anti-siphon system check,

Infusion control

pre-alarm, end of infusion alarm, volume limit pre-alarm, volume limit alarm, hard and soft flow rate limits, start infusion at pause end

Device control

driving mechanism alarm, low battery pre-alarm, discharged 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)

Maintenance

Preventive maintenance warning

Manual pusher

n for the ongoing infusion thanks to "Push-Guard"

Blue graphic LCD monochrome, size 66 mm x 33 mm (256 x 128 pixels)

Swinglock clamp

Versatile clamp that allows the fixation on a rail or on a pole (Pole: 20-40 mm max. / Rail: 25-35 x 10 mm)

Stackability

Up to 3 devices self-stackable on a pole

Dimensions (H/W/D) / Weight

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): Agilia SP TIVA and Agilia SP TIVA WiFi (WiFi disabled / not used):
- > 11 h at 5 mL/h Agilia SP TIVA WiFi (WiFi enabled):
- > 6 h at 5 mL/h

- Pump OFF: < 6 h
- Pump ON: < 20 h

Waterproofness

Power supply

100 V - 240 V AC - 50 / 60 Hz with functional earth

Electromagnetic compatibility EMC

CE Mark

mplies with the 93/42/EEC Medical Device Directive or the Medical Device Regulation (EU) 2017/745

Electrical Compliance

tion against leakage current: defibrillation-proof type CF Protection against electric shocks: class II in accordance with IEC 60601-1

Alarm system

Usability Engineering

1/b/g/n. Frequency Band: 2.400 -> 2.500 GHz (2.4 GHz is ISM band) / 4.900 -> 5.850 GHz (High Band)

OFDM with BPSK, QPSK, 16-QAM, and 64-QAM 802.11b with CCK and DSSS

Wireless Security

WPA/WPA2-Entreprise, WPA/WPA2-PSK

Network Protocols

CE, FCC and IC compliant