FRESENIUS KABI

caring for life

Agilia® range for Syringe Pump

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 ± 1% on mechanism
- 2 pressure modes and Dynamic Pressure Systems (DPS)

Agilia® SP MC

Advanced syringe infusion pumps

- Dose rate programmation for less risk of errors in prescription computation
- Wide flow rate ranging from 0.1-1200 mL/h and an accuracy of ± 1% on mechanism
- Adaptable to all protocols
- Up to 19 drug libraries embeded
- Easy and intuitive to use
- Stand alone or rack mounted
- 2 pressure modes and Dynamic Pressure Systems (DPS)

Agilia® SP TIVA

Syringe infusion pumps providing intuitive intravenous anaesthesia

- Dose rate programmation for less risk of errors in prescription computation
- TCI infusion mode
- Wide flow rate ranging from 0.1-1200 mL/h and an accuracy of ± 1% on mechanism
- Adaptable to all protocols
- Up to 19 drug libraries embeded
- Easy and intuitive to use
- Stand alone or rack mounted
- 2 pressure modes and Dynamic Pressure Systems (DPS)

	Agilia® SP	Agilia® SP MC	Agilia® SP TIVA
Infusion			
Flow rate range	0.1 - 1200 mL/h, depending on the syringe capacity.	0.1-1200 mL/h 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 limited according to drug name (soft and hard limits) with Agilia Vigilant DrugLib, IV Medication Safety System.	0.1-1200 mL/h 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 limited according to drug name (soft and hard limits) with Agilia Vigilant DrugLib, IV Medication Safety System.
Flow rate accuracy	± 1% on mechanism ; ± 2 % on syringes.	± 1% on mechanism ; ± 2 % on syringes.	± 1% on mechanism : ± 2 % on syringes.
Syringes capacities	5, 10, 20, 30/35, 50/60 CC.	5, 10, 20, 30/35, 50/60 CC.	5, 10, 20, 30/35, 50/60 CC.
Type of Syringe	Up to 100 types.	Up to 100 types.	Up to 100 types.
Infusion Modes	mL/h mode. Volume / time: 0.1 - 99.9 mL; 00h01 - 96h00. Volume limit: 0.1 - 999 mL.	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, mEq/min, mEq/h, mEq/kg/min, mEq/kg/h 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.	mL/h mode. Dose rate modes: ng/h, ng/kg/min, ng/kg/h, µg/min, µg/h, µg/kg/min, µg/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, mEq/min, mEq/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	NA	NA	Pharmacokinetic Models Marsh & Schnider for Propofol administration on adults. Kataria & Paedfusor for Propofol administration on pediatrics. Minto, Gepts & Scott for Remifentanil, Sufentanil and Alfentanil. Administration in adults. Targets: TCI Effect or Plasma control Modes.
Volume/Dose infused	0.1 - 999.9 mL.	Volume : 0.1 - 999 mL / Dose : 0.1 - 9999 units	Volume: 0.1 - 999.9 mL / Dose: 0.1 - 999.999 units.
Priming	3 modes: Mandatory, not mandatory, or advised / Rate: 1200 mL/h.	3 modes: mandatory, not mandatory, or advised / Rate: 1200 mL/h.	3 modes: mandatory, not mandatory, or advised / Rate: 1200 mL/h.
Bolus	Direct bolus: Rate: 50 - 1200 mL/h (50 mL/h increment).	Direct bolus: Rate: 50 - 1200 mL/h (50 mL/h increment). Programmed bolus (dose or volume / time): 0.1 - 99.9 mL 0.1 - 9999 units / 1 second - 24 h.	Direct bolus: Rate: 50 - 1200 mL/h (50 mL/h increment). Programmed bolus (dose or volume / time): 0.1 - 99.9 mL 0.1 - 9999 units / 1 second - 24 h.
Induction dose		Dose / time: 0.1 - 99.9 units / 1 second - 24 hours rate auto-calculation.	Dose / time: 0.1 - 99.9 units / 1 second - 24 hours rate auto-calculation.
End Infusion (V/T & VL)	KVO: adjustable from 0.1 to 5 mL/h, continuous infusion or stop.	KVO: adjustable from 0.1 to 5 mL/h, continuous infusion or stop.	KVO: adjustable from 0.1 to 5 mL/h, continuous infusion or stop.
Fast start	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.	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.	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.
Pause	Programmable from 1 minute to 24 hours, increments from minute to minute.	Programmable from 1 minute to 24 hours, increments from minute to minute.	Programmation from 1 minute to 24 hours, increments from minute to minute.
Data log event	1500 data log events in real time.	1500 data log events in real time.	1500 data log events in real time.
Graphical history	Volume / dose infused, pressure, flow rate.	Volume / dose infused, pressure, flow rate.	Volume / dose infused, pressure, flow rate.
Night mode	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.	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.	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.
Profiles	Basic Profil: infusion without any display of the drug names.	Basic profil: infusion without any display of the drug names. 19 Custom profiles configurable with Agilia Vigilant DrugLib: Drug library to be created with Agilia Vigilant DrugLib. Configuration only: Custom pump configuration without Drug Name.	Basic profil: infusion without any display of the drug names. 19 Custom profiles configurable with Agilia Vigilant DrugLib: Drug library to be created with Agilia Vigilant DrugLib. Configuration only: Custom pump configuration without Drug Name.
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Pressure modes	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	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	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

Pressure Mgn	DPS	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.	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.	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.
	Pressure monitoring	Graphic representation of the pressure in the infusion line and of the pressure limit thanks to the pictogram.	Graphic representation of the pressure in the infusion line and of the pressure limit thanks to the pictogram.	Graphic representation of the pressure in the infusion line and of the pressure limit thanks to the pictogram.
	Anti-bolus system	Reduces significantly bolus after occlusion release*. ≤0.35 mL max for a 50 mL syringe. * Test condition: Back pressure: 0 mmHg - Syringe: BD Precise.	Reduces significantly bolus after occlusion release*. ≤0.35 mL max for a 50 mL syringe. * Test condition: Back pressure: 0 mmHg - Syringe: BD Precise.	Reduces significantly bolus after occlusion release*. ≤0.35 mL max for a 50 mL syringe. * Test condition: Back pressure: 0 mmHg - Syringe: BD Precise.
Alarms/Pre-alarms/Security	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.	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.	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	Syringe barrel clasp check, plunger head detection, anti-siphon system check, flange detection.	Syringe barrel clasp check, plunger head detection, anti-siphon system check, flange detection.	Syringe barrel clasp check, plunger head detection, anti-siphon system check, flange detection.
	Infusion control	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.	Occlusion pressure pre-alarm, occlusion pressure alarm, end of infusion pre-alarm, end of infusion alarm, volume limit pre-alarm, volume limit alarm, hard and soft flow rate limits, start infusion at pause end.	Occlusion pressure pre-alarm, occlusion pressure alarm, end of infusion 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	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).	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).	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).
	Maintenance	Preventive maintenance warning.	Preventive maintenance warning.	Preventive maintenance warning.
Technical specifications	Manual pusher	Protection for the ongoing infusion thanks to Push-Guard.	Protection for the ongoing infusion thanks to Push-Guard.	Protection for the ongoing infusion thanks to Push-Guard.
	Display	Blue graphic LCD monochrome, size 66 mm x 33 mm (256 x 128 pixels).	Blue graphic LCD monochrome, size 66 mm x 33 mm (256 x 128 pixels).	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).	Versatile clamp that allows the fixation on a rail or on a pole (Pole: 20-40 mm max. / Rail: 25-35 x 10 mm).	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.	Up to 3 devices self-stackable on a pole.	Up to 3 devices self-stackable on a pole.
	Dimensions (h/w/d) / weight	135 X 345 X 170 mm / ~ 2.1 kg.	135 X 345 X 170 mm / ~ 2.1 kg.	135 X 345 X 170 mm / ~ 2.1 kg.
	Battery	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	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): > 11 h at 5 mL/h. Battery recharge: - Pump OFF: < 6 h - Pump ON: < 20 h	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
	Waterproofness	IP22	IP22	IP22
	Power supply	100 V - 240 V ~ / 50 / 60 Hz with functional earth.	100 V - 240 V ~ / 50 / 60 Hz with functional earth.	100 V - 240 V ~ / 50 / 60 Hz with functional earth.
Compliance	Electromagnetic compatibility EMC	IEC 60601-1-2, IEC 60601-2-24	IEC 60601-1-2, IEC 60601-2-24	IEC 60601-1-2, IEC 60601-2-24
	Medical Device Directive	CE 0123 marking in compliance with the Concil Directive 93/42/EEC	CE 0123 marking in compliance with the Concil Directive 93/42/EEC	CE 0123 marking in compliance with the Concil Directive 93/42/EEC
	Electrical Compliance	Protection against leakage current: Defibrillation-proof type CF Protection against electric shocks: class II in accordance with IEC 60601-1	Protection against leakage current: Defibrillation-proof type CF Protection against electric shocks: class II in accordance with IEC 60601-1	Protection against leakage current: Defibrillation-proof type CF Protection against electric shocks: class II in accordance with IEC 60601-1
	Alarm system	IEC 60601-1-8	IEC 60601-1-8	IEC 60601-1-8
	Usuability Engineering	IEC 60601-1-6 and IEC 62366	IEC 60601-1-6 and IEC 62366	IEC 60601-1-6 and IEC 62366