



Agilia ProNeo

Enteral Nutrition Pump
for Neonates

Safe and convenient to use

Automatic detection of syringe capacity

Nutrition flow rates ranging from
0.1 to 200 mL/h

Accuracy of +/- 3%

Dynamic Pressure System

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Agilia ProNeo

Nutrition parameters

Nutrition flow rate range

0.1 - 200 mL/h, depending on the syringe capacity.

Flow rate accuracy

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

Syringe capacities

5, 10, 20, 30/35, 50/60 mL.

Types of syringe

Up to 20 types.

Nutrition mode

- Simple rate: Nutrition with a programmed rate
- Volume/Time: Nutrition of a programmed volume (0.1-99.9mL) over a programmed period of time (1min - 96h)
- Volume Limit: Nutrition with a limitation on the volume to be delivered (0.1-999mL)

Volume delivered

0.1 - 999 mL.

Priming

Rate: depending on the syringe capacity (250-1200 mL/h).

Bolus

Bolus rate depending on the syringe capacity (50-500 mL/h).

End administration (V/T & VL)

KTO (Keep Tube Open): adjustable from 0.1 to 5 mL/h, continuous nutrition or stop.

Delayed start

Programmable from 1 minute to 24 hours, increments minute by minute.

Data log event

1500 data log events in real time.

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.

Pressure management

Pressure modes

2 pressure controlling 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 enabled / disabled and adjusted.

DPS

The Dynamic Pressure System - DPS - warns of pressure variations.

A risk of obstruction or a possible leak in the nutrition line can thus be anticipated.

Anti-bolus system

Reduces significantly bolus after occlusion release.

≤0.35 mL max for a 60 mL syringe.

Alarms / Pre-alarms / Security

Pump status

Green light for nutrition in progress, orange light for low and medium priority alarms, red for high priority alarms.

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.

Nutrition control

Occlusion pressure pre-alarm, occlusion pressure alarm, end of nutrition pre-alarm, end of nutrition alarm, volume limit pre-alarm, volume limit alarm, keypad manual locking or keypad autolock, hard and soft flow rate limits, start nutrition 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).

Maintenance

Preventive maintenance warning.

Technical specifications

Manual pusher

Protection for the ongoing nutrition thanks to "Push-Guard".

Display

Blue graphic LCD monochrome, size 70 x 35 mm (256 x 128 pixels).

Swinglock clamp

Versatile clamp that allows the fixation on a rail or on a pole (Pole: diameter 15 to 40 mm max. / Rail: 25 to 35 x 10 mm).

Stackability

Up to 3 devices self-stackable on a pole.

Dimensions (h/w/d) / weight

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): > 11 h at 5 mL/h.

Battery recharge:

- Pump OFF: < 6 h

- Pump ON: < 20 h

Waterproofness

IP22

Power supply

100 V - 240 V ~ / 50 / 60 Hz with functional earth.

Compliance

Electromagnetic compatibility EMC

IEC 60601-1-2

Safety & essential performance of pump

IEC 60601-2-24

Medical Device Directive

CE 0123 marking in compliance with the Council 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

Alarm system

IEC 60601-1-8

Usability Engineering

IEC 60601-1-6 and IEC 62366