Protected to grow

Safety   Accuracy   Convenience

ProNeo

Light indicators

Syringe flange cradle

Pusher

Syringe barrel clasp

Handle

Swinglock clamp

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 (0.1-999mL) 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 / approximately 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 - 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
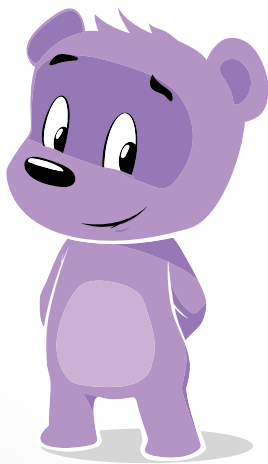IEC 60601-1-8

Usability Engineering
IEC 60601-1-6 and IEC 62366

FRESENIUS KABI
caring for life

Agilia ProNeo
Enteral Nutrition Syringe Pump

Agilia ProNeo

Enteral Nutrition Pump for Neonates

Agilia ProNeo is a syringe pump dedicated to Enteral Nutrition delivery for neonates, prematures babies and pediatric patients.

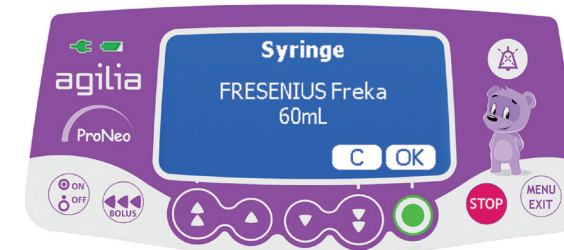The pump and its disposables are designed to improve safety in neonatal and pediatric care units.

With Agilia ProNeo, little patients are protected to grow

Safety

Agilia ProNeo prevents possible confusion between intravenous and enteral delivery

- Purple color and labelling for specific enteral use
- Automatic detection of syringe capacity
- Pushguard and keypad lock for a secured usage

Accuracy

Agilia ProNeo ensures respect of prescribed nutrition in neonatal intensive care unit to achieve a better outcome for neonates.

- Different delivery modes to cover clinical practice needs: Flowrate only / Volume over Time/ Volume limit
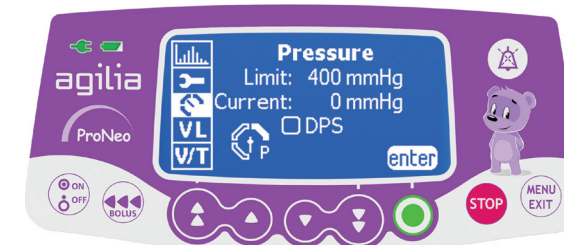- Flowrate accuracy* +/- 3 % for a precise milk delivery

* +/- 1% on mechanism, +/- 2 % with syringes

Convenience

Agilia ProNeo has been designed to be convenient on what matters for newborn nutrition

- Night mode for baby well-being
- Customisable pressure management for milk delivery
- Easy navigation through the menu

ProNeo Product Line

The ProNeo product line for pump offers high flexibility to the users and reliability for the patients.

ProNeo Feeding Tubes
Polyurethane material - soft and transparent, smooth surface to ease the passage

ProNeo Extension Sets
Polyurethane material - soft and transparent

Tube clamp: prevent leakage during preparation/storage

Agilia ProNeo Enteral Syringe Pump
Dedicated to enteral nutrition delivery in Neonatal and Paediatric Care Unit

Fresenius Freka Connect syringes
ENFit syringes from 5mL to 60mL