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FAMED
Żywiec

New level of comfort and safety

Affordable price, very early (VEM) mobilization, antibacterial technology, easier disinfection, alarm systems

Electric hospital bed with VEM functions

Famed NEXO

www.famed.com.pl

Electric hospital bed, ICU bed

Famed NEXO

- The comfort of an electric bed
- Affordable price
- Modern approach to rehabilitation
- Optimized for a limited number of hospital staff

Famed NEXO is an electric hospital bed that provides comfort during hospital stay, both in general departments and in intensive care (ICU). The multitude of functionalities, technological solutions, high durability, easier disinfection and pre-programmed rehabilitation positions have been combined with an affordable price.

COMFORT

- Easy standing up and sitting on the bed, full safety - **minimum heigh of 390 mm.**
- **A multitude of available control options.**
- **Pre-programmed most commonly used positions, incl. examination position, vascular positions and disinfection positions for decontamination tunnels.**
- **Recovery support** - indicators informing about the optimal inclination, VEM, boards that can be used during rehabilitation.
- Easy to disinfect, gently lowerable, antibacterial **SoftDropPlus™** side rails that can be lowered below the bed, operated with one hand.
- **USB socket** for charging mobile devices makes the stay in the hospital more pleasant.

SAFETY

- Helping hand in the fight against infections - plastic elements and varnish were made in the bacteriostatic **pSilver™** technology.
- High side rails along the entire length of the bed, **fully compliant with the medical requirements** of EN 60601-2-52.
- Quick removal of the head board with the possibility of using it as an **additional CPR support**.
- **Extended steel reinforcements**, a lockable board and additional stainless steel stabilizers allow for easy rolling of the bed and safe use of reverse-Trendelenburg function.
- Easily accessible CPR levers - even when the side rails are lowered, one on each side of the bed.
- The buttons activating the controls in the side rails and the panel prevent accidental change of bed position.
- Unlocked wheels alarm.
- Low battery warning.

DISINFECTION

- Fewer elements of the bed pallet, reduced spaces between panels, **chassis and moving parts covered in 91% allow to shorten the disinfection time**.
- Plastic and metal elements (varnish) were made with the addition of silver nanoparticles in the **pSilver™** technology.
- IPX6 degree of protection for improved cleaning process - protected against ingress of liquids (optionally available in IPX6 version for automatic washers).
- NEXO has a dedicated position for washing in BDS - a guarantee of proper drying of the bed and reduction of handling time during washing.
- The control cables are hidden in the side rails mechanisms, which reduces the number of hard-to-reach places during manual washing.

ECONOMY

- **High versatility** - long-term, palliative and bariatric care units, the possibility of selecting options for ICU care.
- **pSilver™** bacteriostatic protection reduces the risk of HAI (Hospital Acquired Infections).
- Durable bed pallet filling (HPL) reduces the risk of losing or destroying individual elements and also **shortens maintenance and cleaning time**.
- **IPX6 version available** with solutions dedicated to decontamination tunnels.
- Moving parts and electronic elements **easily accessible to service teams**, the lack of non-standard tools required for repairs facilitates the work of internal services (hospital technical teams).

NEXO FACILITATES THE WORK OF THE HOSPITAL STAFF

- Central wheel lock - keep patient safe with minimum effort.
- Foot controller - saves time and allows you to combine various activities.
- Function locks - they guarantee that the patient will not change the bed settings against the recommendations.
- Nurse Call system - button in bed (buzzer) or the possibility of connecting to the central hospital system (optional).
- One touch positions - reduce complicated combinations with buttons that set the bed to frequently used, useful positions.
- Easy disinfection - choose the variant of the bed for BDS or use the reduced time of manual disinfection thanks to the covering of the moving parts and the **pSilver™** anti-bacterial silver technology.
- VEM (Very Early Mobilization) functions - very early mobilization of the patient, also in the ICU. Faster recovery of the patient.
- Side rails along the entire length of the bed - ensure the patient's safety regardless of the position of the NEXO. **SoftDropPlus™** side rails can be lowered below the mattress platform level, very close to the structure of the bed - plenty of space around the bed, faster recovery of the patient without the risk of trapping the body or breaking the side rails
- The 5th wheel (option) and the rigid boards with extended reinforcements make it easier to roll the bed and overcome inclines or sharp turns.

COMFORT

A **VEM central panel**. Preset positions (examination, emergency, Fowler, cardiology chair, CPR, vascular position, three VEM (Very Early Mobilization) settings, activation button, lockout buttons, mains disconnection indicator.

B **Control for patient.** Activation button, position adjustments, under bed light, access to the nurse call system. Adapted to the visually impaired (contrasting icons and protrusions describing specific functions).

C **Control for personnel.** Activation button, controlling positions of the bed (including longitudinal tilt), highlighted emergency position.

D **VEM mobilization buttons.** They enable very early mobilization of the patient - helps to get out of bed, the patient rests on the railing, increasing the height with the button.

E **Foot control** (option)**.** It allows you to adjust the height and at the same time work with the patient and assist in changing the position in the bed. It also allows the bed to be placed in reverse-Trendelenburg and examination positions.

Preprogrammed positions. You can easily set useful and frequently used bed positions with a single button and save time.

As many as 9 grip points in the side rails, it allows you to conveniently and safely change positions and get out of bed.

USB socket . Possibility to charge personal devices. Equipped with a sealed cap.

Optimal angle indicator. Indicators help to position the patient in the prevention of ventilator pneumonia (VAP).

Double autoregression. Reduction of excessive pressure in a sitting position in the area of the lumbar spine and shin.

Low position. It allows for safe sleep and comfortable sitting on the bed and getting up. It also allows for easy transfer to a wheelchair.

ONLY 35% HOSPITALS MEET THE STANDARDS OF COMFORT AND SAFETY[1]

We have created the Famed NEXO bed to enable hospitals to improve those standards and quickly raise these statistics

Although the statistics are improving (in 2015 the figure was 74%), still as many as 65% of examined hospitals do not meet the standards defined by an independent organization supervising the health and safety of patients, Leapfrog.

The standards concern primarily:

- percentage of patients who get bedsores in the hospital,
- percentage of patients who had an incident of falling out of bed or other medical incident.

SAFETY

SoftDropPlus™ side rails along the entire length of the bed.

Gas springs ensure a quiet and smooth lowering motion. The constant distance between the elements ensures comfortable and safe usage, preventing accidental trapping of hands. The movement can be initiated with one hand, while the other hand can be used to protect the patient.

Use the head board as a CPR support.

The unique design of the SoftDropPlus™ side rails gives an unprecedented amount of space for a resuscitation action or a mattress. Additionally, the quickly removable, stable head board can be used as additional support under the patient in the case of CPR action.

CPR levers are easily accessible on both sides of the bed.

Convenient to use, easy to spot levers are available on both sides of the bed, regardless of the position of the side rails - in full range of motion of the backrest. The proximity to the patient makes it possible to check his condition on an ongoing basis when lowering the backrest in a life-threatening situation.

Use the best reverse-Trendelenburg angle on the market.

Foot board with lock, 18,5° tilt and extended, large diameter reinforcements allow you to safely move the bed and perform exercises and elements of upright standing therapy. Tilts also help to move the patient on the mattress.

Controls with activation systems.

They reduce the risk of accidental change of position by the patient or the staff (during washing or handling). Only pressing the green activation button enables the work of the controllers.

Central wheel lock.

The levers on both sides of the bed allow easy and quick blocking of the bed - they can also be operated from the front. Clear color coding and acoustic confirmation of the lever position make it easier to recognize the brake position.

NEXO FOR DECONTAMINATION STATIONS

The bed variant in the IPX6 standard enriched with solutions that make the bed resistant to the conditions of BDS.

Famed Żywiec beds have been used in decontamination stations for years. Now after gathering experience with washing in the conditions of BDS we go one step further by introducing chemical protection. The NEXO bed for decontamination tunnels was made with attention to detail appropriate to the conditions that go with this disinfection method.
The entire structure, including the inside of the steel profiles, is protected using the modern CDC method (Cathodic dip coating). Protecting the bed after it has been subjected to metal processing guarantees high strength of welds, connections or holes intended for the outflow of cleaning fluids. Dedicated washing position, controllers prepared for washing in BDS, modifications and stainless details allow for trouble-free operation.

UNIQUE HELPING HAND IN THE PREVENTION OF HAI

Study shows that hospital acquired infections (HAI) are a major threat for both health care providers and the patients[2]. Increased length of stay, rising costs of patient treatment, risk of lawsuits are a big danger for financial situation of the hospital. This is also an inconvenience and an increased risk of hospitalization for the patient. WHO guidelines on hand hygiene in health care clearly states that hands are the most common route of infection[3] - proper hygiene can be supported by technology to limit the bacteria spread. Equipping your hospital with the Famed NEXO bed with pSilver™ technology is one of the best ways to support the HAI prevention program in your facility. The use of pSilver™ technology in places most often touched by the patient and hospital staff reduces the multiplication of dangerous bacteria, fungi or viruses. All plastic and painted elements are made with custom compound with silver nanoparticles.

DISINFECTION

Bacteriostatic pSilver™ technology Plastic elements contain silver nanoparticles - this is a lifetime protection and a guarantee of less frequent reproduction of viruses and bacteria. We use a similar antibacterial additive in the varnish powder. Famed Żywiec has been offering and refining this technology for several years.

Smart-thinking: panels filling the mattress platform. The reduced number of elements that staff have to disassemble for cleaning and the reduced number and size of spaces between the HPL elements means reduced cleaning and disinfection times. The mattress platform cover as much as 91% of the surface, protecting the actuators and pantograph chassis against contamination.

Optimal cables routing. A bed of this class has not only power cables, but also many control and grounding cables. The main one, connecting the bed with side rails has been hidden in the side rails mechanisms. The cables from the control panel are also covered, thanks to which they do not get dirty and are easily accaccessible for service teams.

Dedicated version for automatic washing. The version for washing stations is not only the IPX6 standard, it is also a completely new technology of protection and hundreds of hours of testing in laboratories and washing chambers.

Dedicated button - washing position. At the push of a button, all sections of the bed and the entire bed are set in a dedicated position for washing in BDS. Thanks to this, the bed is not exposed to damage, and the drying process runs smoothly.

Tested resistance to disinfecting agents. The more and more aggressive fight against germs means the constant development of disinfectants. Famed Żywiec, as one of the few manufacturers of medical equipment, has its own laboratory that tests every available agent. We deliver our products with a compatibility list and cleaning recommendations.

Antibacterial pSilver™ technology

HPL transparent to X-rays (MAE 0.39 mm Al)

Bright, contrasting colors on the panel and protrusions on the icons dedicated for visually impaired.

Head board acting as a support for CPR

Side rails along the entire length of the bed

Foot board lock to prevent it from falling out during transport and enabling VEM therapy and rehabilitation

Control panels dedicated to patients and staff

USB sockets - option

Lowest height of 390 mm

Possibility to personalize the bed

Plastic bumpers (less damage for medical equipment and walls)

Hooks with position adjustment

Innovative VEM panel, a multitude of quickly available positions

Anatomical hand grip and very early mobilization panel

Acoustic warning for a low battery

Easy access to CPR levers

Four sockets for mounting accessories

Mattress holders

Bed length extension

SoftDropPlus™ side rails that lower below the mattress platform

Central wheel lock

ECONOMY

While designing the NEXO bed we wanted to offer patients comfort and safety and hospital staff reliable equipment, which would be easy to operate and economical. We want you to be able to afford more.

Legendary Quality and proven effectiveness

NEXO is the next version of the popular hospital bed, the reference base of which reaches almost one hundred countries around the world. Thousands of units proved the quality and durability, and the feedback from the market allowed for even better development of functionalities. Buying a NEXO means buying a symbol of quality and experience.

Low service costs

Famed NEXO is a product of the legendary producer of medical devices – Żywiec factory. A Polish product also means Polish service - with decades of experience and a short response time. NEXO was created with the help of our service technicians, so many service activities are carried out in a simple and quick way.

Increasing biological safety

Fewer places for dirt to collect, a variant for decontamination stations and **pSilver™** plastics and varnish technology help the hospital in the wark agains the risk of infection. This reduces the amount of HAI (Hospital Acquired Infections), which shortens the patient's recovery time and reduces the costs of treating those infections.

Versatility - one bed for many needs

Full compliance with the EN 60601-2-52 standard, full-length side rails, high stability, controls locks, compatibility with orthopedic accessories and functionalities allowing for use in ICU departments ensure high versatility of the product, depending on the current number of patients in the hospital.

Version for BDS

With a huge investment in the automation of the cleaning and disinfection process, it is equally important to choose a durable and well-thought-out design that has proven its quality in hundreds of washing cycles. The NEXO bed has been adapted to decontamination stations with temperatures reaching 65-80° C.

More beds for your facility

Nexo will meet the need to improve the patient's comfort without compromising the hospital's level of safety and will enable you the purchase more beds, translating into increased profitability of the facility.

Reduce re-preparation time for a new patient

The reduced number of items operators have to pull out for cleaning and the reduced number and size of spaces where contamination can enter means shorter cleaning and disinfection times - staff can get more beds ready to go back to work in shorter period of time.

65% OF THE ICU PATIENTS CAN BE MOBILIZED OUT OF THE BED[4]

Early mobilization is one of the most discussed topic in terms of the ICU. Study shows that out-of-bed rehabilitation is possible in **over 65% of the intensive care patients**.

One of the most important thing to consider is the neurological state of the patient - general calmness and ability to follow simple commands are required. An out-of-bed mobilization is any activity where the patient sits over the edge of the bed (dangling), stands, walks or marches.

The correct level of mobilization should be determined by the patient's condition and all the safety criteria[4]:

- respiratory considerations,
- cardiovascular considerations (especially the presence of medical devices),
- neurological considerations,
- other (after surgery requirements/general condition).

The side rails lower below the mattress and below the mattress platform.

This allows patient to slide off the mattress safely when standing up, without the risk of pinching his body. Additionally, it protects the side rail mechanism against breaking.

VEM

Very Early Mobilization - Very early mobilization is an attempt to ensure that the patient returns to full health as soon as possible, shortening the time from surgery to the first rehabilitation treatments.

Very early mobilization of the patient is an essential element of any modern hospital. Famed NEXO makes it easier for the patient to get out of bed and exercise by using dedicated VEM panels, the highest longitudinal tilt parameter on the market, as well as foot board lock, stable boards and side rails with many places for a firm grip. Famed NEXO can help the patient get up and away from bed, encouraging him to regain shape and health. For the hospital, this means faster discharge of patients who are as close to their full recovery as possible.

1 In the **first phase,** based on the patient's condition, the medical staff can decide to raise the backrest to a position of 30° or higher to prevent VAP[5]. At the push of a button on the central panel, the bed backrest will rise up and automatically stop when it reaches a 30° incline, making it easier for the medical staff to work with the patient and providing a better recovery for the patient.

2 In the **second phase** – with the assistance of the medical staff – the bed will do extreme reverse-Trendelenburg position or, in the final phase, a cardiac chair position. This way the staff can check if the patient's condition will allow him to leave the bed in the third phase. By verticalising the patient (the best angle of 18.5° on the market), his ability to stand up can be tested. Using the tilt or using the top as a foot rest, we can do some basic exercises and the physiotherapist can begin a muscle recovery program.

3 In the **third phase**, with the assistance of the medical staff (3), the patient may try to get up. If the patient is strong enough to try to stand on their feet by his own, he can use the dedicated control panel on the outside of the side rail (3B). The anatomical hand rest on the side rail is equipped with up / down buttons (3C), allowing the patient to be raised to a level where they can stand up on their own. If the patient is to weak, medical staff assistance is required.

A hospital bed is a purchase that must have its economic justification. At the same time, we want something more for our patients, something modern, which will allow them for a comfortable and safe stay in the hospital. It seems that Famed Żywiec perfectly combines these features - when we buy a Famed NEXO bed, we know that we buy high quality-equipment from the Polish factory has been working in our facility for many years. At the same time, we value ease of use and easy disinfection - said Evgenii Volkov cardiologist and medical director of the Impuls Medical Center in Kyiv.

FUNCTIONALITIES - AVAILABLE OPTIONS

10-button wired remote control. Controls can be locked from the remote itself - by pressing a button combination.

A panel for the blind and partially sighted (3D-profiled, contrasting markings).

A panel for personnel with quick access to the Trendelenburg tilt.

Unlocked wheel alert and low battery warning

VEM mobilization buttons for the patient (up and down movement available when holding the side rail and standing up).

Central panel (supervisor) with VEM functions, one-button positions and electric CPR.

USB socket for charging mobile devices.

Ambient LED light under the bed.

Sockets for mounting the IV poles in four corners of the bed (two sockets for a hand grip are also available in addition to those 4 sockets).

Bed length extension with lock (not available in the Light version) allows for a comfortable stay also for taller patients.

Bedpan holder

Urine bottle holder

Foot boards with lock.

Fifth wheel makes it easier to guide the bed in narrow places.

Integrated storage space for the power cord, e.g. when transporting the bed.

Plastic hooks that can be removed and moved.

The NEXO bed configurations are selected to ensure maximum comfort and functionality in various price ranges.

NEXO Light has electric control, making it easier to operate the bed - both by the patient and the staff (using a wired remote control). The bed has comfortable, individually locked, large wheels (150 mm). Staff can use the best reverse-Trendelenburg tilt on the market, easy-to-disinfect mattress platform, pSilver™ anti-bacterial technology.

NEXO Comfort additionally introduces the philosophy of very early patient mobilization (VEM) to the ICU and residential departments, thanks to lockable board and a panel with dedicated buttons (also used for rehabilitation). Additional comfort is also offered by a multitude of dedicated positions on the central panel and a central wheel lock. NEXO Comfort can be adapted to taller patients due to the extension of the mattress platform. The look of the bed is made more attractive by colorful graphics in side rails and boards. As an option, you can also order a foot controller and alarm systems.

NEXO Premium introduces to the bed the control in the side rails (from the outside - for the staff and inside - 3D, contrasting buttons for visually impaired) and enables full use of the bed functionality in very early mobilization approach. NEXO Premium is equipped with dedicated patient mobilization panels (VEM).

Function	NEXO Light	NEXO Comfort	NEXO Premium
Panel for patient with aids for visually impaired	-	-	●
VEM rehabilitation panel for third phase of mobilization	-	-	●
Floor light lowering the risk of falls	-	-	●
Lockable boards	●	●	●
Nurse call integration module (WL-99.78)	-	-	○
Remote control (10 buttons) with lock	●	●	●
Central lock	-	●	●
Two additional lock levers on the head side (PL-14)	-	○	○
Individual lock	●	-	-
Length extension	-	●	●
VEM central panel	-	●	●
Graphics in side rails (inserts)	○	●	●
X-ray translucent, easily removable bed pallet	●	●	●
Backrest inclination indicator	●	●	●
Foot control (PL-63.67)	○	○	○
Unlocked wheels alarm (WL-99.77)	○	○	○
Adaptation for automatic washing (BDS)	○	○	○
Degree of protection IPX4*	●	●	●

KEY: - NONE | ○ OPTION | ● INCLUDED

Accessories and options (compatible with every version)**:**

- Height extension adapters (mattress up to 22 cm). [PL-60]
- Fifth wheel. [PK-01.3]
- Orthopedic frame. [RW-09.1]
- Oxygen tank holder (vertical). [PL-36.6]
- IV pole. [WK-12, WK-17]
- Bedpan holder. [WL-20.8]
- Urine bottle holder. [WL-19.7]
- Hand grip. [UR-7.2]
- X-ray cassette tunnel in back rest. [PL-18.5]
- Bed linen shelf. [PL-67.23]
- Mattress for length extension. [MC-47 (160 mm), MC-47.1 (120 mm)]
- 12 cm foam mattress. [MC-28.05W1]
- 16 cm foam mattress. [MC-28.05W5]
- Foam anti-decubitus mattress - 12 cm. [MP-01]
- Foam anti-decubitus mattress - variants - on request.
- Active air anti-decubitus mattress - variants - on request.
- USB socket. [WL-99.75]
- Single color inserts. [PL-12]
- Graphic inserts - custom design. [PL-12, extra paid]
- Bed tilt indicator. [PL-24.4]
- 30° backrest tilt alarm. [WL-99.79]
- Emergency stop of the bed (STOP button). [WL-99.76]

Technical data	LR-15
Length	2180 mm (+ 325 mm bed length extension)
Outer width (with side rails)	986 mm
Internal width (between side rails)	885 mm
Mattress width	850 / 860 mm
Max. mattress thickness	160/220[6] mm
Height reulation (min - max)	390 - 800 mm
Maximum backrest angle	70°
Maximum thigh segment angle	40°
Trendelenburg tilt	16,5°
Reverse-Trendelenburg tilt	18,5°
Backrest autoregression	120 mm
Autoregression of the thigh section	45 mm
Clearance under the bed (height x length)	150 x 1500 mm
Percentage of chassis cove by the mattress platform	91%
Ingress protection (according to IEC [60529] standard)	IPX4*
Maximum load (SWL)	280 kg
Wheel diameter	150 mm

* Control and power supply system protected in IPX6 standard.

[1] HOSPITAL-ACQUIRED CONDITIONS, DATA BY HOSPITAL ON NATIONALLY STANDARDIZED METRICS - The Leapfrog Group
[2] Guidelines for prevention of hospital acquired infections, Indian Journal of Critical Care Medicine, 2014 Mar; 18(3): 149–163
[3] WHO guidelines on hand hygiene in health care: A summary. 2014. Mar 10
[4] Early Mobilization of Patients in Intensive Care: Organization, Communication and Safety Factors that Influence Translation into Clinical Practice, Critical Care volume 22, Article number: 77 (2018)
[5] Hunter J.D., Corry P.R.: „Ventilator – associated pneumonia" BJA CEPD 2002
[6] Requires the addition of side rails height extension - PL-60.

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