



VELA Medical

Manual no. 106057

Item no.: Model

70030	VELA X-Ray Chair
70031	VELA 'Turn+' Thorax Chair
70032	VELA Mammography Chair
70033	VELA 'Basic+' Ophthalmology Chair
70034	VELA 'Move+' Ophthalmology Chair
70035	VELA 'Medium' Exercise Chair
70036	VELA 'Large' Exercise Chair
70037	VELA 'Basic' Surgeon's chair
70038	VELA 'Advance' Phlebotomy chair
70041	VELA 'Support+' Surgeon's chair

ISO 9001
ISO 14001*The chair's design varies depending on the model*

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1.0. INTRODUCTION

DEAR CUSTOMER

Congratulations on your new VELA Medical Chair. This user manual contains useful information about positioning, operating and maintenance.

Important

Please read this user manual thoroughly and keep it for later use. This user manual must always accompany the chair. The user manual is also available on VELA Medical's website: www.vela-medical.com, where you also can find other relevant information about the chair.

If you have questions, experience errors or adverse events, please contact your VELA Medical dealer.

VELA Medical reserves the right to make changes to this manual.

VELA Medical

Gøteborgvej 8-12
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Denmark
www.vela-medical.com

1.1. WARNINGS



Use	In case of an allergic reaction, stop using the chair and consult a doctor
Use	Only use original spare parts from VELA
Use	Only use the supplied charger for charging the chair
Use	Do not make any changes to the accessories that come with the chair
Use	Only use the chair for the intended purpose
Use	Only adjust the seat angle and backrest angle while the user is sitting in the chair and the user's feet are flat on the floor
Use	The chair should always be locked when sitting down or standing up.
Use	The lock bar should only be used to operate the wheel lock. Excessive force on the lock bar may cause the lock bar/holder to break and lose its function.
Use	On slippery surfaces, such as highly polished floors or marble tiles, the chair may slide. In such cases, a 4-wheel lock is recommended.
Use	Never use the chair on surfaces with level differences as the chair may become unstable
Use	Maintenance other than cleaning should always be performed by a professional
Use	Never service the chair while it is in use
Use	Always follow the recommended maintenance and cleaning instructions
Use	The chair's functions are intended for the user. Only the user or trained professionals should adjust the chair while the user is sitting in it
Use	Never use the electric height adjustment for more than two minutes at a time
Use	Risk of shearing or squeezing fingers in moving parts. Therefore, never use the chair if someone is touching underneath the seat
Choking hazard	Choking hazard on small parts. Never allow children to play with the chair, as small parts are removable
Choking hazard	If the chair is equipped with electric height adjustment, cables will be present. Never let children play with these
Electrical disturbances	Using cables other than the standard ones may increase electrical emission or decrease electrical immunity
Electrical disturbances	Portable RF communication equipment (including antennas) may affect the performance of this device. Such equipment should be used no closer than 30 cm (12 inches) to any part of the device or its cables, unless otherwise specified by VELA.
Electrical disturbances	The chair may only be used with accessories mentioned in this user manual, as electro-magnetic interference may otherwise occur
Electrical disturbances	If the chair moves unintentionally or does not work as expected, find another location for the chair

1.2. TROUBLESHOOTING

Mistake	Possible cause and solution
Electric height adjustment does not work	The plug is not plugged into the hand control – plug it in There is no power on the chair's battery. Charge the battery with the supplied charger The fuse is broken. See section 1.3.3 Perform a reset of the actuator. Hold both buttons (up and down) simultaneously for 20 seconds. Keep holding the buttons until the actuator has fully retracted and then moved approximately 5 mm up again.
Manual height adjustment does not work	There is too much load or uneven load on the chair. Try to adjust the height without sitting in the chair. If this does not work, the gas cartridge is defective and should be replaced. Contact your VELA Medical supplier
The wheel lock does not work	The wheels are not locked. See section 2.0.13, 2.0.14. or 2.0.18.
The armrest seems loose	One of the hand screws might be loose. Tighten the hand screw
The chair rolls badly	Wheels are blocked. Clean the wheels for wire residue and the like.
The wheel-lock bar or the base obstructs movement when I move in the chair	You have a chair with seat rotation. Use seat rotation to straighten the chair. See section 2.0.12.
The wheel-lock bar feels loose	The wing screw that secures the wheel-lock bar is looseTighten the screw. See section 2.0.19.

If the above does not solve your problem, you should contact your VELA Medical supplier.

1.3. VELA TANGO WITH ELECTRIC HEIGHT ADJUSTMENT

1.3.1. POWER INPUT

Voltage: 24Vdc

Current: 0.5A

Power: 12VA

1.3.2. EMISSION

A VELA Medical chair with electrical functions has been tested and complies with current requirements regarding electromagnetic radiation (EMC requirements). The chair is tested to the following specifications:

:: Emission class CISPR 11, Group 1, Class B

See more details at www.vela-medical.com

1.3.3. SURGE PROTECTION

A fuse is installed on the chair which secures the chair against power surges. The replaceable part of the fuse has the following specifications:

:: Flat fuse, type: ATOF blade fuse, fast-acting

:: Voltage: 32V

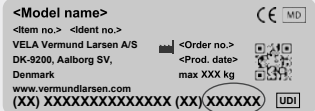
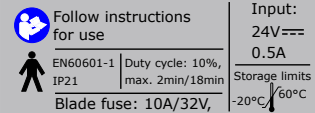
:: Current: 10A

:: Max. current: 1000A

Replacement of the fuse may only be performed by professionals, as the cause of the breach must be documented for safety reasons.

IN GENERAL

1.4. LABELS USED ON THE CHAIR

Warning	Risk of shear and squeeze: Keep hands and fingers away from moving parts	
Icon	Read "Instruction For Use" before use	
Icon	Part used: Type B cf. IEC60601-1 covering the following areas of the chair:	 
Labels	60 x 22.5 mm The last six digits are the product ID number: This label only applies to chairs with electrical functions: The chair is IP21 approved, which corresponds to protection against water droplets as well as against touching dangerous parts with a finger.	 

Labels on the chair should be read at a distance of approx. 40 cm under normal daylight conditions.

For labels related to the operation of the chair, please refer to section 2.0.

1.5. EU COMPLIANCE

This product is a CE-marked medical device (Class I according to Annex VIII) in accordance with MDR (EU) 2017/745. Products with electrical functions comply with the safety requirements of IEC 60601-1, including EMC requirements according to IEC 60601-1-2.

All packaging related to the product complies with PPWR 2025/40.

The manufacturer, VELA - Vermund Larsen A/S, Gøteborgvej 8-12, DK-9200 Aalborg SV, Denmark, is responsible for the product, its packaging, and the corresponding Declarations of Conformity.

1.5.1. INTENDED USE

This device is intended to support a user in a sitting posture while performing indoor activities of daily living including work activities.

- :: The chair is not built to stand on
- :: Always engage the wheel lock when sitting or standing.

All variants of this chair are tested and approved for a maximum load of 160 kg. For optimal use, the chair's recommended user weight is 50-130 kg with gas cartridge and 50-145 kg with electric height.

1.5.2. TRANSPORT

When transporting the chair in a car, plane, or other vehicles, always engage the chair's wheel lock. The chair is not approved as a passenger seat in vehicles and must not be used as such.

The chair is designed to be transported under the following environmental conditions:

Temperature: - 20°C to + 60°C

Humidity: 15-95%

Allow the chair to stand for 24 hours before use if it has been stored below - 10°C.

1.6. WARRANTY

VELA Medical grants a right of claim under applicable law in the country where the chair is acquired. The right of complaint applies only when using original spare parts and accessories, as well as customisations made by professionals.

Note: if an exclusive contractual agreement has been made directly with VELA Medical, this applies!

VELA Medical assumes no liability for damages to the product or the user caused by:

- :: Transportation
- :: Misuse
- :: Normal wear and tear
- :: Wrong use
- :: Use of spare parts and accessories that are not original VELA Medical products
- :: Adjustments made by unauthorised service technicians

1.7. UNPACKING THE CHAIR

The chair comes in environmentally friendly and recyclable packaging.

In case of defects or transport damage to the chair, please contact your VELA Medical supplier right away. In such cases, do not attempt to use the chair or to fix it yourself.

On delivery you have received:

- :: VELA Medical chair
- :: Instructions for use
- :: Charger (only for chairs with electrical functions)

Note: see item 2.0.1 for correct attachment of backrest.

1.8. MAINTENANCE

We recommend an annual inspection of the chair to identify any defective or worn parts. All removable

parts should be tightened regularly. You can find various guides on www.vela-medical.com.

The chair's life expectancy is five years for regular and proper use. We recommend that VELA, your VELA supplier or a trained professional perform an annual inspection with the replacement of worn parts.

1.8.1. WHEELS

We recommended you regularly check the wheels and remove any residual threads, etc. Certain floor types accumulate dirt on the castors. Therefore, clean the castors as needed.

1.8.2. FRAME

Clean with lukewarm water and if necessary, add some pH-neutral detergent.

1.8.3. PADDING

Fabric: Clean by chemical cleaning, with furniture cleaner or with water using a hard-wrung cloth.

Synthetic fabric or leather: Clean with water or mild soap using a hard-wrung cloth.

Medical textiles: Clean as described above. Can also be cleaned with disinfectants and alcohol. To see which specific concentrations the different pad types can handle, see www.vela-medical.com

Note: On www.vela-medical.com you can find cleaning instructions for all our standard upholstery types.

1.9. RECYCLING AND DISPOSAL

This product contains recyclable materials. Therefore, the product must be disposed of in accordance with local regulations and not together with ordinary household waste. Proper disposal and recycling will help prevent negative effects on the environment and people.

Note: Electrical and electronic equipment and accompanying batteries contain materials, components and substances that can be harmful to human health and the environment if the waste is not handled properly.

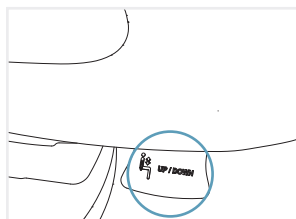
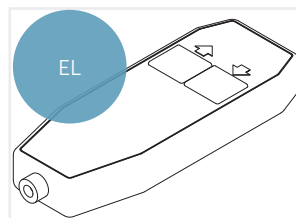
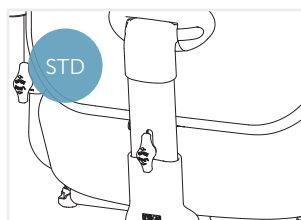
Electrical and electronic equipment and batteries are marked with the icon shown below. This symbolises that electrical and electronic equipment and batteries must not be disposed of together with unsorted household waste but must be collected separately.



It is important that you return your used batteries to the established schemes. In this way, you help ensure that batteries are recycled in accordance with current legislation and do not cause unnecessary harm to the environment.

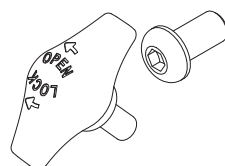
2.0. SETTINGS

The gas spring and the electric lifting mechanism should only be replaced by a VELA Medical technician or a person trained in this field.



2.0.1. ATTACHING THE BACKREST*

The backrest is lowered into the hole. Fasten the backrest using a handle or the provided tool and screw. Remember to tighten well.



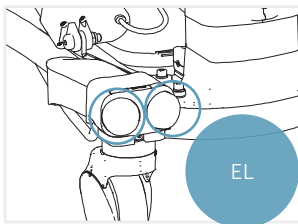
2.0.2. HEIGHT ADJUSTMENT VIA HAND CONTROL (ELECTRIC)

The hand control is used via push buttons on the front. VELA Medical hand controls can have one or more functions. The icons on the hand control show the button functions.
Note: Insert plug in hand control to operate functions. Should only be used continuously for one minute, then a nine-minute break should follow.

2.0.3. HEIGHT ADJUSTMENT (MANUAL)

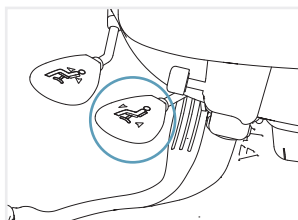
Adjusted by pulling up the front handle on the right-hand side.

Note: Setting the angle of backrest and seat should always be done with your feet flat on the floor.



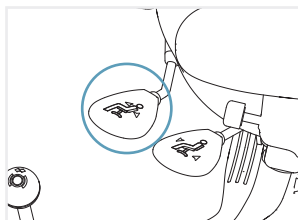
2.0.4. FOOT-OPERATED HEIGHT ADJUSTMENT (ELECTRIC)*

Activate the foot-operated electric height adjustment by pressing the foot against one of the switches on the front of the right wheel tower. Press the right button to lift the chair, and press the left button to lower the chair.



2.0.5. SETTING ANGLE OF SEAT*

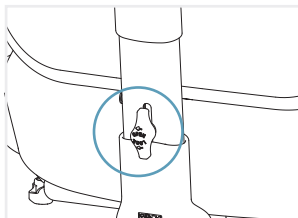
Adjusted by pulling up the middle handle on the right-hand side.



2.0.6. SETTING ANGLE OF BACKREST

Adjusted by pulling up the rear handle on the right-hand side.

Note: Only operate the handle when someone is sitting in the chair - as the backrest tilts forward.

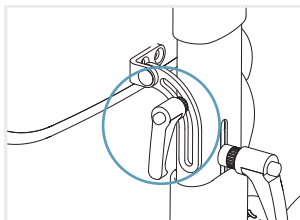


2.0.7. SETTING THE BACK HEIGHT*

Release the handle located on the back. Adjust the back. Remember to tighten the handle afterwards.

Note: This function can only be set using tools on certain models.

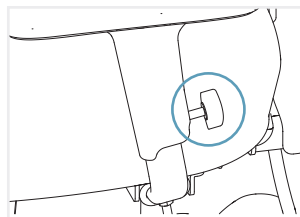
** Depending on model*



2.0.8. BACK BOLT*

The backrest can be set to a specific angle by adjusting and attaching the bolt mounted on the back of the backrest.

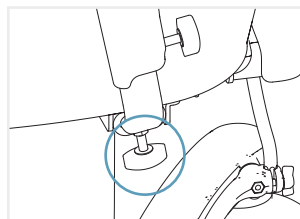
Note: This function can only be set using tools on certain models.



2.0.9. ADJUSTING THE ARMREST HEIGHT*

Adjusted by loosening the screw on the armrest bar and adjusting the height of the armrest. Remember to tighten the screw when done.

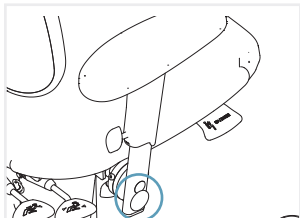
Note: This function can only be set using tools on certain models.



2.0.10. ADJUSTING THE ARMREST WIDTH*

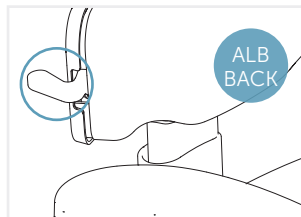
Adjusted by loosening the screw under the seat on the seat support and adjusting the armrest width by pulling out the armrest. Remember to tighten the screw when done.

Note: This function can only be set using tools on certain models.



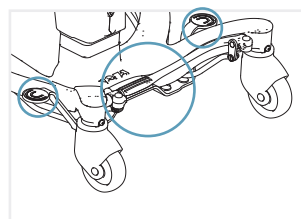
2.0.11. FOLD-DOWN ARMREST*

To fold down the armrest, press the button on the side of the armrest and push the armrest backwards and down. The armrest can also be folded away by pushing it forward and down (only on the VELA "Turn" Thorax chair). **Note:** The armrest is only locked when it is in an upright position. The armrest can only be folded down if the width adjustment of the armrest allows it.



2.0.12. ADJUSTING LUMBAR SUPPORT*

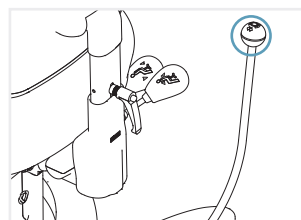
The backrest can be adjusted to provide optimal lumbar support by pulling up the handle on the right-hand side of the backrest. The backrest adjusts to fit and support the lower back. Release the handle, and the backrest remains in the desired lumbar angle.



2.0.13. 360° FOOT PEDAL FOR WHEEL LOCK

The wheel lock can be accessed from all sides of the chair and activated with your foot by pressing down on the lock pedal in the indicated areas.

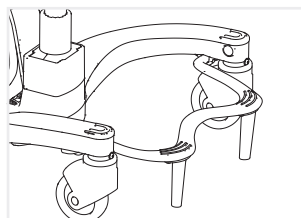
Place your foot under the lock pedal and lift it up to unlock the chair.



2.0.14. WHEEL LOCK*

Engage by pushing the handle on the side of the chair forward. Unlock the chair by returning the handle to the upright position.

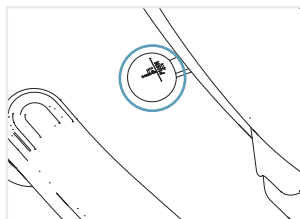
Note: See Adjusting the wheel-lock angle, section 2.0.19, for adjusting the lock's position and distance from the chair.



2.0.15. FOLDING FOOTREST*

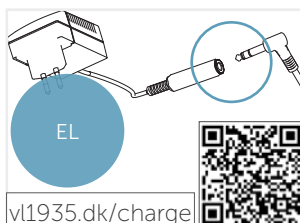
Stabilising foot support that can also be used as a footboard when moving in and out of the chair.

* Depending on model



2.0.16. ROTATION*

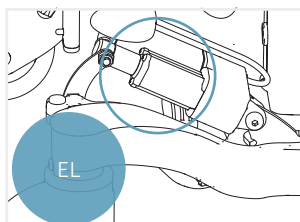
The seat is rotated by pushing back on the front handle on the left-hand side. Rotation can be turned and locked in the following positions: 90° to the left, 0° (neutral), and 90° to the right.



2.0.17. CHARGING (ELECTRIC)

Charge every day. Remove the operation plug from the back of the armrest and place it in the charger as shown. The charger is plugged into an electrical outlet. When the chair is charging, the LED on the charger is yellow. When the chair is fully charged, the LED turns green.

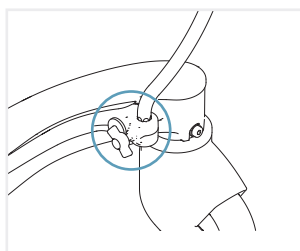
Note: The chair must not be used during charging



2.0.18. ELECTRIC WHEEL LOCK (ELECTRIC)*

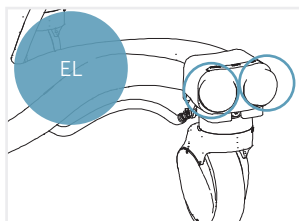
The electric wheel lock is engaged and released via the hand control or switches. It is recommended to fully lock/unlock the chair when using this function.

Note: This lock can only be operated via switches under the armrest, switches on the hand control, or foot-operated electric lock.



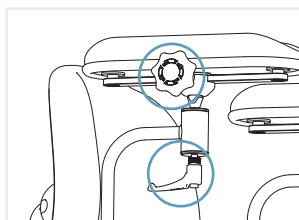
2.0.19. ADJUSTING THE WHEEL-LOCK ANGLE*

Loosen the wing screw on the lock bar and remove the lock bar from the holder. Insert the lock bar on the desired side and at the desired angle. Remember to tighten the wing screw securely. **Note:** The lock can be adjusted in 30° increments. The lock bar can be moved forward/backward and closer to/farther from the chair as needed. The lock can also be moved to the opposite side.



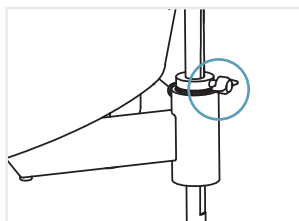
2.0.20. FOOT-OPERATED ELECTRIC WHEEL LOCK (ELECTRIC)*

The electric wheel lock is operated via foot switches by pressing one of the switches located on the front left wheel tower. The right switch unlocks the chair, and the left switch locks the chair. It is recommended to fully lock/unlock the chair when using this function.



2.0.21. ARMREST FOR SURGEON'S CHAIR*

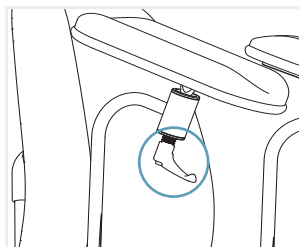
Adjust by loosening the screw on the armrest and regulate the angle. Remember to tighten the screw afterwards. Adjust the cushion back- and forwards by loosening the screw placed on the armrest. Adjust the cushion in the wanted position. Remember to tighten the screw afterwards.



2.0.22. ADJUSTMENT OF ARMREST*

Adjust by loosening the screw on the armrest bar and regulate the height of the armrest. Remember to tighten the screw afterwards.

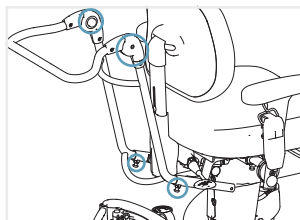
Warning: The armrest rod is only grooved on one side; the screw must be tightened in this groove for the armrest to be used correctly and safely!



2.0.23. ARMREST FOR SAMPLE COLLECTION*

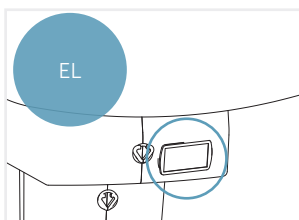
The armrest is adjust by loosening the screw under the cushion and regulate the angle of the armrest. Remember to tighten the screw afterwards.

* Depending on model



2.0.24. STROLLING BRACKET*

Strolling bracket for transporting a person in the chair. The strolling bracket is mounted to fittings under the seat using two screws (See the enclosed ziplock bag). This is also where the depth is adjusted. The height is adjusted by pressing the two buttons on the side of the bracket while the handle is positioned at the desired height.



2.0.25. BATTERY INDICATOR (ELECTRIC)

A battery indicator with a button is located on the front of the chair just below the seat.

One press shows the remaining battery capacity in per cent (%).
Two presses show the remaining battery voltage.

2.0.26. ACCESSORIES

This chair is available with a range of accessories.

See a complete list of accessories at: www.vela-medical.com

Note: Charger is included as an accessory when purchasing a VELA Medical chair with electrical functions.

* *Depending on model*



OID 11:2020

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