HLS healthcare®
better ways for living

VENDLET

Powered Patient Turning Aids

WHAT CAN I USE VENDLET FOR?

VENDLET is a powered turning system for turning or transferring of patients within the bed. The VENDLET system can also be used to transfer the bedridden person from side to side or higher up in bed.

The transfers with VENDLET are used for repositioning, positioning, hygiene, examinations, laying of slings and sheets, etc.

WHO IS THE TARGET GROUP FOR VENDLET?

Potential users of VENDLET are people with significantly reduced movement, or those who are frequently lying within a bed, due to illness or disability. In addition, people with a lot of pain and palliative patients also benefit from the system.

Questions that should be considered when assessing a potential user for VENDLET, include:

- Is the user immobile within the bed?
- Is the user unable to assist the carer with movement and transfers?
- Does the user require in bed care to be delivered by two or more carers?
- Is there a high workload of care within the bed?
- Does the user experience pain during in-bed transfers?
- Is the user bariatric?

You can therefore benefit from working with VENDLET in a wide group of users.

BENEFITS OF USING VENDLET

With VENDLET, the health and nursing staff experience significant improvements in the working environment and the user who is transferred in bed experiences a better quality of care. At the same time, the implementation of VENDLET will optimise several processes in the care work and thus create efficiency improvements.

VENDLET offers significant advantages in terms of quality of care, working environment and delivery of care efficiencies.

WORKING ENVIRONMENT

Avoid caregiver occupational injuries and staff attrition

Ergonomic overload and injury from patient moving and handling, such as lifting, pulling and pushing a patient, is one of the main reasons why employees in the healthcare sector experience pain on a daily basis and long-term debilitation.
Ultimately this leads to high levels of sick leave, early withdrawal and labour shortages within the sector.

A national evaluation of powered turning systems, conducted by the Danish Technological Institute, found the following benefits to healthcare facilities after implementation of VENDLET:

86%

agree or strongly agree that they get a **physically better working environment** for providing in bed care

86%

agree or strongly agree that they **experience less pain** when delivering in bed care

68%

feel **less tired** post-work after delivering in bed care

89%

are **confident** using the powered turning system when delivering in bed care

QUALITY OF CARE

More dignified care, greater comfort and better sleep

When VENDLET is used, the patient will experience a more uniform and calm turn, decreasing muscle tone and provides a better sleep through reduced stimulation

VENDLET also has positive effects on the patient's skin integrity aiding pressure ulcer prevention strategies

With VENDLET it is possible to work 1:1, which gives more presence from the carer and increased dignity for the user. This is confirmed by the evaluation of electronic turning systems from the Danish Technological Institute:

91%

experience **better communication** with staff (an increase of 41 percentage points)

100%

are **satisfied with the personal care received** in bed (an increase of 75 percentage points)

91%

feel **less tired** post-work after delivering in bed care

82%

are **confident** using the powered turning system when delivering in bed care

EFFECTIVENESS

Freeing up resources and creating health economic savings

The use of VENDLET leads to fewer and simpler workflows, which frees up resources for other tasks. A study from the University of Cologne
estimates that as much as €8,296 per patient per year can be saved when utilising the VENDLET system.[1]

In addition, there are reduced expenses for sick leave, work injuries and temporary workers.

VENDLET MODELS

The first VENDLET system was developed more than 35 years ago. And although the basic principle is still the same as then, many improvements have been made to the system over the years.

Today, all VENDLET systems operate as powered patient turning aids, utilising a hand control to raise and lower the bed side rails, as well as turning and moving the patient.

There are currently 4 different VENDLET models, each offering unique benefits:

VENDLET Standard

Product No: 6300000 Max. user weight: 250kg

VENDLET Standard provides you with the lightest and most sustainable design, where the installation is made even more easy and simple.

VENDLET Standard can be adjusted in length and adapted to the vast majority of hospital and care beds, including beds that are considered low height. VENDLET Standard has emergency measures that are appropriate in emergency situations or in the event of a power failure.

With VENDLET Standard, you get the opportunity for high infection control standards, as the slide sheets are without Velcro and the entire system can be retained on the bed when placing inside a washing tunnel.

VENDLET Bari

Product No: 6100150 Max. user weight: 400kg

VENDLET Bari is the bariatric model intended for heavier weight users, with a maximum user weight of 400kg.

The VENDLET Bari is similar in design to the VENDLET V5S Speed Adjust, but has stronger motors to enable the higher maximum user weight.

VENDLET Bari operates as integrated bed rails, and has speed adjust.

COMPARE MODELS

Choosing the right VENDLET solution can be difficult. The following comparison of the 4 VENDLET models gives an idea of what each system can do and what advantages there are to each of the individual models.

Features

	VENDLET Standard	VENDLET Bari
Operation from one side of the bed	✓	✓
Acts as an integrated bed rail	✓	✓
Speed adjustment	✓	✓
Can be placed in a washing tunnel	✓	
Telescopic sides	✓	
Emergency lowering	✓	

Specifications

	VENDLET Standard	VENDLET Bari
Total weight (kg)	42	58
Length (cm)	200-220	200
Height under bed frame	10-20.5	20-35
Mer weight (kg)	250	400
Sheet attachment	QuickTag	Velcro
Material	Aluminium	Steel
Noise level, max. load	55dB (A)	65dB (A)
Height above mattress surface (cm)	-2.5	+2

SHEETS FOR VENDLET

A sliding sheet should be fitted directly to the mattress of the bed. Above this, the turning sheet is mounted, which is fixed on the two powered rollers.

On the new VENDLET Standard, we use a turning sheet, which is mounted down into a groove on the powered roller. This avoids Velcro, which is used on all older models, allowing the system to adhere to strict infection control policies.

All sliding sheets and turning sheets are available in several sizes.

SLIDING SHEET

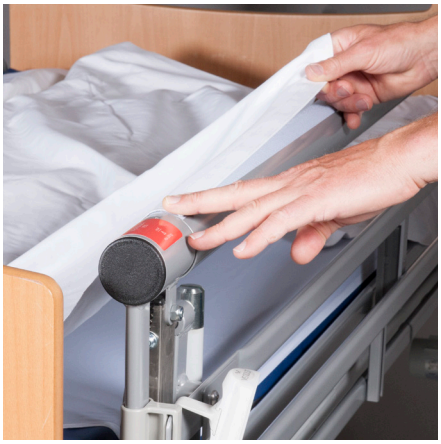
Fits all VENDLET models

Size:	Fits mattress width:	Suitable for mattress length:	Product No:
95 cm	80-90 cm	200 cm	3601001
95 cm - long	80-90 cm	220 cm	3601008
115 cm	95-110 cm	200 cm	3601003
115 cm - long	95-110 cm	220 cm	3601009
135 cm	110-130 cm	200 cm	3601002

TURNING SHEET WITH QUICK TAG

Fits VENDLET standard only

Size:	Fits mattress width:	Product No:
270 cm	80-100 cm	2600200
320 cm	100-130 cm	2600204



TURNING SHEET WITH VELCRO

Fits all older VENDLET models

Size:	Fits mattress width:	Commodity No:
350 cm	80-110 cm	2600000
400 cm	110-130 cm	2600006

AREA OF USE

VENDLET systems can be mounted on the vast majority of nursing and hospital beds. The systems are often used in nursing homes or care centers for the elderly and debilitated persons, or in residential homes for people with disabilities. VENDLET can also be used in your own home for people who receive care from relatives or home care.

VENDLET Standard is also suitable for use in hospitals, as it can be placed inside a washing tunnel.

EVIDENCE

Over the years, a number of studies and cases have been made of the VENDLET system - both in Denmark and abroad. The studies are of varied scope and with different focus, but they all show one or more advantages of using the VENDLET powered patient turning aid.

Over the years, we have also collected a number of statements that describe how a patient, a relative or the nursing staff has experienced the use of VENDLET in a specific situation.

You can read about all the many studies, cases and user testimonials on our website.

IDEA, DEVELOPMENT AND DESIGN

The VENDLET system was originally developed in the late 70s by the Danish engineer, Christian Buus, who developed the system for his daughter. This makes VENDLET the world's first electronic turning sheet.

The system has undergone significant development, optimisation and improvement over the years, refining the system to deliver the highest quality of care for the patient, safest working conditions for the caregiver, and delivering true health economic benefits.

1. Prof. Dr. Hans-Günter Lindner. Process optimisation in nursing with VENDLET V5 in Germany, Great Britain and Denmark: Reduction of cost and strain when moving and handling patients. TH Koln.

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