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Technical Report No. 713068233

Revision: 1

dated 2015-09-11

Client:

Vendlet ApS Egelund 33 6200 Aabenraa DENMARK

Manufacturing place:

Vendlet ApS Egelund 33 6200 Aabenraa DENMARK

Test object:

Accessory for medical beds

Electronic device for handling/turning patients in medical beds,

type: VENDLET V5S / VENDLET V5S+

Test specifications:

EN 60601-1-2-52:2010, clause 201.9.1.101 EN 60601-1-2-52:2010, clause 201.9.2.2

Purpose of examination:

Testing according to the test specification(s).

Test result:

The test results show that the presented product is in compliance with the specified requirements.

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Revision: 1 Page 1 of 9 Project Manager: Dirk Wexlberger Date: 2015-09-11 Phone: +49 511 9663-863 Fax: +49 511 9663-839

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TÜV SÜD Product Service GmbH

Hanover Branch Masurenweg 1-3 30163 Hanover Germany



1 Description of the test subject

Manufacturer's specification for intended use:

The VENDLET V5S and VENDLET V5S+ are used for handling bedridden patients, for example: Turning, moving from one side of the bed to the other, repositioning the patient up in the bed, mobilizing the patient in and out of the bed, transferring the patient from one bed to another

VENDLET V5S has a load capacity of 200 kg.
VENDLET V5S+ has a load capacity of 400 kg and is designed for bariatric patients





[HAN-184759-1]





[HAN-167623-1]



2 Order

2.1 **Date of Purchase Order**

The testing of the test sample (VENDLET V5S) has been carried out per purchase order of Vendlet ApS dated 2015-08-17.

2.2 **Date of Receipt of Test Subject**

The testing has been performed at TÜV SÜD Product Service, Masurenweg 1-3, 30163 Hanover, GERMANY on 2015-08-19.

The test sample (VENDLET V5S) with the TÜV SÜD Product Service GmbH test sample ID HAN-184759-1 was delivered to the test laboratory on 2015-08-19.

The test sample (VENDLET V5S) with the TÜV SÜD Product Service GmbH test sample ID HAN-167623-1 was delivered to the test laboratory on 2015-04-21.

3 **Test results**

Possible test case verdicts:

- test case does not apply to the test object N(.A.) - test object does meet the requirement P(ass) - test object does not meet the requirement F(ail)

Possible suffixes to the verdicts:

- suffix for detailed information for the client C(omment) - suffix for important information for factory inspection M(anufacturing)

TÜV SÜD Product Service GmbH

Hanover Branch

Project Manager:

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Date: 2015-09-11



Clause	Requirement + Test	Result - Remark	Verdict
Prüfpunkt	Anforderung + Prüfung	Ergebnisse – Bemerkungen	Wertung

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Р

Area: C2

Gap between segmented or split SIDE RAILS with both SIDE RAILS raised. Gap between segmented or split SIDE RAILS with both SIDE RAILS raised is required to be

< 60 mm or > 318 mm.

Result:

The 60 mm cylinder tool did not slide into the Opening between HEAD BOARD and SIDE RAIL

NOTE: to meet the requirements of the test specification the height of side rail must be adjusted correctly as described in the user manual

Area: C1







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3.2	Gaps [IEC 60601-2-52:2009, section 201.9.2.2.2] Amendment: The locations identified in Figure 201.109 and 201.110 shall be considered as TRAPPING ZONES for fingers. Distances between moving parts shall always be either less than 8 mm or more than 25 mm (as dimensioned in Figure 201.109). The 200 mm cross-hatched area represents	The area between the inner side of the side rail bar and the actuator is covered by a cover plate.	Р
	the areas of normal reach around the perimeter of the MATTRESS SUPPORT PLATFORM. The 200 mm distance can be measured		
	taking into account any barrier preventing access to fingers (see Figure 201.110). The region within the APPLIED PART and above the MATTRESS SUPPORT PLATFORM shall be considered in the RISK ANALYSIS with regard to finger		
	spacing between moving parts.		

Cover plate



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Project Manager: Dirk Wexlberger Date: 2015-09-11



The locations identified in Figures 201.111 a) and 201.111 b) shall be considered as TRAPPING ZONES for feet.

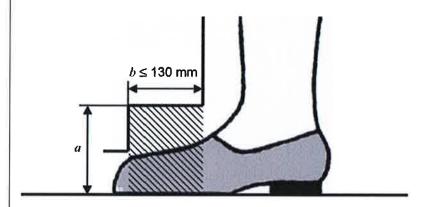


Figure 201.111 a) Foot and toe clearance area between moving parts and the floor

Foot and toe clearance area between moving parts and the floor

For area where $b \le 130$ mm; shall always be $a \ge 120$ mm

NOTE The dimension "a" is only measured from the floor. The dimension "b" is measured from the outer edge of the MEDICAL BED. Including any permanently fixed ACCESSORIES (e.g. SIDE RAIL), if applicable.

Foot and toe clearance area between moving parts and the floor: 125 mm

Note: To adjust the height adjustment mechanism of the bed, the range of the actuator (LA31) can be set by a minimum height regulator.

Ρ

Minimum height regulator



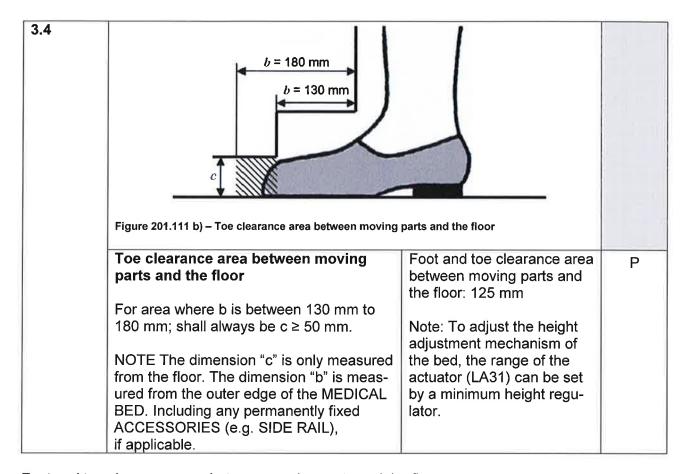


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Foot and toe clearance area between moving parts and the floor



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4 Remarks

4.1 Remark to the test setup

The accessory for medical beds, type: VENDLET V5S was tested in combination with a medical bed. The testing of the medical bed was not part of the manufacturers order and not part of this testing.

In case of a full testing of the medical bed non-compliances can be located.

4.2 Remarks to user manual

The examination of the user manual was not part of the manufacturers order and not part of this testing.

5 Revision History

Rev.0:

Initial Version

Rev.1:

Test object: V5S / V5S+

test object was renamed,

former product name: V5 / V5+new product name: V5S / V5S+

6 Summary

The test results show that the presented product is in compliance with the specified requirements.

TÜV SÜD Product Service GmbH Technical report checked:

i.A. Dipl.-Ing. Torsten Zimmer Department MHS Hanover TÜV SÜD-Product Service GmbH

Project Manager

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TÜV SÜD Product Service GmbH