

# Short Instructions for Use for Homecare ASSKEA *profound*<sup>®</sup> M and *profound*<sup>®</sup> S

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**ASSKEA**<sup>®</sup>  
*medical*



**CE** 1434



AS TO ELECTRICAL  
SHOCK, FIRE AND  
MECHANICAL HAZARDS  
ONLY IN ACCORDANCE  
WITH ANSI/AAMI  
ES60601-1 (2005),  
CAN/CSA-C22.2 No.  
60601-1 (2008)

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The safety of the **ASSKEA prowound<sup>®</sup> M and prowound<sup>®</sup> S** complies with the established technical standards and directives of the German Medical Device Act.

The **ASSKEA prowound<sup>®</sup> M and prowound<sup>®</sup> S** bear the **CE mark CE1434** in accordance with EU Council Directive 93/42/EEC concerning medical devices and meet the basic requirements of Annex I of this directive.

The **ASSKEA prowound<sup>®</sup> M and prowound<sup>®</sup> S** have been tested in accordance with IEC 62353.

The **quality management** system used by ASSKEA GmbH is certified for quality management based on relevant international standards.

The **ASSKEA prowound<sup>®</sup> M and prowound<sup>®</sup> S** are medical suction devices classified as Class IIa in accordance with EC Directive 93/42/EEC Annex IX.

Subject to change and error.

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# 1 Information for the User

## 1.1 How to Use this Instruction Manual





Please read this entire short Instructions for Use before operating the **ASSKEA prowound® M or prowound® S** device for the first time.

Please read the safety instructions (Chapter 1.6) to avoid hazards.

















This short Instructions for Use is a component of the **ASSKEA prowound® M and prowound® S** and should be kept in an easily accessible location.

## 1.2 Icons














### 1.2.1 General Symbols

Symbol	Meaning	Symbol	Meaning
	<b>CAUTION</b> Warning of possible bodily injury or health risk.		<b>WARNING</b> Warning of severe bodily injury or resulting death.
	<b>ATTENTION</b> Warning of possible property damage.		<b>NOTE</b> Note containing useful information and tips.

### 1.2.2 Device and Packaging

Symbol	Meaning	Symbol	Meaning
	Protect from moisture		This device must not be disposed of in domestic waste.
	Protection class II		Order number
	Air pressure limitation		Serial number
	Humidity limitation		Lot number
	Follow the Instructions for Use		Date of manufacture
	Protection class: <b>Type BF</b> (Body Floating)		Manufacturer
	Temperature limitation		Do not use if packaging is damaged!
	Power supply unit		Do not reuse

### 1.2.3 Display

Symbol	Meaning
	Battery full
	Battery weak
	Battery empty
	Up
	Down
	OK (On, Enter)
	Cancel (Off, Back)
	Power supply is connected
	Max pressure / Max time
	Min pressure / Min time
	Keylock (symbol in display) Is activated automatically during operation and can be cancelled by simultaneously pressing the Up and Down buttons.
	Filter run time elapsed; replacement of the internal filter by service is required!
	Alarm default settings X = Sensitivity system closed Y = Check wound dressing sensitivity

### 1.3 Symbol Convention

Symbol	Meaning
•	Enumeration
1. 2.	Perform the process in the specified order.

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## 1.4 Glossary

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### C

Contamination    Contamination means that bacteria and viruses from the wound exudate have come into contact with the interior of the device.

### D

DFS<sup>®</sup>                Double filter system  
 The double filter system comprises the external filter and the bacterial filter integrated in the suction device. The double filter system effectively protects the interior of the device from contamination and overflow. It enables safe preparation and rapid reuse of the product.

### I

IP22                 International Protection / Protection Class  
 The Protection Class defines the degree of protection of the device against contact and ingress of liquids.  
 The **ASSKEA prowound<sup>®</sup> S** is protected against finger access and falling water drops at an incline of up to 15°.

### O

Overflow            Overflow means that the wound exudate is sucked into the interior of the device.

### P

Processing          The processing procedure is required for each new patient. The term processing denotes the process in which parts coming or potentially coming into contact with wound exudate are cleaned, disinfected and replaced if necessary.  
 The processing procedure must only be performed by ASSKEA GmbH or an authorized service partner of ASSKEA GmbH.

### S

s                      Abbreviation for second

### W

Wound exudate    The term wound exudate denotes all collecting liquids and particles that may be formed or present in a wound. The wound exudate is aspirated from the wound using the **ASSKEA prowound<sup>®</sup> S** device and collected in the disposable exudate canister.

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## 1.5 Intended Use

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The **ASSKEA prowound® M and prowound® S** device is designed for the aspiration of wound exudate. It is intended for patients who may benefit from vacuum wound care, especially since it may accelerate wound healing.

### 1.5.1 Essential Features

- Generation of a vacuum
- Generation of volumetric flow
- Aspiration of wound exudate

### 1.5.2 Indications

- Leg ulcer (venous, arterial, mixed)
- Decubitus ulcer
- Diabetic foot ulcer
- Posttraumatic and postoperative wounds
- Initially infected wounds after surgical debridement (bite wounds, insect stings, necrotizing fasciitis)
- Soft tissue injuries (lacerated and contused wounds, decollement injury)
- Injuries with exposition of bone or bradytrophic tissue
- Wound after limb compartment splitting
- Status post skin transplantation (e.g. mesh graft, until adequate healing of the transplant on day 5 or 6)
- Sternal wound infections (after surgical debridement)
- Open abdominal treatment including fistula treatment
- Exudate management
- Facilitation of granulation
- Treatment of first and second degree burns

### 1.5.3 Contraindications

- Exposed vessels that may be compressed by the pressure. This also applies to vascular anastomoses.
- Coagulopathy (risk of bleeding)
- In acute minor to severe wound hemorrhage after injury / surgical debridement
- Tissue necroses
- Unexplored fistulas
- Untreated osteomyelitis
- Malignant wounds
- Exposed organs
- Dry wound conditions, e.g dry or mildly exudating wounds
- Third degree burns

### 1.5.4 Precautions

Precautions must be taken in the following circumstances:

- Patients who receive anticoagulants and have active hemorrhage
- Patients with complicated wound hemostases
- Use of the device in direct proximity to blood vessels, organs, muscles and fascias
- irradiated vessels and tissues
- bone fragments
- Uncooperative patients

## 1.6 Basic Safety Instructions



### CAUTION!

#### Health risks due to the handling of infectious liquids or pathogenic germs.

Infectious and pathogenic germs in the wound exudate cause health risks.

- Perform wound treatment carefully.
- Follow the hygiene, cleaning and decontamination instructions.



### WARNING!

#### Risk of damage due to improper power supply.

Improper operation causes overvoltage in the device which may be transmitted to the operator.

- Ensure prior to startup that the mains supply is designed to operate at supply voltages of 100-240 V alternating current.
- Ensure prior to startup in UL listed markets such as the USA and Canada that the mains supply is designed to operate at a supply voltage of 120 V alternating current.
- Operate the device with the FRIWO (Type: FW 7555M/12) power supply unit only.



### CAUTION!

#### Risk of personal injury from improper handling.

- Use the device for its intended purpose only.
- Never use the device for tracheal aspiration.
- Never use the device for thoracic drainage.
- When using the power supply unit, make sure the power supply unit is connected to the mains supply (100V -240 V AC) only after the power cord plug of the power supply unit has first been connected to the suction device. The separation of the power supply unit from the mains supply must occur in exactly the opposite sequence (first separate the power supply unit from the mains supply (100V - 240 V AC) and then the power cord plug from the suction device).



### ATTENTION!

#### Damage to the device due to improper handling.

- Never aspirate flammable, corrosive or explosive liquids or gases.
- Do not drop the device.



### CAUTION!

#### Safety defects due to improper accessories and spare parts.

The use of accessories and spare parts other than those recommended by ASSKEA GmbH may compromise the safety and function of this device.

Damage caused by using non-recommended accessories and spare parts or by improper use is not covered by warranty in any case.

- Only use original accessories and spare parts.



### ATTENTION!

#### Damage to the device by ingress of liquids.

- Do not use the device near splashing water.
- Do not use the device in damp rooms or while bathing or showering.
- Do not allow the power supply unit, plug and display film to get wet.
- Never submerge the device in water or other liquids (also not while not in operation).



### ATTENTION!

#### Damage to the device by heat.

- Do not cover the power supply unit.
- Keep the device as well as the power cord and power supply unit away from other heat sources.





**Risk of personal injury from strangulation.**

People may strangle themselves on the tubing or the power cord.

- Ensure during aspiration that no unauthorized/uninvolved personnel is near the device.
- Store the device including accessories in the shipping carton.



**ATTENTION!**

**Known or identifiable conditions for medical care within a domestic environment**

- Children and pets must be kept away from the device to ensure that the device is not knocked over or dropped.
- Prior to connecting the power supply unit, ensure that the voltage of the device corresponds to the domestic power supply.
- Do not use the device in damp rooms, baths or showers. Do not allow the power supply unit, plug and switch unit to get wet. Never submerge the device in water or other liquids (also not while not in operation).
- Incident light may negatively effect the readability of the display.



**ATTENTION!**

**Risk of damage due to electromagnetic phenomena**

Medical electrical equipment is subject to special precautionary measures regarding electromagnetic compatibility. Wireless communications equipment such as wireless home network devices, cell phones or cordless telephones may interfere with the operation of the device. It is important to maintain a separation distance `d´ to the **ASSKEA *profound*<sup>®</sup>M and *profound*<sup>®</sup>S!** The separation distance `d´ is calculated as follows:  $d = 2.3 \sqrt{P}$ , where P is the maximum output power rating of the transmitter in watts (W) . The separation distance is calculated in meters.

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## 1.7 User Requirements

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The **ASSKEA *profound*<sup>®</sup> M or *profound*<sup>®</sup> S** device must only be operated and used by instructed patients.

Familiarize yourself with the functions of the **ASSKEA *profound*<sup>®</sup> M or *profound*<sup>®</sup> S** device prior to startup.

Training and instructions are provided by your care provider, physician or hospital medical professional.

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## 1.8 Information on Product Liability

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The liability for the operation of the device is channeled to the operator in the following cases:

- the device is used outside its intended purpose,
- the device is not used in accordance with the Instructions for Use,
- the device is opened by unauthorized personnel,
- the installation, settings, enhancements, routine maintenance or repairs are performed by unauthorized personnel,
- original accessories and spare parts have not been used.
- the device is used beyond its lifetime of 3 years.

## 2 Product Description

### 2.1 Whole View

#### 2.1.1 ASSKEA *profound*<sup>®</sup> M

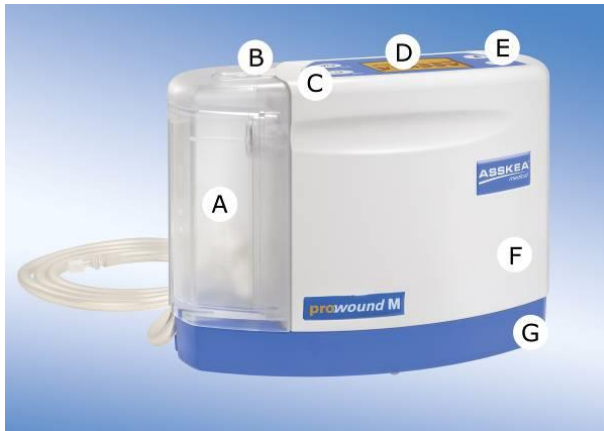


Fig. 1:

- A Disposable exudate canister with integrated aspiration tube
- B Locking mechanism
- C Ⓞ (On) and Ⓞ (Off) buttons
- D Display
- E ▲ and ▼ arrow buttons
- F **ASSKEA *profound*<sup>®</sup> M** device
- G Receptacle for power supply unit

#### 2.1.2 ASSKEA *profound*<sup>®</sup> S



Fig. 2:

- A Disposable exudate container system ("Bag" and "OneWay")
- B Fixture for outer container ("Bag")
- C Connecting tube
- D Display
- E Control panel
- F **ASSKEA *profound*<sup>®</sup> S** device
- G Receptacle for power supply unit

## 3 Operation of the ASSKEA **proound**<sup>®</sup> M and **proound**<sup>®</sup> S



### CAUTION!

#### Risk of personal injury from improper handling.

- Use the device for its intended purpose only.
- Read Section 3.1 and 3.3!



### ATTENTION!

#### Malfunction due to aspirated wound exudate.

- Ensure that the disposable exudate container of the **ASSKEA proound**<sup>®</sup> M and **proound**<sup>®</sup> S is replaced on a regular basis. If the disposable exudate container is full, the integrated overflow protection system is triggered. This disrupts the aspiration process.
- Switch the device off when replacing the disposable exudate container.
- If an overflow occurred, the device must be properly processed by ASSKEA GmbH or an ASSKEA GmbH authorized service partner.

## 3.1 Set-Up and Startup

### 3.1.1 Startup

It is important to follow the safety instructions in Chapter 1.6 prior to initial startup.

Always have one backup disposable exudate container for the **ASSKEA proound**<sup>®</sup> M and one backup "OneWay" aspiration bag for the **ASSKEA proound**<sup>®</sup> S ready, since it is absolutely necessary for safe operation!

- Remove the device and the accessories from the packaging.
- Always place the device on a sturdy and flat surface.
- Inspect all tubing as well as the power supply unit for damage prior to each startup of the **ASSKEA proound**<sup>®</sup> M and **proound**<sup>®</sup> S. It is important to avoid kinking when connecting the tubing. Ensure prior to switching on the unit that the disposable exudate container is properly connected.
- Fully charge the battery prior to initial startup.

Ensure that the device is not placed in direct proximity to devices that emit interfering signals.

Make sure that the device is not operated if it is on or directly adjacent to devices that emit interfering signals.

### 3.1.2 Connecting the ASSKEA **proound**<sup>®</sup> M and **proound**<sup>®</sup> S

Use the power input receptacle of the **ASSKEA proound**<sup>®</sup> M (Chapter 2.1.1, Fig.1 (G)) or the power input receptacle of the **ASSKEA proound**<sup>®</sup> S (Chapter 2.1.3, Fig.2 (G)) to connect the device to the mains supply via the supplied power supply unit (Type: FW 7555M/12) for charging or operation as required.

Use the supplied power supply unit only. First connect the power supply unit to the power input receptacle of the **ASSKEA proound**<sup>®</sup> M or **proound**<sup>®</sup> S and then to the mains supply.

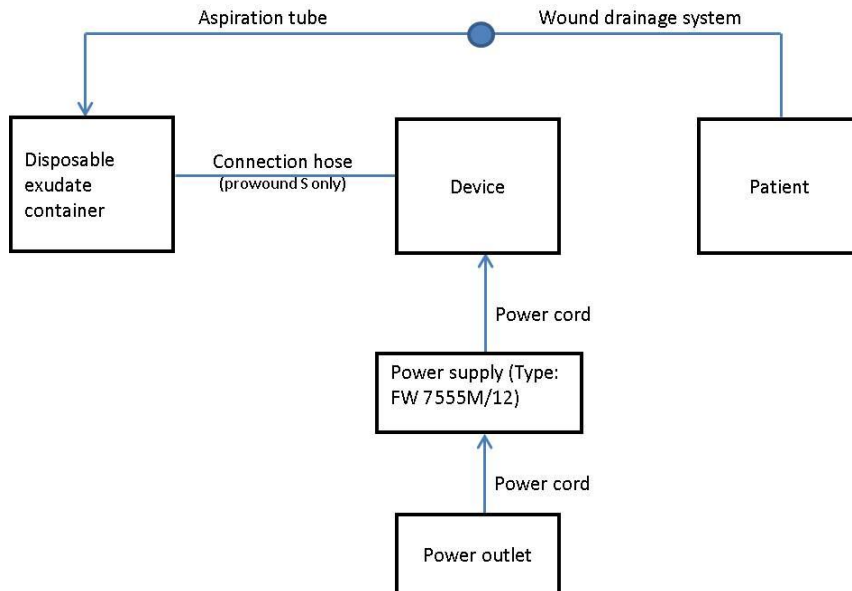


Fig. 3 Connecting the ASSKEA **proound**<sup>®</sup> M and **proound**<sup>®</sup> S to the patient and accessories

### 3.1.3 Connecting the disposable exudate container to the ASSKEA **proound**<sup>®</sup> M

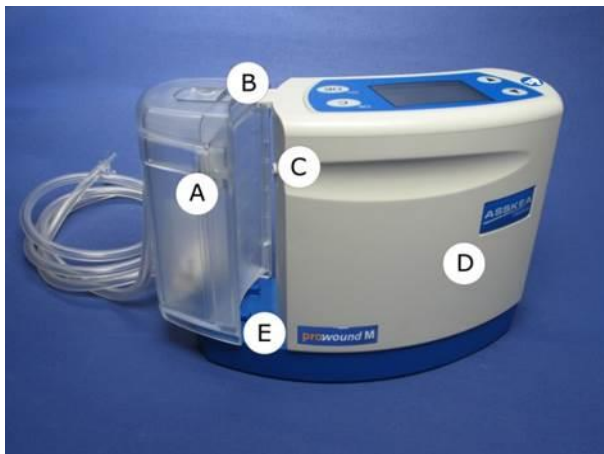


Fig.4:

- A Disposable exudate container including aspiration tube
- B Locking mechanism
- C Aspiration port
- D **ASSKEA proound**<sup>®</sup> M
- E Guiding rail

1. Remove the disposable exudate container (Fig. 3 (A)) from the packaging.
2. Slide the container on the guiding rails (Fig. 3 (E)) of the **ASSKEA proound**<sup>®</sup> M until the disposable exudate container clicks into place in the locking mechanism (Fig. 3 (B)).

### 3.1.4 Connecting the ASSKEA disposable exudate container system to the ASSKEA *profound*® S

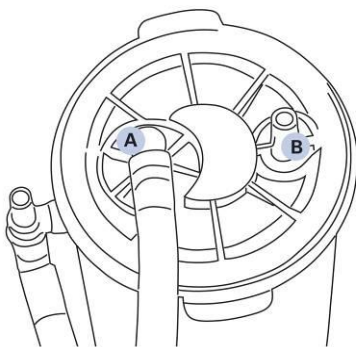


#### Malfunction due to collapsing "OneWay" aspiration bag.

A leak in the "Bag" or at the lid may cause air to flow into the outer "Bag" container. This may lead to the collapse of the "OneWay" aspiration bag.

- Inspect the disposable exudate container system ("Bag" and "OneWay") to ensure that the lid of the "OneWay" aspiration bag is firmly connected to the outer "Bag" container.
- Ensure that all connections are firmly attached.
- Follow the Instructions for Use supplied by the manufacturer!

The original ASSKEA disposable exudate container system consists of the outer "Bag" container, the holder for the outer "Bag" container, the "OneWay" aspiration bag and the connecting tube for "OneWay".



Port names

- A Vacuum port
- B Patient port



Please also follow the Instructions for Use supplied with the disposable exudate container system ("Bag" and "OneWay")!

Fig. 5

1. Remove the "OneWay" aspiration bag from the packaging and fully extend it.

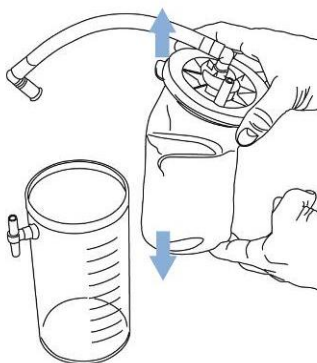


Fig. 6

2. Place the "OneWay" aspiration bag in the reusable outer "Bag" container. Press the lid's edges firmly down to ensure proper sealing.

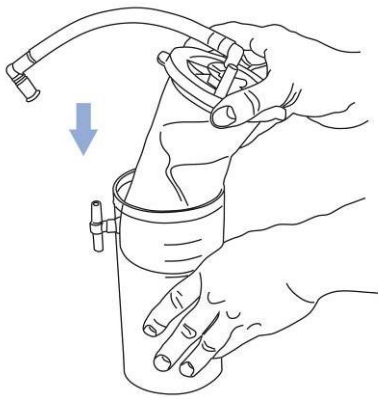


Fig. 7

3. Attach the prefitted connecting tube of the "OneWay" aspiration bag to the bottom end of the T-piece located at the outer container.

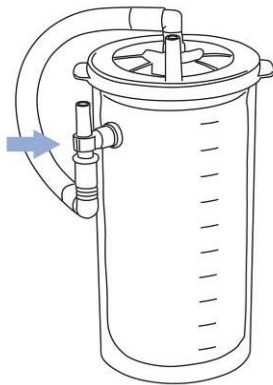


Fig. 8

4. Connect the vacuum port of the device with the corresponding vacuum port of the outer "Bag" container (top end of the T-piece). Use the supplied connecting tube to do so.

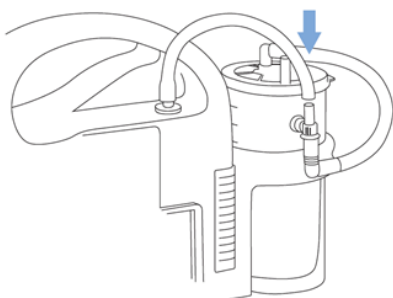


Fig. 9

5. Connect the patient port of the "OneWay" aspiration bag (Fig. 5 (B)) to the aspiration tube.

### 3.1.5 Connecting a wound drainage system

Connect the aspiration tube of the disposable exudate container to the wound drainage system.

The aspiration tube must never come into direct contact with the aspiration area.

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## 3.2 Replacement of the Disposable Exudate Container

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### 3.2.1 ASSKEA *profound*<sup>®</sup> M

1. Close the tubing clamp of the wound drainage system (Fig. 3) to maintain the vacuum in the wound.
2. Switch the **ASSKEA *profound*<sup>®</sup> M** off.
3. Separate the aspiration tube from the wound drainage system and seal the Luer connector with a protective cap.
4. Press on the locking mechanism at the top of the container (Fig. 4 (B)) and keep it pressed while pulling the disposable exudate container horizontally away from the device.
5. Dispose of the disposable exudate container and the integrated aspiration tube in a properly manner. (Please refer to Chapter 7 "Disposal")
6. Place a new disposable exudate container in the device. Ensure that the disposable exudate container is properly seated in the device.
7. Connect the aspiration tube to the wound drainage system (Fig. 3).
8. Switch the **ASSKEA *profound*<sup>®</sup> M** on.
9. Loosen the tubing clamp of the wound drainage system.

### 3.2.2 ASSKEA *profound*<sup>®</sup> S

1. Close the tubing clamp of the aspiration tube (Fig. 3) to maintain the vacuum in the wound.
2. Switch the **ASSKEA *profound*<sup>®</sup> S** off.
3. Separate the aspiration tube from the patient port of the "OneWay" (Fig. 5 (B)).
4. Separate the connecting tube of the "OneWay" aspiration bag at the bottom end of the T-piece of the outer container and attach it to the patient port (Fig. 5(B)).
5. Remove the "OneWay" aspiration bag from the reusable outer "Bag" container.
6. Dispose of the "OneWay" aspiration bag in a properly manner. (Please refer to Chapter 7 "Disposal")
7. Place a new "OneWay" aspiration bag in the reusable outer "Bag" container as specified in 3.1.3. Ensure that the lid of the aspiration bag is properly seated on the outer container and the connecting tube.
8. Attach the aspiration tube to the patient port of the "OneWay" (Fig. 5 (B)).
9. Switch the **ASSKEA *profound*<sup>®</sup> S** on.
10. Loosen the tubing clamp of the aspiration tube.


### 3.3 Starting and Ending the Therapy

1. Press the  button for 1-2 seconds to switch on the **ASSKEA prowound<sup>®</sup> M** or **prowound<sup>®</sup> S**. The following start screen is displayed:





2. After 5 seconds an overview screen is displayed that shows the most recent therapy parameter settings.



3. Press the  button to continue the therapy. The color of the display changes from orange to green.



4. Press the  button to stop the pump.
5. Switch the **ASSKEA prowound<sup>®</sup> M** or **prowound<sup>®</sup> S** off by pressing the  button for 3 seconds.

Additional information on the operation of the devices is provided in the Instructions for Use of the **ASSKEA prowound<sup>®</sup> M** and **prowound<sup>®</sup> S**.



## 4 Troubleshooting









Malfunction	Probable causes	Remedy
Device does not start	<ul style="list-style-type: none"> <li>-Battery is empty</li> <li>- Tubing clamp is closed</li> <li>-Overflow protection system is blocked (disposable exudate container is full)</li> <li>- Internal filter is blocked</li> <li>-Device is still in the <i>Setup</i> mode</li> </ul>	<ul style="list-style-type: none"> <li>-Connect the power supply unit</li> <li>- Verify proper connection of the tubing</li> <li>-Replace disposable exudate container</li> <li>- Please contact the physician, nursing staff or ASSKEA GmbH.</li> <li>-Finalize the selection (please refer to 3.2) and start the device.</li> </ul>


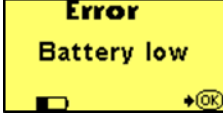





Contact your physician, the nursing staff or ASSKEA GmbH if the malfunction cannot be corrected by the described measures.

## 5 Error Messages


- The alarms are solely alarms that are triggered by the system.
- Alarm messages of high priority are shown in the display with a **red blinking background** and the beeper is sounded (3x, pause, 2x, 3x, pause, 2x) every 3 seconds.
- Alarm messages of low priority are shown in the display with a **static yellow background** and the beeper is sounded periodically (2x) every 15 seconds.
- If the error messages cannot be resolved based on the measures specified in Chapter 4, contact your physician, nursing staff or ASSKEA GmbH.

Error message	Status	Probable cause	Remedy
	Beeper on. Pump off. Discontinuation of the current operating mode.	Disposable exudate container is not connected or not properly connected.	Press the  button to confirm the error message. Check for proper connection. Start pump.
	Beeper on. Pump off. Discontinuation of the current operating mode.	Disposable exudate container is full.  Exudate flow obstructed. (tubing is kinked or stenosis in the tubing).  If the alarm is displayed even if the container is not connected, the internal bacterial filter is blocked.	Press the  button to confirm the error message. Switch off the device.  Replace the disposable exudate container. Check the tubing and wound dressing.  Replace the internal filter.
	Beeper on. Current operating mode continues to run in the background.	Wound dressing is leaking.  Additional probable causes: Tube or container is not properly connected.	Press the  button to confirm the error message.  Switch off the device. Check the wound dressing and re-apply if necessary. Switch on the device. Check the tube connection and the container.
	Beeper on. Pump off. Discontinuation of the current operating mode.	Battery is empty.	Press the  button to confirm the error message. Connect the power supply unit.


Error message	Status	Probable cause	Remedy
	<p>Beeper on. Pump off.</p>	<p>Internal error.</p>	<p>Shortly plug in the power supply unit and unplug again. If the error reoccurs 60 seconds after restarting, contact ASSKEA GmbH!</p>
	<p>Beeper on. Current operating mode continues to run in the background.</p>	<p>Low battery charge level.</p>	<p>Press the  button to confirm the error message. Connect the power supply unit soon.</p>
	<p>Beeper on (after 15 minutes). Current operating mode continues to run in the background.</p>	<p>Pump was not started, the therapy was not initiated.</p>	<p>Press the  button to confirm the error message. Start pump.</p>

## 6 System Specifications

### 6.1 ASSKEA *profound*<sup>®</sup> M

Suction performance of the unit	max. 8 l/min
Pressure	max. -200 mmHg; Conversion factor: 1 kPa ~ 7.5 mmHg
Container	Disposable exudate container (250 ml)
Suction tube	Aspiration tube: PVCnoDEHP tube, 4mm (internal)
Power supply unit	FRIWO 7555M/12, cable length 4m
Nominal voltage of the power supply unit	100 – 240 V AC primary / 12 V DC secondary UL listed markets 120V AC primary
Maximum load current	1.25 A
Supply frequency of the power supply unit	50/60 Hz
Nominal voltage of the circuit board	12 V DC
Power consumption	15 W
Current consumption	1.25 A at 12 V DC
Battery, rechargeable	7.4 V, 4.4 Ah – Lithium ions
Charging time if battery is empty	6 - 7 hours
Charging time if battery is approx. 50% full	3 - 3.5 hours
Dimensions (H x W x D) in mm	220 x 165 x 90
Weight (base unit)	1.2 kg
Operating time	Mains: Continuous operation Battery: approx. 24 – 48 hours, depending on the run time of the motor
Protection class per IEC 60601-1	Type BF
Risk category per 93/42/EEC, IX	IIa
Protection class per IEC 60601-1	II
IP protection class	IP22
CE Mark	CE1434
UL mark	 AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH ANSI/AAMI ES60601-1 (2005), CAN/CSA-C22.2 No. 60601-1 (2008)
Sound emission	Operation: 35 dB (A) High priority alarm: 66 dB (A) Low priority alarm: 63 dB (A)
Ambient conditions	Transport/Storage: -25°C to +60°C with humidity of max. 93% non-condensing  Operation: +5°C to +40°C humidity 15% to 93% non-condensing  Air Pressure: 700 hPa to 1060 hPa
Pressure measurement accuracy	Target pressure > -80 mmHg max. Δ 5 % Target pressure < -80 mmHg max. Δ 10 %
Item number	100514

## 6.2 ASSKEA **prowound**<sup>®</sup> S

Suction performance of the unit	max. 8 l/min
Pressure	max. -200 mmHg; Conversion factor: 1 kPa ~ 7.5 mmHg
Container	Disposable exudate container system "Bag" and "OneWay" (1000 ml)
Suction tube	Various aspiration tube types (depending on the supplier), Recommendation: Disposable aspiration tube, Ø 6 mm (internal), length 150 cm, sterile (100293)
Power supply unit	FRIWO 7555M/12, cable length 4m
Nominal voltage of the power supply unit	100 – 240 V AC primary / 12 V DC secondary UL listed markets 120V AC primary
Maximum load current	1.25 A
Supply frequency of the power supply unit	50/60 Hz
Nominal voltage of the circuit board	12 V DC
Power consumption	15 W
Current consumption	1.25 A at 12 V DC
Battery, rechargeable	7.4 V, 4.4 Ah – Lithium ions
Charging time if battery is empty	6 - 7 hours
Charging time if battery is approx. 50% full	3 – 3.5 hours
Dimensions (H x W x D) in mm	290 x 259 + 100 (container) x 130
Weight (base unit)	2.2 kg
Operating time	Mains: Continuous operation Battery: approx. 24 – 48 hours, depending on the run time of the motor
Protection class per IEC 60601-1	Type BF
Risk category per 93/42/EEC, IX	IIa
Protection class per IEC 60601-1	II
IP protection class	IP22
CE Mark	CE1434
UL mark	 AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH ANSI/AAMI ES60601-1 (2005), CAN/CSA-C22.2 No. 60601-1 (2008)
Sound emission	Operation: 35 dB (A) High priority alarm: 66 dB (A) Low priority alarm: 63 dB (A)
Ambient conditions	Transport/Storage: -25°C to +60°C with humidity of max. 93% non-condensing  Operation: +5°C to +40°C humidity 15% to 93% non-condensing  Air Pressure: 700 hPa to 1060 hPa
Pressure measurement accuracy	Target pressure > -80 mmHg max Δ 5% Target pressure < -80 mmHg max. Δ 10%
Item number	100513

## 7 Disposal



- The components of the device must be disposed of in a proper manner at the end of the product's service life.
- Ensure that the disposed components are clean and carefully sorted by material.
- The housing material has a material symbol mark and fully recyclable.
- Decontaminate the device and the accessories prior to disposal.
- According to EU Directives 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) and 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), the device must not be disposed of in domestic waste.
- The device and accessories may be disposed of via ASSKEA GmbH or the service partner.
- Outside of the EU: Follow the disposal requirements of your country!

This short Instructions for Use does not contain all information. Additional information on the proper use of the **ASSKEA prowound<sup>®</sup> M and prowound<sup>®</sup> S** is provided in the Instructions for Use of the **ASSKEA prowound<sup>®</sup> M and prowound<sup>®</sup> S** or contact your physician, nursing staff or ASSKEA GmbH.

## **8 Contact Information**

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