



PrimeFeed **VILOFOSS**<sup>®</sup>

FirstFeeder<sup>®</sup>



**User manual**

REV: 2020-12-15

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**1 Introduction**

First Feeder gives you a possibility to put your piglet production into ‘turbo’ mode. It has a really good effect on all the production parameters and, as a result, significantly increases the contribution margin.

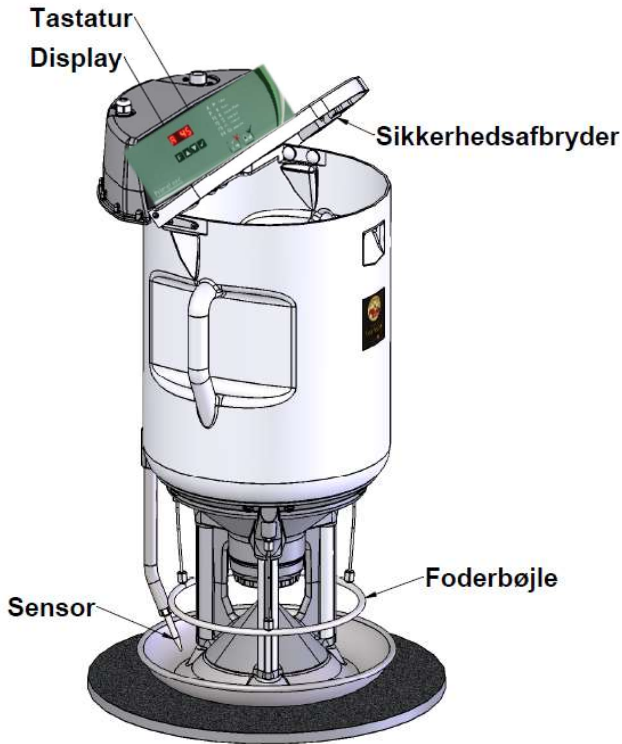
First Feeder improves the productivity of both small and older piglets. Furthermore it can be used as a ‘feeding sow’ for the piglets which, after the 3 weeks nursing period, are lagging behind their siblings from the same litter.

*If you apply First Feeder, we recommend using feed mixtures from the Prime Feed range.*

You achieve the following:

- Feed blended with water increases feed intake and growth.
- Frequent feeding in small quantities ensures a better health of the animals.
- No unwanted growth of bacteria in the feed and, consequently, the preservation of its health and nutritional value.
- Automatic feeding 24 hrs a day significantly improves feed intake and growth.

- Optimization of working time of the personnel, because the trough does not have to be checked and filled several times a day.
- Reduced mortality and medicine use.



<i>Text in the picture, Danish</i>	<i>English</i>
Tastatur	Keyboard
Display	Display
Sikkerhedsafbryder	Safety switch
Foderbøjle	Feeding ring
Sensor	Sensor

## 2 Safety:

In order to prevent accidents, you should always follow the safety rules which are indicated in the manual.

- Make sure that all screens are undamaged and correctly mounted before putting the device into operation.
- Always disconnect the mains power supply of the First Feeder device before performing any service and cleaning. Take the plug out of the socket to prevent accidental start-up.
- First Feeder is equipped with an integrated safety switch, which is mounted in the cover of the feed container. When the cover is being opened, the switch interrupts power supply to the feed mixing system in order to prevent accidental start-up. It is forbidden to disconnect the safety switch because of the danger of personal injury connected with touching the feed auger during operation.
- All electrical installations must be carried out in accordance with local regulations being in force at the place of operation of First Feeder. The device must be plugged into a power supply socket with earth wire and the installation must be protected with a ground fault circuit interrupter.

### 3 Principle of operation:

First Feeder settings are divided into feeding periods of one hour each. For each hour it is possible to indicate the number of minutes in which the feed is to be available for the piglets.

At the beginning of each feeding period the device makes a buzzing sound and at the same time a portion of feed is dispensed.

When the piglets activate the feeding ring, the automatic device releases 10 gram of feed and then adds water in accordance with the desired dry matter content. The sensor ensures that the trough does not become overfilled and the feed is always fresh and hygienic.

### 4 Placement and connection:

The First Feeder device is designed for indoor operation in a frost-free space.

After thorough cleaning, First Feeder® should be placed in the middle of a piglet box (max. 50 piglets pr. device).

Connect First Feeder to 230 V power supply socket with earth wire. The installation must be protected with a ground fault circuit interrupter.

Use square cable with a thickness of at least 1.5 */translator's remark: no unit is mentioned in the source text/*. Make sure that the cable is laid in a safe way, so that there is no risk of it getting damaged, either by the piglets or by the wheels of carts, etc.

## Important notice:

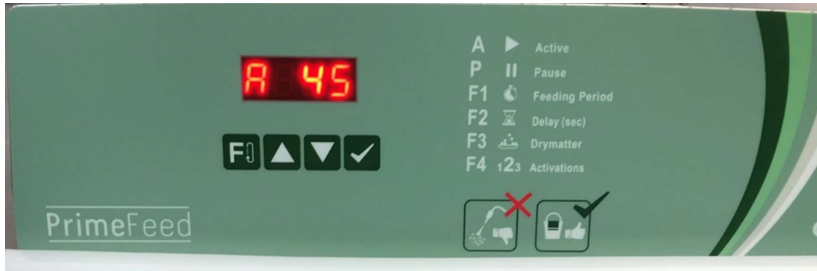
Together with the First Feeder device a 2 metre long water hose is delivered, with a connector at one end and a pressure regulating valve at the other.

**It is crucial for correct operation of the device, that the end with the connector is mounted on the First Feeder and water supply is connected to the pressure regulating valve.**

**The hose acts as a pressure accumulator and equalizes water pressure. Therefore, only the originally supplied hose may be used between the First Feeder and the pressure regulating valve, as it has the correct damping ability.**

Connect a water supply pipe to the pressure regulating valve on the First Feeder. In order to achieve optimal operation of the device, the water pressure should be at least 2 bar and the supply pipe should be at least 0.5 inch in diameter. Water supply connector to the First Feeder, i.e. to the pressure regulating valve, is 0.5 inch in diameter (internal pipe thread). Install the supplied filter between the water supply and the pressure regulating valve.





## 5 Power up:

In the display the following is shown at startup:

**u003**

This indicates the software-version in the controller. In this case the software-version is 003.

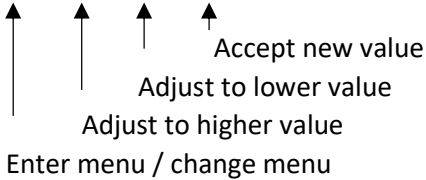
After displaying the software-version, the unit enters normal function, where a feeding is initiated according to the parameters set.

## Display in normal function:

In the Display	Description:
<b>A 43</b>	<b>A</b> indicates that feeding is Active <b>43</b> is the remaining time of the feeding period in minutes.
<b>P 17</b>	<b>P</b> indicates the feeding is paused <b>17</b> is the remaining time of the feeding pause in minutes.
<b>A_08</b>	After the A, a small line can be shown. <ol style="list-style-type: none"> <li>1) A line in the top = Motor is running</li> <li>2) A line in the middle = Dispensing water</li> <li>3) A line in the bottom = Delay before new feeding (adjustable in menu F2)</li> </ol>
<b>----</b>	Too much water detected. Feeding paused.
<b>o</b> <b>l</b>	Display alternating between the 2 symbols while beeping indicates that the lid is open.

## 6 Menu:

The menu is navigated by the 4 buttons.



Menu example:

<p><b>F1:23</b></p>	<p>Menu <b>F1</b> (Feeding period) Value <b>23</b> minutes, active every hour</p> <p><b>:</b> semicolon indicates whether the displayed value has been changed or not.</p> <ol style="list-style-type: none"> <li>1) If the semicolon is displayed constant, the value that is display is the one being used</li> <li>2) If the semicolon is flashing the value is changed but not accepted</li> </ol>
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If the menu has been activated, it will close automatically after 10 seconds if no buttons have been pressed.

Accepted values are used immediately, but will not be permanent saved until the unit exits the menu. If the power is removed from the unit while the menu is active, changed and accepted value will not be saved for next power up.



## **7 Menu settings:**

### **F1 - Feeding period:**

The number of minutes per hour the activation ring can start a feeding. After X number of minutes, the unit enters Pause mode. In the Pause mode no feeding will be started. The Active / Pause cycle is restarted every hour.

### **F2 - Delay (sec):**

The delay in seconds after every feeding has been completed.

### **F3 - Drymatter.**

This value gives the proportion between the drymatter and how much water is dispensed. The value ranges from 0 to 6.

At setting 0, the most water is added to the water.

At setting 6, the least amount of water is added.

### **F4 - Activations.**

Indicated the number of feedings should be given at every activation of the activation ring.

For example, at the value 3:

Activation ring is engaged:

1. Motor running, water dispensed
2. Motor running, water dispensed
3. Motor running, water dispensed
4. Pause for (F2) seconds

Ready for new activation.

## 8 Cleaning

It is recommended to wash the First Feeder device thoroughly before it is used for the feeding of a new herd of pigs.

Always disconnect the mains power supply of the First Feeder device and take the plug out of the socket before performing any cleaning.

Remove any feed residues from the feed container.

First Feeder may only be cleaned with a brush and water from a bucket or hose at low pressure. Never use high pressure cleaner.

The operator's panel may be wiped with a moist cloth.

Let the device dry completely before taking it into use again.

**Cleaning of water nozzles:** Check water nozzles in the red fitting under the feed container regularly for stoppages. In order to facilitate the cleaning of nozzles, the red fitting may be removed with a special wrench which is supplied together with the device. Screw the red fitting on again and remember not to re-tighten it too hard. Therefore it is recommended to tighten the fitting only by hand.





## FIRST FEEDER®

– den letteste vej til succesfuld fravænnning

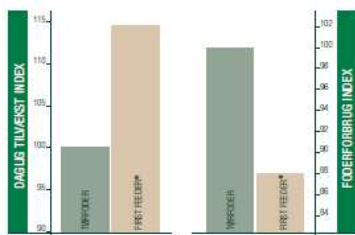
First Feeder® er udviklet til at passe på både store og små fravænningsgrise, så der opnås en succesfuld fravænnning. First Feeder® efterligner soen ved at tilbyde grisene små friske portioner foder opblandet med vand flere gange i døgnet.

### ØGET TILVÆKST OG LAVT FODERFORBRUG

Hyppige udfodringer af opblandt foder hele døgnet, sikrer et jævnt foderindtag og dermed optimal tilvækst og sundhed. Maskinens jævnlige aktivitet vækker grisenes nysgerrighed hvilket øger grisens foderoptag, og giver grisene en sund tarm. Flere forsøg viser, at First Feeder formår at give selv de mindste grise (under 4 kg) en succesfuld fravænnning - også uden brug af medicinsk zink.

### DIN STABILE OG TROFASTE MEDARBEJDER

Fordele ved opblandt foder til smågrise, er ens ved anvendelse af hhv. langtrug og First Feeder. Ved brug af langtrug, er det vigtigt at foderet bliver ædt op inden for 15-30 min. Hvis ikke, medfører det dårlig hygiejne da rest-foderet er grobund for bakterier – særligt ved indhold af mælkeprodukter. Bakterierne øger risikoen for sygdom, og derved nedsæt vækst.



Forsøg udført uden brug af medicinsk zink.

Opretholdelse af god hygiejne i langtrug er en tidskrævende opgave. First Feeder sikrer god hygiejne, da der kan indlægges foderpauser, så grisene får tært truet helt og gammelt foder ikke står tilbage. Der opnås desuden et lavere foderforbrug ved First Feeder, bl.a. grundet reduceret foderspild.

	LANGTRUG	FIRST FEEDER®
OPBLØDT FODER	XXX	XXX
HYPPIG FODRING	X	XXX
HYGIEJNE	X	XXX
FODERFORBRUG	X	XXX
TIDSBESPARENDE		XXX

F30072

Hvis du vil vide mere, kontakt din lokale DLG-konsulent eller vores kundecenter på 3368 6000