

Instruction Manual

# Nedap SmartFlow Float, model VP4002



## Safety Instructions

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Original instructions



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**Warranty and spare parts**

Please consult the Nedap products dealer from whom you purchased this product, in regards to the applicable warranty conditions. This product cannot be used for any other purpose as described in this document. If the product is not installed according to this document; the warranty provided is not applicable. At the sole discretion of Nedap N.V., Nedap N.V. may decide to change the conditions of the warranty policy. You agree that Nedap N.V. is able to compensate you the pro-rata value of the warranty involved rather than replacing or repairing the product depending on the technical or economical value of the product. Prior to applying the warranty, please verify if you comply with the warranty conditions of the warranty policy, whether you can successfully apply for the replacement or repair of a defective part. Parts can only be replaced with original Nedap parts, otherwise the warranty policy will not be applicable on the product. If the warranty is applicable, please contact the dealer or send the defective parts to the dealer.

**Additional information**

For any information or questions regarding the product, please contact your own dealer.






The installation manual for this product can be found at: [www.nedap.com/livestockmanagement-portal](http://www.nedap.com/livestockmanagement-portal)








# 1 Safety

Read this manual before using this product. Failure to follow the instructions and safety precautions in this manual may result in serious injury or death. Keep this manual in a safe location for future reference.

## Symbols used in the manual

 <b>Danger</b>	Indicates a hazardous situation that, if not avoided, will result in death or serious injury.
 <b>Warning</b>	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
 <b>Caution</b>	Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.
	Indicates important information but not hazard related.
	Suggestions and advice to perform certain tasks more easily.

## General safety instructions

-  **Warning**  
*Always turn off the mains power supply when working on the electrical installation.*
-  **Warning**  
*Always wear proper protection when installing and maintaining the Nedap SmartFlow.*
-  **Caution**  
*Installation and service should only be done by locally qualified personnel.*
-  **Caution**  
*Install the system according to the local rules and regulations.*
-  **Caution**  
*We advice to install and maintain the Nedap SmartFlow with at least 2 persons.*

## Working environment

-  **Caution**  
*The installation area must be free from any obstacles, including animals.*





**Caution**

*Make sure all components are installed out of reach of animals.*



**Caution**



*Make sure all cables are properly concealed, and form no danger for stumbling.*

## Animal welfare and safety

The automated actions of the Nedap Livestock Management systems do never discharge the installer and the user of the system from his/her responsibility to assure **and** to take care of the well-being of the animals.



## 2 Compliance

Region	Certification <sup>[1]</sup>
Europe	
USA	FCC ID: CGDVP4002
Canada	IC: 1444A-VP4002
Australia	
New-Zealand	R-NZ

[1] All relevant certificates and declarations are available at our Business Portal: <https://www.nedap.com/livestockmanagement-portal>

### FCC and ISED Compliance statement

This device complies with part 15 of the FCC Rules and with RSS-210 of Innovation, Science and Economic Development Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Cet appareil se conforme aux normes CNR-210 exemptés de licence d'Innovation, Sciences et Développement économique Canada. L'opération est soumise aux deux conditions suivantes: (1) cet appareil ne doit causer aucune interférence, et (2) cet appareil doit accepter n'importe quelle interférence, y compris l'interférence qui peut causer une opération non souhaitée de cet appareil.

Les changements ou modifications n'ayant pas été expressément approuvés par la partie responsable de la conformité peuvent faire perdre à l'utilisateur l'autorisation de faire fonctionner le matériel.

### FCC and ISED Radiation Exposure Statement

This equipment complies with FCC and Canadian radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme à CNR-102 limites énoncées pour un environnement non contrôlé.

### FCC and ISED Information to the user

**Note:** This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. To ensure compliance with FCC regulations, use only the shielded interface cables provided with the product, or additional specified components or accessories that can be used with the installation of the product.

This Class B digital apparatus complies with the Canadian standard ICES-003. Cet appareil numérique de Classe B est conforme à la norme Canadienne ICES-003.

## CE

Hereby NEDAP N.V. declares that the subject equipment is in compliance with the directives 2014/53/EU (Radio Equipment Directive) and 2011/65/EU (Restriction of the use of certain hazardous substances). The full text of the EU declaration of conformity is available at our Business Portal: <http://www.nedap.com/livestockmanagement-portal>.




# 3 Handling instructions

## Storage

- If the product is to be stored for some time, make sure that it is under a protective cover to prevent dirt and moisture from entering.
- Do not expose the product to direct sunlight and / or adverse weather conditions such as storm, rain, hail or snow.
- See Summary technical specifications (page 6) for the storage temperature range and relative humidity.

## Disposal

The owner or last user of the product is responsible for the proper disposal of (parts of) the product according to local rules and regulations.

The WEEE  symbol in Europe indicates that the relevant electrical product or battery should not be disposed of as general household waste in Europe. To ensure the correct waste treatment of the product and battery, please dispose them in accordance to any applicable local laws of requirement for disposal of electrical equipment or batteries. In so doing, you will help to conserve natural resources and improve standards of environmental protection in treatment and disposal of electrical waste (Waste Electrical and Electronic Equipment Directive WEEE 2012/19/EU).



## 4 Summary technical specifications

 See the installation manual for all technical specifications. The installation manual can be obtained from your dealer or on our Business portal: <http://www.nedap.com/livestockmanagement-portal>.

Item	Specification
<b>Electrical supply</b>	
Supply voltage	Lithium coin cell 3,0 V (internal)
<b>Antenna</b>	
Operating frequency (center)	Europe: 867.2 MHz - 869.6 MHz Japan: 918.6 MHz - 921.8 MHz Rest of the world: 921.8 MHz - 924.2 MHz
Max. transmit power	< 1mW E.r.p.
<b>Environmental</b>	
Operation temperature range	-10 to 50 °C (14 to 122 °F)
Storage temperature range	-20 to 70 °C (-4 to 158 °F)
Relative humidity (non-condensing)	< 93%
Protection against water and dirt	IP67
<b>Compliance</b>	
Certificates and declarations	All relevant certificates and declarations are available at our Business Portal: <a href="http://www.nedap.com/livestockmanagement-portal">http://www.nedap.com/livestockmanagement-portal</a> .

