

USER MANUAL

Safety Net

REVISION 2

AKVAGROUP™
EGERSUND NET

SUMMARY

It may sometimes be necessary to remove fish from a fish farming net for various reasons, such as sampling, moving or delivering fish. Doing so involves an increased risk of fish ending up in the sea, and therefore a safety net must be used between the floater and the boat.

The safety net has a rope around the edge, and the size of the net may vary depending on the intended purpose.

Safety nets are manufactured in accordance with the requirements for extra equipment in Norwegian Standard 9415:2021 and the Nytek23 regulations.

When using a safety net, it is important to be aware of certain risks:

- If any loops or ropes are worn and weakened, they may break while fish are being moved between the fish farming net and the boat, which may result in fish getting outside the safety net and into the sea.
- There must be no holes in the netting, otherwise fish may fall through and end up in the sea.

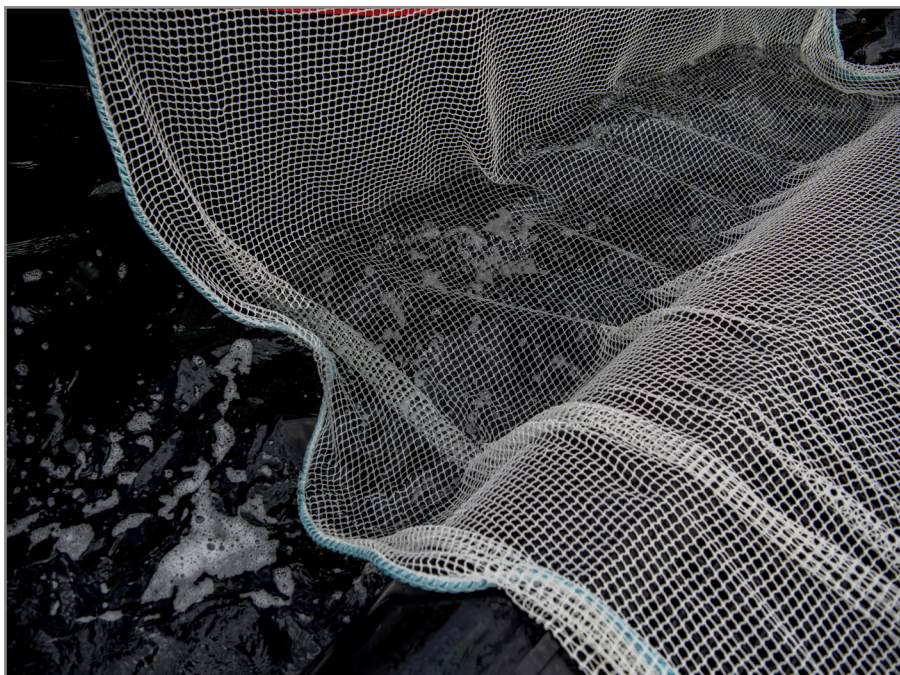
Maintenance of safety nets is essential to ensure safe use and optimal service life.

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1 THE SAFETY NET AND ITS COMPONENTS

1.1 Components with specifications/construction



The safety net is a piece of netting positioned between the floater and the boat. It is used when fish are being taken out of the floater to prevent them falling into the sea and escaping. The equipment is made of netting, and it usually has rope/lead rope and loops or rings fitted around its edge. The size of the net may vary depending on the intended purpose.

1.2 Assumptions and limitations

Safety nets from AKVA Group Egersund Net are manufactured to ensure that fish do not end up in the sea when being removed from a fish farming net. It must not be used for any other purposes. The net must be suitable for its intended purpose. It is important to consider how the safety net and other components in a complete system affect each other.

1.3 Modification, renovation and enlargement



Any modification or renovation of safety nets must be carried out in consultation with AKVA Group Egersund Net.

AKVA Group Egersund Net should be contacted prior to any renovation or modification.

1.4 Discrepancies and managing faults

If any faults or defects are discovered in the net, this must immediately be reported to our sales representative or to one of our service facilities. The type of fault or defect will determine what measures are to be taken:

- whether the fault or defect is to be rectified on site
- whether the safety net must be returned to the nearest service branch

2 INTERACTION WITH OTHER COMPONENTS

2.1 Interaction with fish farming net



The safety net must be suitable for its intended purpose. If, for example, it is to be hung between a floater and a workboat or well boat, it must be big enough to cover the distance between the two. It is essential to check the net before use to ensure that it is not worn and that there are no sharp edges or holes in the net.

2.2 Interaction with floater



The safety net should be attached to the floater handrail. It is important that it is attached in a way that will not cause unnecessary strain on the floater.

The safety net must not be attached for longer than necessary, and must be removed after completion of the work operation, such as transferring fish.



3 INSTALLATION AND USE OF SAFETY NET



3.1 Checking documentation and checkpoints before installation and use

Before using the safety net, ensure that the user manual is available. Check the net for any damage. Visible damage to the product is a sign that something has happened to the safety net during transport or storage. In some cases, particularly close inspection of the net will be required.



Applicable procedures must be reviewed before the start of the operation. The operations manager or personnel with the appropriate experience and competence must be responsible for the operation, and the various tasks must be assigned. The correct personal protective equipment must be worn, and the right type of lifting equipment must be used when using a crane. Any equipment in the vicinity of the safety net must be removed or secured. Make sure that the net is intact and undamaged. The operation must be monitored.

3.2 Installation and use

- The safety net should be installed where it is needed, such as where fish are to be transferred from a fish farming net into a workboat.
- The net should be securely fastened so that it hangs properly and cannot come loose while the fish are being transferred. Loops or rings fitted to the rope around the net may be useful here.
- The net will act as a safety measure and will catch any fish that fall out when being transferred from the fish farming net to the boat.
- The net should be removed after use.

3.3 Special environmental conditions

3.3.1 Extreme weather or strong currents

If extreme weather is forecast, operations involving the use of a safety net must be postponed.

This also applies if there are strong currents in the area.

3.4 Risk assessment – critical points



The safety net must only be used for its intended purpose.

Nevertheless, there are some critical factors that could cause safety nets to constitute an escape risk.

- Damage to components of the safety net, such as netting, ropes or loops.
- If there are holes in the netting, fish may get through the net and out into the sea.
- If the loops are worn, the net can come loose and fish may end up in the sea.



It is important to be aware of all these factors to ensure responsible management and to prevent undesired incidents. Ensuring that personnel who handle safety nets and are responsible for daily inspections are aware of the above issues will often reduce the risk of accidents and escapes.

4 INSPECTION AND MAINTENANCE

4.1 General

It is vital to maintain safety nets to ensure that operations can be carried out in the best way possible. Regular inspections also help to extend the net's service life. Inspections will reveal any abnormal situations, and help prevent fish from escaping.

If the safety net is to be moved for use in different locations, it must be disinfected first. The person in charge of inspecting the safety net must be familiar with such equipment and have the requisite fish-farming experience to be able to identify any abnormal situations. All inspections and maintenance must be logged.

The product does not normally contain any user-replaceable parts. Please contact one of AKVA Group Egersund Net's service facilities if you are uncertain about what is permitted in terms of servicing and replacement of parts by the site operator.

4.2 Inspection checklist

The purpose of inspections is to identify any damage and weaknesses as early as possible. You must incorporate these checks into your regular operating procedures.

If you suspect that the safety net has become damaged, you must carefully examine it immediately.

Before using the safety net, check it to ensure that it has no damage that may cause damage or holes in the net.

Check the following points before use:



Checklist item	What to inspect
Wear and tear	Check that the netting, loops and rings are not worn, otherwise components could get caught in the netting
Holes in the netting	Check that there are no holes in the net that could allow fish to get through it and into the sea

4.3 Inspection of safety nets at service facilities

Safety nets can be returned to a certified service facility.

Here, the safety net will be inspected and any necessary repairs made. Any damaged or clearly weakened components will be replaced. This includes netting, ropes and loops.

4.4 Log

All inspections and maintenance of safety nets must be logged.

The log must describe the following as a minimum:

- The action taken (type of inspection, cleaning, maintenance or repair) with reference to a plan and procedure
- The result of the action taken
- The necessary follow-up as a conclusion to the action taken
- Date
- Person/facility performing the work
- Signature

4.5 Disposal/recycling

If the safety net is no longer to be used, it can be returned to any AKVA Group Egersund Net service facility, where it will be processed in accordance with our waste management procedures.

5 TRANSPORTATION AND STORAGE

5.1 Receipt

AKVA Group Egersund Net recommends packing safety nets in a bag.

When you receive a safety net, you must check the packaging for any damage. Visible damage to the packaging is a sign that something has happened to the safety net during transport. In such cases, you must inspect the net before use and notify AKVA Group Egersund Net and the carrier.

Safety nets must always be checked before and after use. This requirement also applies even if it arrives directly from the supplier.



5.2 Storage of safety nets

Safety nets must be stored in a way that prevents exposure to any external forces that could damage their components. Similarly, work involving strong heat, such as welding, must never be performed near the net. When you receive a safety net, it is your responsibility to ensure that it is stored properly.

Storage in a bag or box is considered the best way to store a safety net.

If a safety net is packed in a bag fitted with loops, it is important to check the capacity of the loops before performing any lifting. Safety nets must not be dragged on the ground, as this can damage them.

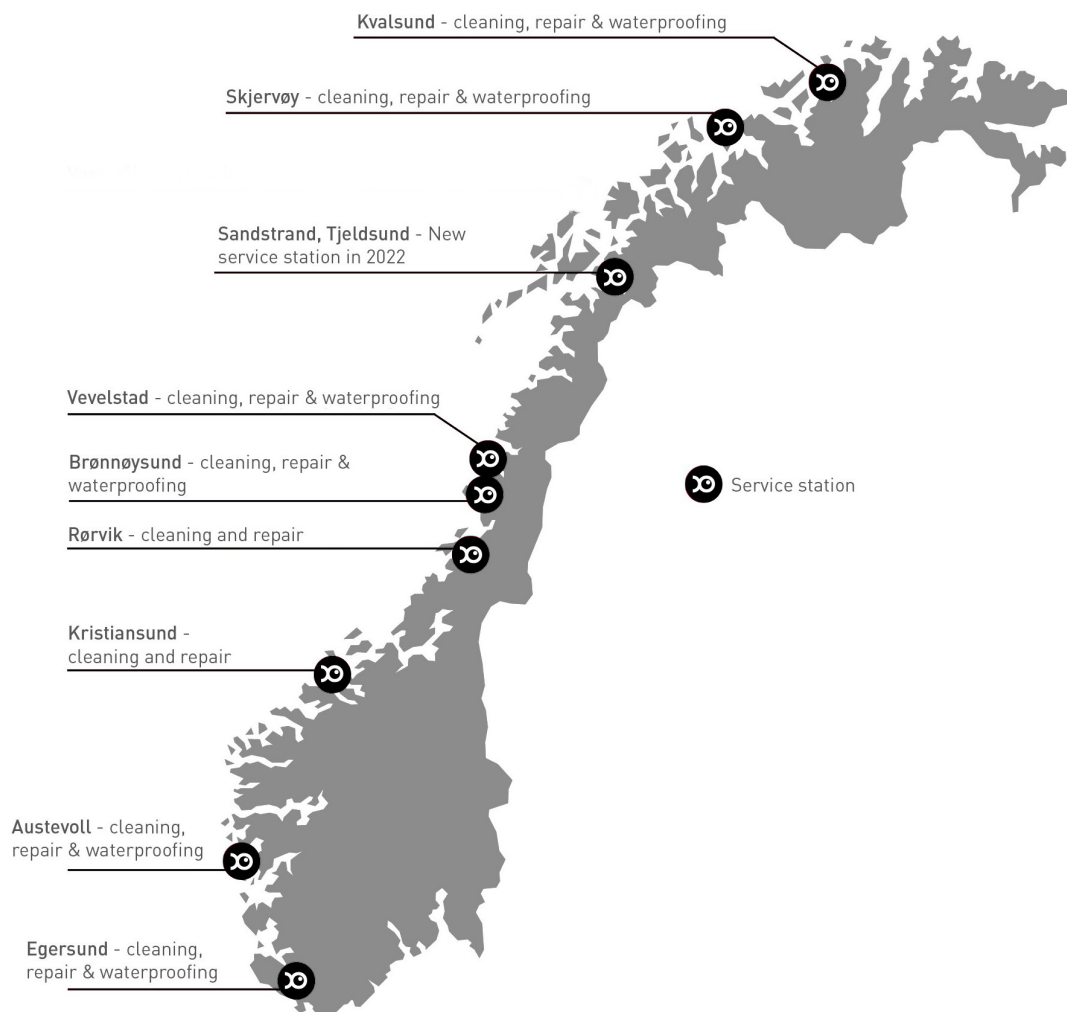
6 MANUFACTURER AND PRODUCT IDENTIFICATION

6.1 Contact

If you have any questions about safety nets, please contact our head office or your nearest service facility.

HEAD OFFICE

AKVA Group Egersund Net AS
Svanavågveien 30, 4373 Egersund, Norway
Telephone: +47 51 46 29 00
Email: post@egersundgroup.no
www.akvagroup.com



6.2 Identification of safety nets

Each safety net has a unique production number. All production-related information and maintenance history is registered and stored with a reference to the production number. Identification marks and production numbers are attached to ropes fitted around the circumference of the safety net.

6.3 Net-Reg

The Net-Reg customer portal is a user-friendly equipment log permitting the maintenance of checklists and documentation of all your equipment, including safety nets. This tool gives you a complete overview of the locations and status of your equipment. It can be used to produce documentation for each piece of equipment for internal and external audits.

6.4 Symbol definitions



REQUIREMENT: Placed beside text describing requirements.



NB: Placed beside text describing potential incidents and other aspects that you should be aware of.



TIP: Placed beside tips and advice relating to installing and handling safety nets.



ESCAPE RISK: Placed beside text describing events and/or operations that may increase the risk of fish escaping.

7 REVISION HISTORY

7.1 Change log

The table below lists changes in the latest revision of the user manual.

Rev. no.	Date	Scope	Reference
2	1 November 2023	User manual updated in accordance with Norwegian Standard 9415:2021 and the Nytek23 regulations	All
2	1 November 2023	New risks included	Section 3.2
2	1 November 2023	New photos and illustrations	All

THANK YOU FOR CHOOSING AKVA GROUP EGRSUND NET

Our mission is to deliver solutions and services that optimise production and contribute to sustainable, cost-effective and safe fish farm operation. We place great emphasis on fish welfare, operational performance and profitability for our customers in everything we do.

A safety net is a piece of netting positioned between the floater and the boat. It is used when fish are being taken out of the floater.

AKVA Group Egersund Net is committed to producing high-quality, easy-to-use safety nets, and in this user manual we describe how you should handle our nets.

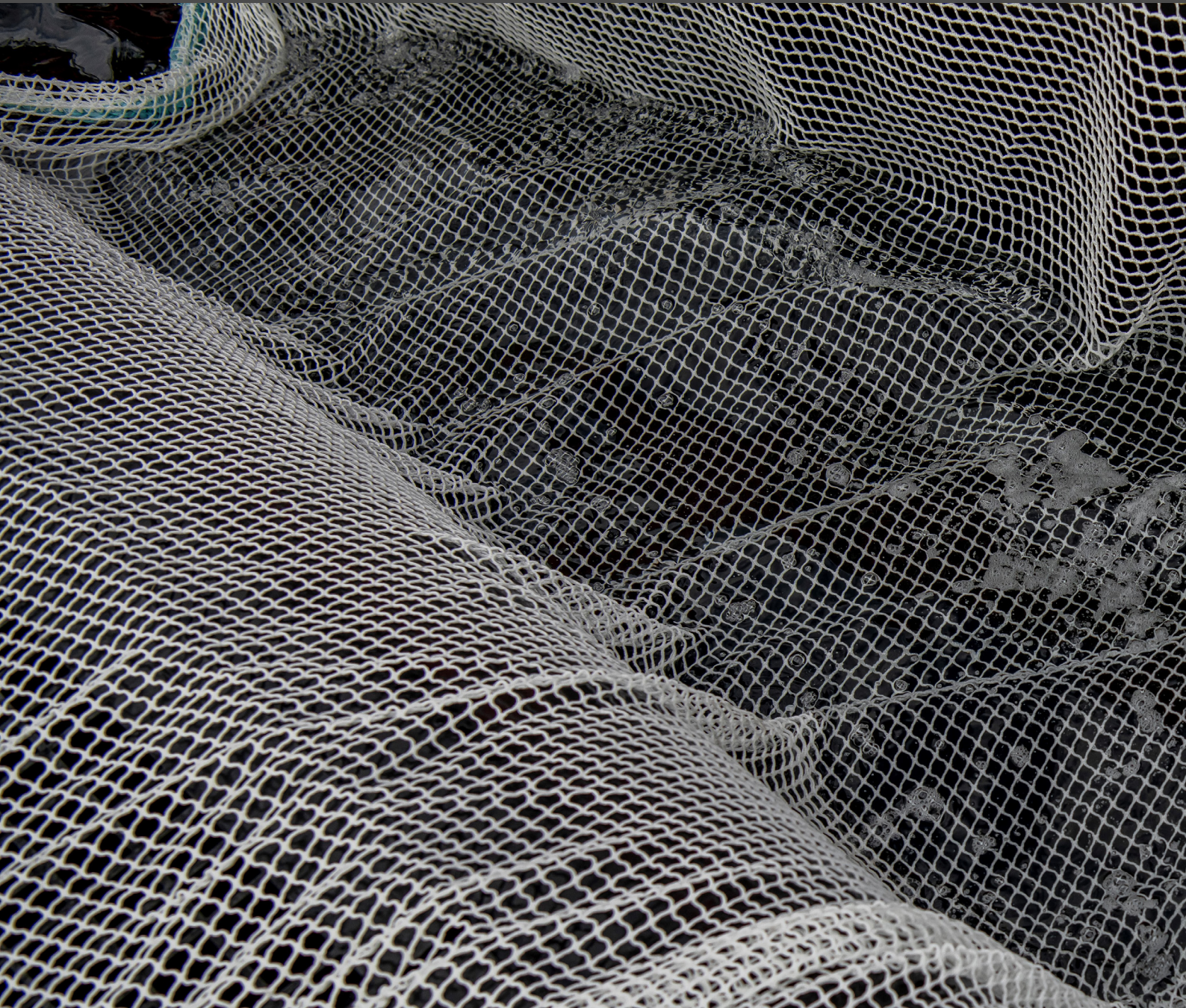
We keep our manuals as user-friendly as possible. To achieve this, we rely on your feedback and on our collaboration with you as a user of our products. We value every suggestion we receive very highly, as these help us deliver more effective and safer equipment. You are most welcome to contact us if you have any comments or suggestions for improvement.

This User Manual for Safety Nets is available on our website, www.akvagroup.com, and on our online equipment log, Net-Reg, at www.net-reg.no.

Together, we can help ensure that fish farming is an eco-friendly, sustainable and growing industry that produces safe and healthy seafood for the global market.

This user manual is designed to meet the requirements of Norwegian Standard 9415:2021 and the Nytek23 regulations. AKVA Group Egersund Net reserves all rights to this user manual and its contents. Reproduction and distribution to third parties without our clearly expressed prior approval are not permitted. We reserve the right to correct any errors in the text or illustrations.

Best regards
AKVA Group Egersund Net



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