

NOFLOODS BARRIERS

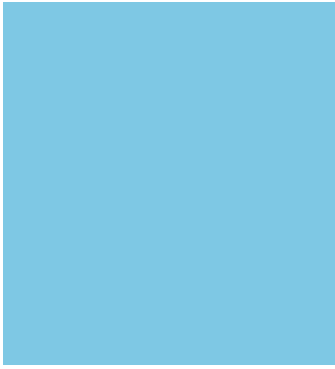
By Environment Solutions

COMPLETE CONFIDENCE IN ONE SOLUTION
UNMATCHED PROTECTION
UNPARALLELED TECHNOLOGY



The preferred solution for flood protection

Effectively using the threat to create the solution



The NoFloods Barrier Takes action against flooding

On a global scale flooding is not only the most frequent natural disaster – it is also the disaster with the greatest economic and humanitarian impact in terms of number of people affected and in terms of economic asset exposure.

It is estimated that the global economic exposure to both river and coastal flooding, based on population density and land use, is on range of \$ 30-40 trillion. Based on a range of factors including both climate changes, rising sea levels and growing urbanization the total global exposure in 2050 is project to increase to \$80-150 trillion.

Current protection measures are only designed to withstand current scenarios and the uncertainty in climate and social models emphasizes the need for temporary flood protection measures in the flood management plans.

The NoFloods Barrier offers one of the most effective solutions for loss reduction and has already proven its efficiency in protecting people, critical infrastructure and the environment in several countries around the world.

The NoFloods Barriers are based on innovative and patented principles and consists of basically three primary components creating a solution with high strength, high flexibility, high versatility and with extremely low environmental impact. Based on its smart and logical approach, the NoFloods mobile flood barrier is fast and easy to install in flood threatened areas both before and after flooding has occurred.

The NoFloods Barriers have been extensively tested and certified and have as such earned several accreditations from departments such as the French Department of Civil Defense and Emergency Response.

NoFloods Barriers = the new generation of flood protection

The success of the NoFloods Barriers is due to our constant focus on knowledge, research and innovation. Based on the same innovative principles the NoFloods PRO and BASIC solutions offers customized solutions for flood mitigation, perfectly adapted to each specific situation



NoFloods PRO – Large-scale flood protection

The NoFloods PRO Barrier solution offers professional, flexible and cost-efficient large-scale flood protection. The system is modular and consists of three components: Terminals, Junctions and tubes. This solution is designed for high-volume pumps and 1 km of the NoFloods Pro Barrier can be filled from one single access point.

No site preparation: The NoFloods PRO Barrier does not require any site preparation, additional equipment or permanent installations

Easy installment: Depending on the weather conditions, 4 men can deploy 1000 meters of the NoFloods PRO in less than 4 hours.

Modular approach: Modules are available in lengths from 50 meters to 200 meters in two heights (NoFloods PRO 60 and NoFloods PRO 125).

Option to extend: Each section/module can be continuously extended by the interconnection of the NoFloods Junctions.

High Stability and safety: Due to the hydraulic conditions of the innovative design, the barrier will remain stable irrespective of the surface on which it has been installed.

Flexible and strong: high strength, high flexibility and high versatility are all important aspects of our design and choice of materials.

NoFloods BASIC – Flood protection for shorter distances

The NoFloods BASIC Barrier is a competitively priced range of flood barriers designed for protection over shorter distances. Compared to the PRO solution the BASIC consists only of a tubular system and can be delivered in sections from 5 to 50 meters.

No site preparation: The NoFloods BASIC Barrier does not require any site preparation, additional equipment or permanent installations.

Easy deployment: The NoFloods BASIC flood barrier is simply unfolded directly at the deployment site and filled with water.

Flexible and strong: The NoFloods BASIC consists of the same materials as the PRO solution and is as such extremely flexible and strong. It can be deployed in various configurations and it is very resistant to abrasion and tear.

Installment and Disassembly – Rapid, easy and flexible

The NoFloods Barrier solutions have been designed to facilitate easy and fast installment and disassembly. For this reason the weight of the solution is the lowest on the market, without compromising strength or flexibility. When installing and taking down longer distances we recommend using the NoFloods Hydraulic Winch, which can also be used for storing the tubes when not in use. The installment and disassembly of the NoFloods PRO and NoFloods BASIC follow the same principles.



STEP 1.

Arrival and inspection of the deployment site.

The NoFloods Barriers can be deployed from a trailer, small truck, storage bag or deployment box



STEP 2.

Deploy the NoFloods barrier.

Simply roll or pull out the NoFloods Barrier at the desired location.



STEP 3.

NoFloods PRO: Connection of the terminals and/or junctions to the tubes.

NoFloods BASIC: Adjust and tighten the end cap.



STEP 4.

Connect the pumps and fill the tubes.

The NoFloods Barrier is ready for operation.



STEP 5.

Emptying and disassembly/rolling in the barrier is just as quick and easy. Release the water in a controlled manner and roll in the tubes.

When rolling in longer distances we recommend using the NoFloods Hydraulic Winch.

NOFLOODS BARRIERS

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KNOWLEDGE
RESEARCH
INNOVATION

=

VERSATILITY
FLEXIBILITY
SUSTAINABILITY

“Fighting water with water”

The NoFloods Barrier replaces the heavy and inefficient sandbags and is at the same time one of the most sustainable solutions on the market.

Compared to sandbags the CO₂ emission can be reduced with as much as 99,5% when installing 1 km.



Dimensions and weight of the NoFloods Barriers

The barriers are effectively using the threat to create efficient flood protection. Therefore, the NoFloods solutions also have the lowest dry weight on the market to facilitate easy installation.

Product	Diameter	Installed height	Dry weight (Tubes)*	Installed weight/m	Rec. head of water **
NF TWIN TUBE 60	60 cm	50 cm	1.7 kg /m	535 kg/m	36 cm
NF TRIPLE TUBE 60	60 cm	70 cm	2.3 kg/m	650 kg/m	50 cm
NF TRIPLE TUBE 60 MEM	60 cm	80 cm	2.3 kg/m	650 kg/m	80 cm
NF TWIN TUBE 125	125 cm	110 cm	3.5 kg/m	2,350 kg/m	80 cm
NF TRIPLE TUBE 125	125 cm	160 cm	4.7 kg/m	2,800 kg/m	110 cm

*The PRO solutions use Terminals and Junctions made of aluminum to keep the weight at a minimum and are conveniently equipped with handles for easy installation

**The friction against the surface upon which the Flood Barrier is installed directly influences the recommended head of water. The above statements refer to a report made by The Danish Hydraulic Institute.



We have invested actively in creating the world's most cost-effective and efficient solutions for flood protection. Our products and solutions are based on more than 15 years of experience of dealing with floods and natural disasters. The flood protection solutions we offer today are probably the strongest on the world market in terms of price and efficiency.



THE NOFLOODS BARRIERS HAS BEEN SELECTED AS ONE OF THE MOST SUSTAINABLE SOLUTIONS IN THE WORLD AND IS AS A PART OF THE SUSTAINIA100 2015.

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