

# TENDER SPECIFICATION SHEET

## Cold flood prevention barrier model B1-B3

### Applications:

#### Protecting valuable assets and people

The mobile barrier has many applications in emergency flood response and can be used by emergency management, business owners and individuals. The barrier is easy to handle and requires no special skills or equipment. The mobile barrier has many applications and can be used as a straight line, to form an arc or to encircle a building:

#### The Cold Flood Prevention barrier

The Cold Flood Prevention barrier is a unique modular system, which consists of a series of elongated sections that are attached to each other and thereby the length is easily adaptable to suit the extent of the flood. The barrier is filled with water, which creates a massive pressure that seals the surface and enables the barrier to withstand and divert floodwater.

The barrier's cellular construction ensures that it remains stable on any surface irrespective of external conditions making the barrier extremely robust and highly effective in preventing flooding.

The Cold Flood Prevention barrier can be used to control and protect against rising water levels in exposed areas such as housing, commercial buildings, infrastructure, and airports etc. It can be used as a straight line, to form an arc or to encircle a building.



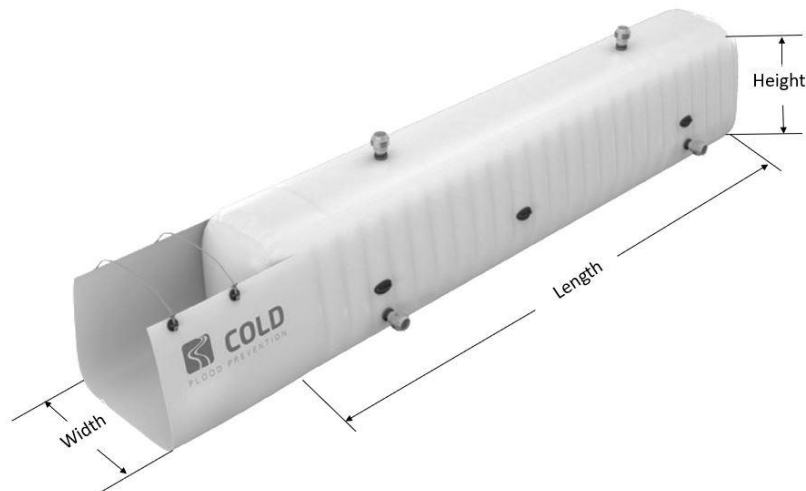
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## TECHNICAL DATA SHEET

### Cold flood prevention barrier model B1-B3

Dimension and weight:

	MODEL B1	MODEL B2	MODEL B3
Installed height	0.52 m	1.04 m	1.60 m
Effective height	0.38 m	0.76 m	1.17 m
Width	0.70 m	1.36 m	2.07 m
Standard length (per section)	15 m	10 m	10 m
Water consumption (per section)	7,500 L	12,000 L	26,800 L
Weight without water (per section)	68 kg	90 kg	180 kg
Weight with water (per section)	7,568 kg	12,090 kg	26,980 kg



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## TECHNICAL DATA SHEET

### Cold flood prevention barrier model B1-B3

- Application of use:** Flood protection barrier & water storage, use above +5°C ambient temperature.
- Material:** PVC coated polyester canvas, 1,100 g/m<sup>2</sup>, 12x12 Panama: Maximum abrasion resistant
- Construction:** The unique trapezium shape, combined with the internal reinforcements keeps the Cold flood barrier stable irrespective of external conditions.
- Tear resistance:** The tear resistance is 600/500 N.
- Temperature:** The Cold flood prevention barrier can withstand temperatures from -30 °C to +70 °C.  
**Attention:** The barrier should be emptied if temperature is below +5°C, if operation below +5°C is required please consult the manufacturer.
- Durability:** The estimated longevity of the product is 10 years when the product is used occasionally and/or for short periods.
- Connections** Each barrier has minimum two filling couplings mounted on the top and two drain plugs in the bottom. All couplings can be adapted to suit specific requirements; however, the standard couplings are BSP Female Threaded adapters Aluminum Alloy Storz 75 (B) with a pipe thread of 3". The corresponding hose tail coupling is Storz 75 (B).
- Installation:** On flat surfaces with no sharp objects or edges, the surface should be level enough for the barrier to seal when filled with water.
- Handling:** The barrier comes in a storage bag which can be handled by people, during positioning of the barrier, the installation team can manually position it in the desired location by pulling the barrier in the black plastic handles.
- Filling:** Filling requires a pump, hose, and onsite water supply. Any pump can be used if the hose coupling fits in the system's 3" couplings.  
**Attention,** during filling one of the top opening must be open to avoid over pressure and **MAX filling level is ~90%** to allow for water expansion and ensuring the barrier is soft enough to seal to the ground level.
- Country of origin:** The barrier is designed and manufactured in Denmark. Components are of various European origin. All barriers are manufactured and controlled in accordance with stringent quality standards and registered with a serial number to ensure traceability.

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