ASSEMBLY
INSTRUCTIONS

1. LAY OUT/ ROLL OUT
Place the dam elements in the target location. Loosen the straps. Roll out the dam elements.

4. FILL WITH WATER
Connect to a water pump and fill with water whilst letting air out at the same time. Fill both tubes at the same time. Use flood water to fill tubes where possible.

7. CLOSE THE CAPS
When the dam element is half full, leave the air escape cap open until water starts to escape. Close the cap. Carefully observe the filling process and immediately stop when the filling pressure is reached.

2. INFLATE
Inflate the dam elements with a special air blower. Max. low pressure of 0.1 bar. This air blower will be supplied by Geoline Ltd.

5. DURING FILLING
Make sure that the tubes do not roll away. On an inclined surface the elements lying side by side should be filled with water at the same time.

8. CHECK FILLING PRESSURE
Max. internal water pressure 0.2 bar. Checking the filling pressure:
Hold up the filling hose and take off the air escape cap. The height of the resulting water fountain must not exceed 0.5m.

3. CONNECT ELEMENTS
Connect the dam elements with the ratchet straps after letting out some air. Attach the straps in such a way that they sag slightly. Move the dam into the required position. Do not drag it over the ground!

6. REMOVE AIR
Let the air out from the openings at the top. The dam elements should adopt an oval shape in the process.

1. DRAIN WATER
Open the clamping plates—the water will drain away.
Check:
Any damage to the tubes. This must be professionally repaired by Geoline Ltd.

2. FOLD / ROLL TOGETHER
Once the Beaver hose dam element has been completely drained, dried and cleaned, it is folded up.
For information about maintenance refer to a separate data sheet.

3. TIE TOGETHER
Tie up the folded tubes with the ratchet straps provided. Store in safe place for re-use.

DISMANTLING
INSTRUCTIONS

FLOOD BARRIER

FAST ASSEMBLY
FLEXIBLE & EASY TO INSTALL
GOOD STORABILITY
REAL LIFE DEPLOYMENTS

USING WATER TO CONTROL FLOODING

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PROTECT THE LANDSCAPE
Villages, towns, agriculture, settlements.

PROTECT WHOLE BUILDINGS
Houses, factories, industrial sites, sports facilities.

PROTECT PROPERTY
Garages, basements, staircases, entrances.

HOLD BACK & DIVERT WATER
During storms and floods on lakes, rivers, streams as well as mud slides and water pipe ruptures.

STORE WATER
As a temporary watertank for fire fighting vehicles/swimming pools.

CROSS WATER - PONTOON
As a footbridge during floods or even as a raft or Pontoon.

BEAVER BARRIER
THE PROTECTION SYSTEM

The elements of the Beaver flood barrier are initially inflated, easily moved into the desired position and subsequently filled with water from a nearby water source or flood water - via water pump.

The individual elements are joined together by a patented link system. This makes it possible to build flood barriers of any length, which conform to all types of terrain.

Additional hold back capacity can be obtained by adding a further single tube on top of the twin element.

The Beaver Barrier Protection System guarantees fast assembly of temporary flood barriers and their simple flexible use.

The rapid and easy disassembly/removal together with good storability are additional benefits of this reusable system.

In recent years, Beaver flood barriers have, in over 150 cases, protected cities and their citizens, land and buildings. Civil Defence teams appreciate the convenience that Beaver flood barriers provide for dam building in flood situations. Over 80,000m of Beaver flood barriers have sold to date (March 2016).

USES OF WATER TO CONTROL FLOODING

Storms and floods cause damage, which can run into millions of euros/pounds worth of damage. The economic costs place an enormous strain on properties, home owners, businesses, insurance companies, public authorities and therefore eventually on the taxpayer. Together with the distress to victims, such events can grow into a national disaster.

The Beaver Flood Barrier System helps to prevent or at least reduce storm and flood damage and their economic costs.

The Beaver Storm and Flood Protection System consists of two PVC tubes laid side by side, permanently joined together to form a flood barrier that can hold back up to 1900 mm of floodwater.

USE WATER TO CONTROL FLOODING

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MEASUREMENTS

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WEIGHTS (KG)

Weight of empty 10m twin tube element 45kg 68kg 70kg 105kg 98kg 147kg 160kg 240kg

Weight of 10m twin tube element - filled with water.

FITTINGS/ATTACHMENTS

The Beaver Flood Barrier System helps to prevent or at least reduce storm and flood damage and their economic costs.

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PVC laminate, coated on both sides, reinforced scrim, operating temperature range -30° to +70° C