ASSEMBLY INSTRUCTIONS

1. LAY OUT/ ROLL OUT



Place the dam elements in the taraet 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.



Inflate the dam elements with a special air blower. Max. low pressure of 0.1 bar. This air blower will

l td

be supplied by Geoline

Make sure that the

the elements lvina

same time.

tubes do not roll away

On an inclined surface

side by side should be

filled with water at the



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.

8. CHECK FILLING PRESSURE

Max. internal water pressure 0.2 bar. Checking the filling pressure:

5. DURING FILLING

Hold up the filling hose and take off the air escape cap. The height of the resulting water fountain must not exceed 0.5m.





DISMANTLING INSTRUCTIONS

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.



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.

BEAVER

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FLOOD BEAVER® BARRER

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







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 auarantees 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).











USE 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 property, 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.

MULTIPURPOSE APPLICATION

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.





USE WATER TO CONTROL FLOODING



MODEL	M 50	M3 50	MXL 80	M3XL 80	H 100	H3 100	S 130	S3 130
Twin Element Tubes Permanently joined together. Stacking of additional Single Tube on top for emergency situations.								e Elements together to r triple unit
CONFIGURATION								_

MODEL	M 50	M3 50	MXL 80	M3XL 80	H 100	H3 100	S 130	S3 130
Twin Element Tubes Permanently joined together. Stacking of additional Single Tube on top for emergency situations.							Single strapped form twin o	e Elements together to r triple unit
CONFIGURATION		A	••	–		_		-

MEASUREMENTS							•	
Diameter of Tube	0 600 mm	0 600 mm	0 900 mm	0 900 mm	01100mm	01100mm	01 500 mm	01 500 mm
Floodwater Hold-Back Height (mm)	••• ••••	600		1250	• •••••••••••••••••••••••••••••••••••	1500	— — — 1300	
Tube Lengths Available (m)	5/10/20m	5/10/20m	5/10/15/20m	5/10/15/20m	5/10/15m	5/10/15m	5/10/15m	5/10/15m

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.	7,000kg	10,500kg	12,000kg	18,000kg	15,000kg	22,500kg	70,000kg	105,000kg

FITTINGS/ATTACHMENTS										
Filling Point Connections (Optional)	Storz 55/75 2 ¹ / ₂ " Instanta- neous									
Drain - down Ope's	At each end	At each end	At each end	At each end	At each end	At each end	At each end	At each end		

MATERIAL

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











