

Argus Fluidhandling

The Alfa Water Barrier



Alfa Double Dam

Water-inflated dams are quickly deployed, filled with any available source of water, and are very friendly where environmental impact is a concern.

Double Dams are reusable, repairable, provide flexible layout options, do no substrate damage and are suitable for worksite dewatering and flood protection in waters up to 3' (0.9m) deep.

Our water-inflated dams are quickly deployed, filled with any available source of water and are very friendly where environmental impact is a concern.

Double Dam is reusable, provides flexible layout options, does not cause substrate damage and is suitable for worksite dewatering and flood protection in waters up to 3' (0.9m) deep.

Double Dam features a single internal stabilising panel to provide safety and stability for all sizes up to 4' (1.2m) high.

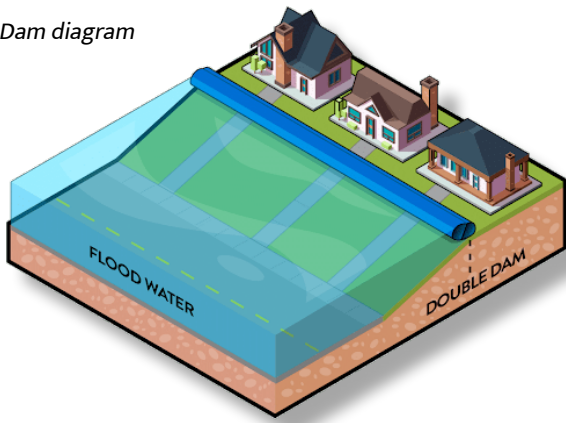
Q: Are they repairable?

A: Yes. Minor holes and tears can be easily repaired.

Q: How do they work?

A: Double/Triple Dams use any available water source for filling. When the dam is full and the water level outside of the dam is up to $\frac{3}{4}$ of the filled height (25% freeboard) that makes the filled dam heavier than the surrounding water. The integral stabilising panel(s) force the dam to maintain an oval shape so it cannot roll.

Alfa Double Dam diagram



Alfa Triple Dam

Triple Dams are reusable, repairable, provide flexible layout options, do no substrate damage and are suitable for worksite dewatering and flood protection in waters up to 6' (1.8m) deep.

Water-inflated dams are quickly deployed, filled with any available source of water and are very friendly where environmental impact is a concern.

The Triple Dam features two internal stabilising panels to provide safety and stability for all sizes from 3' (0.9m) to up to 8' (2.4m) high.

Our water-inflated dams are quickly deployed, filled with any available source of water and are very friendly where environmental impact is a concern.

Triple Dam is reusable, provides flexible layout options, does not cause substrate damage and is suitable for worksite dewatering and flood protection in waters up to 6' (1.8m) deep.

Triple Dam features two internal stabilising panels which results in three constrained compartments for even greater stability.

Q: What is the difference between Double Dam and Triple Dam?

A: Double Dam features one interior stabilising panel which results in two constrained compartments. Triple Dam features two internal stabilising panels which results in three constrained compartments for even greater stability.

Q: Are they reusable?

A: Yes. They are designed to be drained and put away

for repeated use. That's a major advantage compared to conventional methods such as sandbagging or dirt berms.

Alfa Double / Triple Dams vs. Sandbags

Q: Can you get sandbags from the council?

A: Your local council may have some sandbags ready to deploy at times of flooding, but their priority is to protect the public at large. You should check with your own local authority in advance to find out what their policy is and how you can get access to sandbags before flooding starts.

It requires approx. 2,250 sandbags to cover the same area as one 25m Alfa water dam @ £200 per 80 sand bags = £5625, less the legal disposal cost of the sand & bags (see below).

Q: How do they compare to sandbags?

A: A 3' high sandbag dyke would require approx. 30 sandbags per linear foot. Using conventional filling and placing methods, a rate of 12 bags per manhour can be applied, taking around 125 manhours to build a 50' long dyke 3' high, and in addition a cost of approx. £2.50 per sandbag.

A Double / Triple Dam at 3'X50' can be deployed by two people in a couple of minutes and pumped full of water in less than 30 minutes. Cleanup time and cost benefits are even greater, especially when the reuse of the Double / Triple Dam are factored into the cost.



Sandbags – Regulatory Requirements

This regulatory position statement (RPS) is for local authorities and those acting on their behalf who need to set up temporary collection points to store waste sandbags that have been used during a flood.

If you comply with the conditions in this RPS you do not need to apply for an environmental permit for a waste operation to temporarily store waste sandbags at collection points.

This RPS only applies to:

- Storage of waste sandbags carried out by, or on behalf of, the local authority
- Temporary storage (no more than 3 months) of waste sandbags before they are sent for recovery or disposal at a permitted site
- Sandbags that have had a visual or olfactory (smell) assessment (or both) to help determine whether they may be hazardous waste

This RPS does not apply to any other activity, even if it is under the same legislation. You may still need other permits or licences for other activities you carry out.

Conditions you must comply with:

- Store all waste sandbags in a secure place – one where you have taken reasonable precautions to prevent waste escaping and where members of the public cannot access them
- Segregate and store discarded sandbags that may be contaminated with hazardous waste in secure containers, or in an area with impermeable pavement and sealed drainage
- Use a registered waste carrier to transport waste sandbags from the temporary collection point to a permitted site for recovery or disposal
- Keep records for 2 years that show you have complied with this RPS – you must make these records available to the Environment Agency on request

You must make sure the stored sandbags do not endanger human health or the environment. They must not:

- Cause a risk to water, air, soil, plants or animals
- Cause a nuisance through noise or odours



Alfa Air Bung

- Adversely affect the countryside or places of special interest

Alfa Air Bung

For spill containment and civil/municipal construction.

The air-inflated Air Bungs are made to friction fit to the inside of a culvert or pipe to prevent the passage of liquids during construction or during emergency spill response.

Air Bungs are made with high-strength industrial coated PVC fabric, they are compact for easy handling or storage, easily inflated with a hand or foot operated pump, reusable and repairable.

Each Air Bung comes standard with a 3/4" fill/drain fitting, pressure relief valve, valve stem and tie-off loop fixed to both ends.

The patent-pending, self-supporting design comes in two heights. Both sizes feature a working water depth equal to the product height of either 26" or 52".

25' long sections are joined together with a combination zipper/ hook and loop coupling, allowing the berm to be extended as long as needed.

Sentry Dam redefines rapid deployment with a built-in structure that's easy to set up on any firm substrate and just as easy to decommission.

Sentry Dam is reusable, repairable and responsible with no pumping required! Simply stand the system up and ensure the toe of the skirt is anchored.

www.argusfluidhandling.com

