

SPECIFICATION FOR INDUSTRIAL SPILL & FLOOD BARRIERS



Options	Monotube, Bi-tube or Universal
Diameters available	400, 600, 800, 1000 mm
Lengths available	5 to 30 m

The Darcy Industrial Flood Protection System is a flexible and versatile flood barrier that can be used at water levels of between 30cm and 2m over an unlimited distance.

The flood barriers can be used:

- ▾ As a preventive action in case of a flood
- ▾ As a remedial device

Equipped with standard fittings and simple and easy to use, Darcy flood barriers protect traffic routes, industrial, historic and strategic sites.

Features:

The Darcy Flood Barrier System uses the power and strength of water to protect the required area from flooding and the damage associated.

The barriers store flat and can be rolled up to minimum storage space required.

Equipped with standard fitting individual barriers can be attached together to form a barrier of increased height.

The barrier is easy to set up and ensures a high level of protection and safety.

Installation:

Before you set up the flood barrier place the barrier(s) in the required location.

1. Unfold and unroll flood barrier(s) to protect the site.
2. Once flood barrier(s) is/are unfolded, you have to close valves and waterproof zips to start inflating.
3. Use an air blower to inflate the tubes. Flood barriers must be are filled with air to ensure they are positioned correctly to have the best adhesion on the ground.
4. If using bi-tubes, you must ensure both tubes are linked together. The lacing up of tubes has to be made from the middle to the extremities of both tubes. They have to be firmly tight before the addition of a monotube.
5. If linking multiple lengths of barriers you will need to use cuffs are used to link two lengths of flood barriers. This is to keep both the seal and the protection at this junction.
6. Once all barriers are connected and positioned correctly you can begin filling with water using the junctions Storz or Guillemin (1/2 symmetrical junction). During the filling, air is ejected by an air overflow. Flood barriers keep their form throughout the process. When flood barriers are filled of water, the excess is expelled through the overflow.

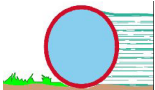
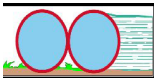
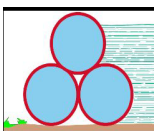
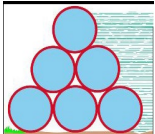
Once the need for protection has gone you can begin the emptying process. To do this you use the waterproof zips. Emptying has to be coupled with a complete drying of the tubes before storage in a view to extend their duration.

Revision Date: 07/11/2018

Specifications:

	900 Fabric	1100 Fabric	Standards
Base fabric	Polyester 1100 dtex	Polyester 2x1100 dtex	n/a
Surfacic mass of coating fabric	900 g/m ²	1100 g/m ²	DIN EN ISO 2286.2
Breaking Strength (Chain/ Weft)	400/400 daN/5cm	420/400 daN/5cm	EN ISO 1421
Tear Strength (Chain/ Weft)	55/50 daN	55/50 daN	DIN 53 363
Adhesion	10 daN/5cm	12 daN/5cm	EN ISO 2411
Extreme temperatures of use	30°C / +70°C (*)	30°C / +70°C (*)	DIN EN ISO 1876.2

Installation Duration: Installation duration of 100 meters of linear flood barriers using elements of 20 metres. Installation duration are indicative data, it is calculated for a simultaneous filling of two tubes with a pump of 45m³/hour. With two pumps and 4 to 6 people (depending of the diameter of tubes) this duration is therefore given for 200 metre of linear flood barriers.

Position		Ø400 mm with 2 operators	Ø600 mm with 2 operators	Ø800 mm with 2 operators	Ø1000 mm with 3 operators
	1 monotube	30 minutes	50 minutes	1 hour 20 minutes	n/a
	1 bi-tube or 2 universals	1 hour	1 hour 30 minutes	2 hours 30 minutes	3 hours 30 minutes
	1 bi-tube and monotube or 3 universals	1 hour 30 minutes	2 hours 30 minutes	4 hours	5 hours 30 minutes
	2 bi-tube and 3 monotubes or 6 universals	3 hours	5 hours	8 hours 30 minutes	n/a

Safety Data: Further technical advice is available if required.

Note: All weights, dimensions, and other figures quoted are approximate.

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