

A large, high-resolution image of a single water droplet falling into a pool of water, creating concentric ripples. The droplet is captured mid-fall, just above the point of impact, with a small splash visible below it. The ripples spread outwards from the center. The entire image has a blue color gradient, with the water appearing darker blue and the sky/lighter background being a lighter blue.

FLOOD BARRIERS



Great British
Manufacturing

For emergency supply, spill clean-up,
disposal, contracting, advice and
training.

➤ FLOOD BARRIERS

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.

How the system works



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. This is a lightweight system that can easily be handled by two persons.

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.

The Flood Barrier System is a concept based on easy installation modular flood barriers.



The system comprises of:

- One-tube barriers
Available in Ø40cm / Ø60cm / Ø80cm

- Two-tube barriers
Available in Ø40cm / Ø60cm / Ø80cm

The gap between the two tubes is adjustable.

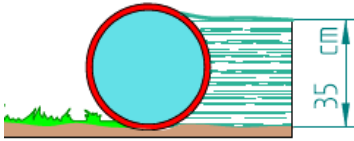
One-tube and two-tube barriers are manufactured in 10m / 20m / 30m lengths and are available with straight or angle fittings in three diameters.



**Select Darcy Flood Barrier Systems:
For a preventive action, For a curative action**

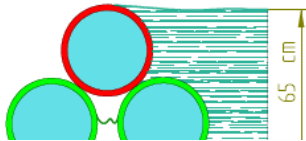
Barrier assembly

To set up the flood barrier place the barrier(s) in the required location. Then, fill the barrier(s) with water (a pump will be required). The weight of the water ensures the barrier retains a water-tight seal with the ground whether flat or undulating. Once the barrier has been used empty the water and leave to dry before folding and storing for later use.

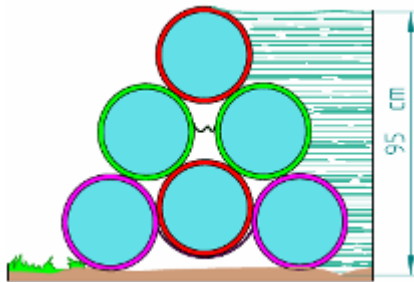


Ø40cm barrier

In this example a one-tube barrier creates a barrier measuring 35cm high.

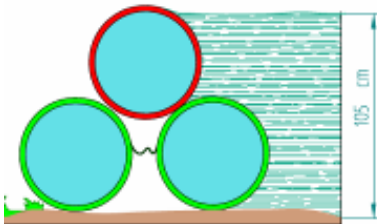


In this example a one-tube barrier is resting on top of a two-tube barrier creating a barrier of 65cm.

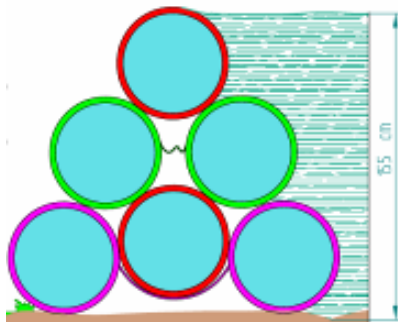


In this example two one-tube barriers and two two-tube barriers have created a modular barrier with a height of 95cm. Note how the variable length adjustment on the two-tube system allows for a stable lower barrier tier.

Ø60cm barrier



In this example a one-tube barrier is resting on top of a two-tube barrier creating a barrier of 105cm.



In this example two one-tube barriers and two two-tube barriers have created a modular barrier with a height of 155cm. Note how the variable length adjustment on the two-tube system allows for a stable lower barrier tier.

Technical Data Sheet Flood Protection Barriers

The Flood protection boom is made with PVC B6000, as indicated below:

- ▼ Material.....1100 Dtex
- ▼ Weight.....900 gr/m2 DIN EN ISO 2286.2
- ▼ Material weights.....260 gr/m2 DIN EN ISO 2286.2
- ▼ Covering weight.....640 gr/m2
- ▼ Breaking resistance (chains).....4000 N/5cm DIN 53 354
- ▼ Breaking resistance (frame).....3500 N/5 cm
- ▼ Tearing resistance (chains).....600 N DIN 53 354
- ▼ Tearing resistance (frame).....500 N
- ▼ Adhesion.....100N/5cm DIN 53 357
- ▼ Temperature resistance.....-30°C/+70°C DIN EN 1876.2
- ▼ Light resistance.....7-8 DIN EN ISO 877
- ▼ Flammability.....DIN 75200

Technical table: unladen weight and water filled.

	Unladen weight			Water quantity/tube		
	10 m.	20 m.	30 m.	10 m.	20 m.	30 m.
	kg			litres		
One-tube						
Diam. 40 cm	15	26	38	1200	2400	3600
Diam. 60 cm	20	38	55	2750	5500	8250
Diam. 80 cm	26	49	72	5000	10000	15000
Two-tube						
Diam. 40 cm	34	60	88	2400	4800	7200
Diam. 60 cm	44	84	122	5500	11000	16500
Diam. 80 cm	56	106	156	10000	20000	30000

SETTING UP A FLOOD BARRIER



The boom is unfolded



Closed valve



Open valve



Pumping the tube with air
(optional)



Setting up of the filling valves
Storz 55



Setting up of the safety valve to
control the level of the water



Filling with water



The water comes out : end of
filling phase



Round extremity in order to join
two tubes together



Water proof zip



Easy to open



Quick and easy to empty



Lifting of a 20m bitube



Unfolding of a 20m two-tube



Lacing up and tying up of two one-tube



This two-tube has been tied together to put a one-tube on top.



Setting up a joint between two lengths



Joining the two lengths and filling the tubes with water



Two tubes joined together



Final barrier checks



Barrier set up



30m boom (40cm diameter) including :
Bi tube : 20 meters
Bi tube : 10 meters
Mono tube : 20 meters
Mono tube : 10 meters

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