

## SCFD Self Closing Flood Doors



SCF-Door 1000

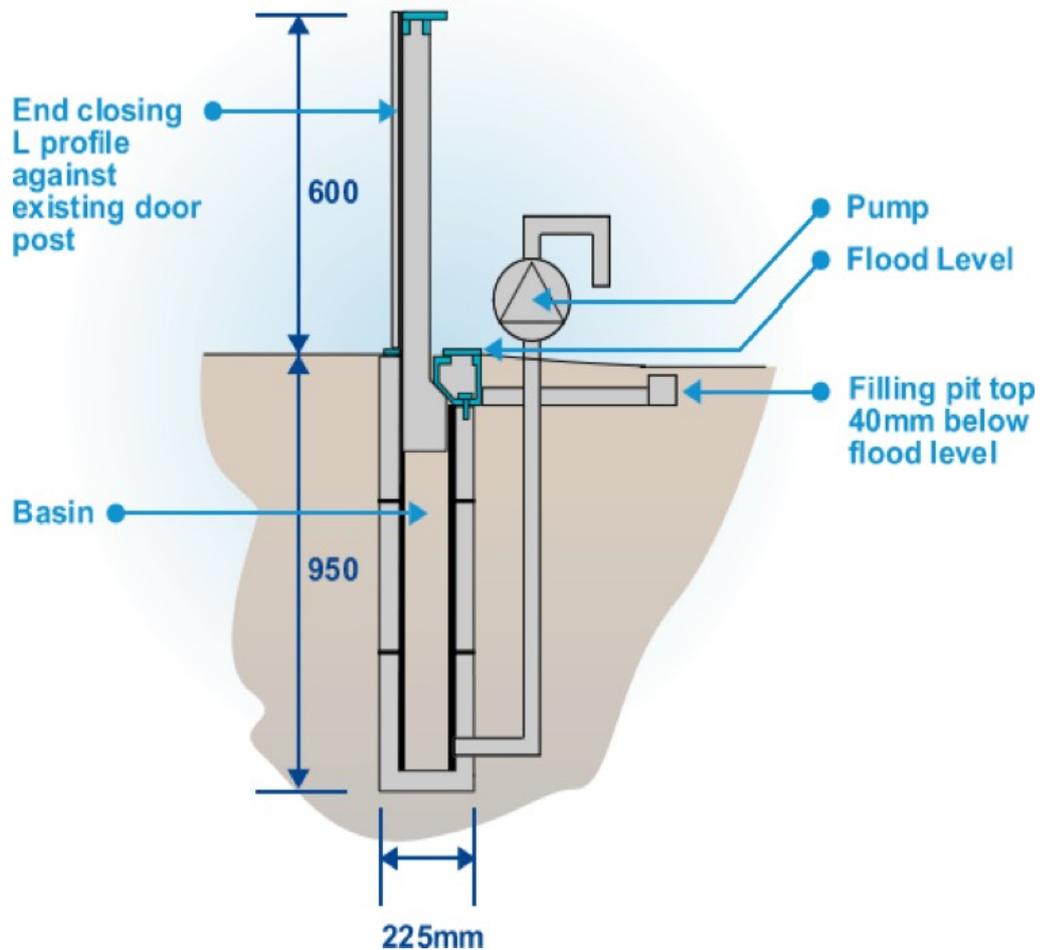
Born in the Dutch tradition and now the world's most successful solution against floods



## Solid and simple solution

We are proud to introduce to you the HYFLO Self Closing Flood Door, a unique effective flood defense system to protect people and property from inland waterway floods caused by heavy rainfall, gales or rapid melting snow. This system has been developed to provide optimal protection against extreme high water levels. The SCFdoor have been developed to protect doors, double doors and small gates against floods. The working principle is very similar to that of the larger SCFB™ but with its reduced scale, it does not require a service pit but is filled by rising floodwater, through a small inlet pipe.

# Principle of the Self Closing Flood Door SCFD



Following installation and in non-flood conditions, all operational parts of the flood-door are invisibly concealed in the ground inside the basin.

When floodwater rises to within 40 mm below flood level, the enclosed basin, which houses the floating wall, starts to fill up through a small filling pit through the support block into the basin. The float wall floats and rises. When the basin is totally filled, the angled support block will lock the barrier in position, sealing it watertight.

The flood water can now continue to rise without flooding the protected area.

As the water subsides, the flood water in the basin must be pumped out by a hand or electric pump. As the water is totally pumped out from the basin, the float wall has returned to its rest position and the lid seals the Flood door to prevent the barrier of waste and debris.

# Innovative, effective and proven defence.

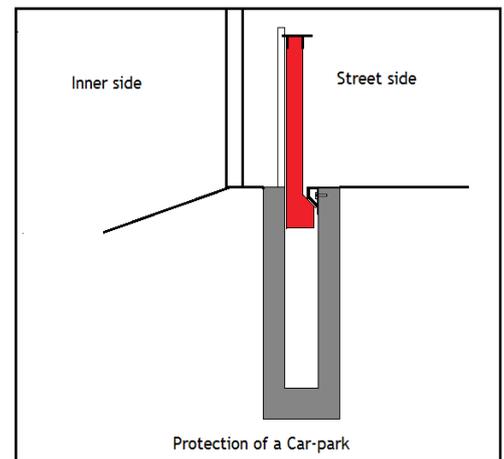
This award winning Self Closing Flood barrier concept has been acclaimed as the world's most effective protection against floods. The Self Closing Flood Barriers SCFBTM have now become the leading flood defence device in its field. It has been in operational use around the globe since 1998 with a 100% success rate. The HYFLO barriers have already been operating more than 2.000 times in 14 years without worthy of mentioned maintenance.



## Key benefits

- **NO WARNING SYSTEM and WARNING TIME REQUIRED** - the Self Closing Flood Door rises instantly through the rising water level
- **NO MANPOWER REQUIRED** - the Self Closing Flood Door is not energy driven and operates without any human intervention
- **SHORT CLOSING TIME** - with a fast flood the flood door will close within a minute
- **NO STORAGE NEEDED** - in resting position the flood door is invisible and fully self protected
- **FULL PROTECTION** - to houses, garages, shops etc.
- **MAINTENANCE FREE** - The flood doors need nearly no maintenance.
- **EASY TO TEST** - By filling up the pit the barrier is lifted automatically and ready for inspection
- **EASY TO INSTALL** - The flood doors are easy to install
- **THE BEST PRICE / PERFORMANCE COMPACTION:** without ongoing associated costs involving deployment, storage and maintenance.

# Various application possibilities of side locations.



Technically advanced



The SCFB is designed using the latest and most advanced design programmes.



2,5 meter SCF-DOOR 1200

### Technical description

The SCFDoor consists of a steel Basin and a polyester Floating Door.

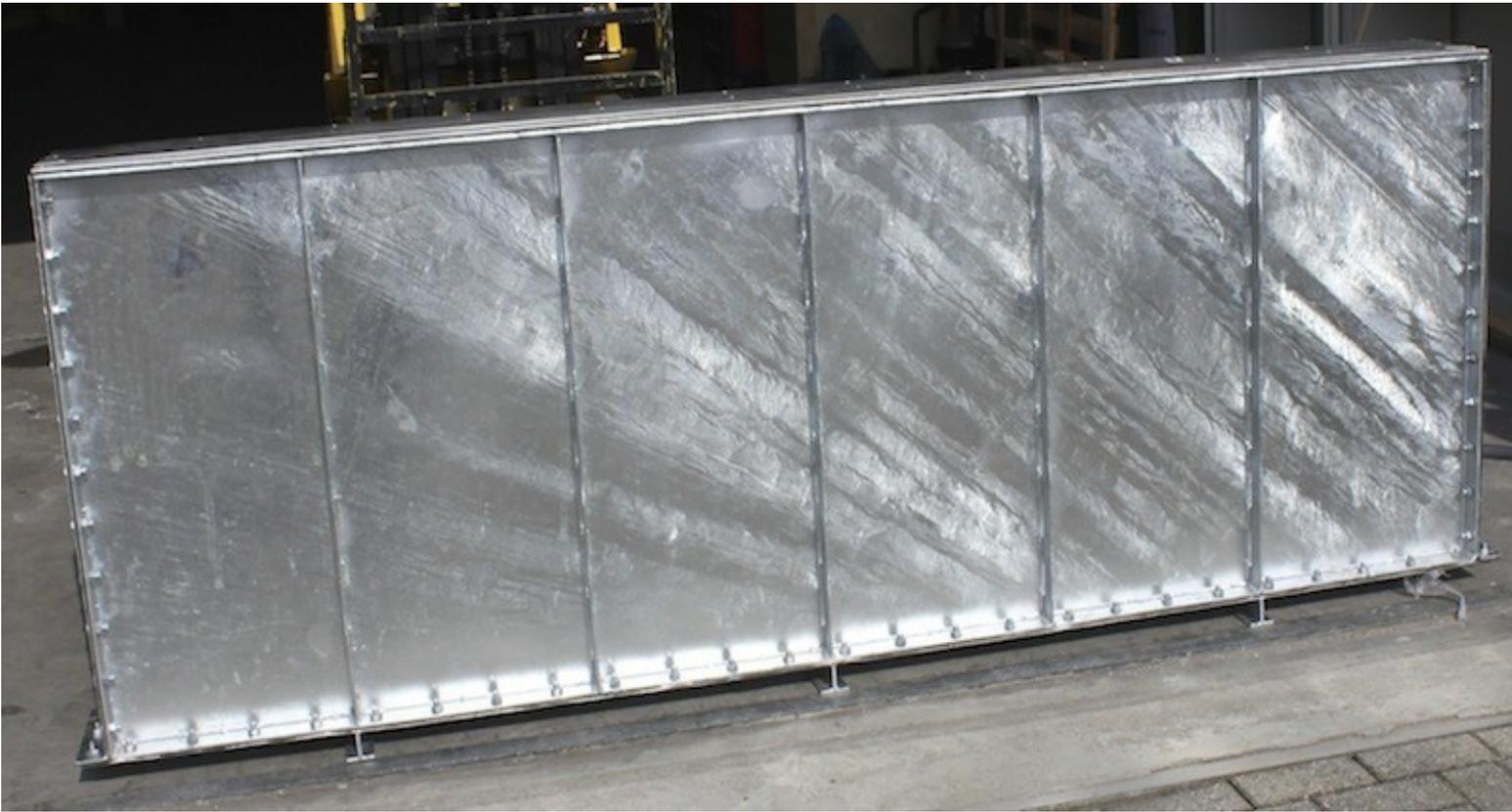
The Basin is reinforced with ribs. The measurements are: deep 950 mm. wide 1100 mm and 1300 mm deep and 2600 mm wide.

The polyester Floating Door has a protecting height of 600 mm and 1200. The door itself is prefab polyester made, with a thickness of 40 mms. The Door is filled up with a PUR-foam core in a very strong sandwich construction and hence does not absorb water, while retaining its floating power.

The Support Block are made of galvanized steel. The lid on top are from aluminum. Rubber seals close the SCFDoor waterproof fully tightened to the End Closing Plates at the door-post. In resting position, the SCFDoor is fully self protected by seals at the top. The total weight is only 68 kg. Installation can be done by a handy do-it-yourself. The SCFDoors are delivered complete with a filling pit, hand lens pump and connection pipes.

### Various SCF-Door types:

Type	1 meter	1,5 meter	2,0 meter	2,5 meter	3,5 meter
SCF-Door 600	X	X	X	X	X
SCFB-Door 900	X	X	X	X	
SCFB-Door 1200	X	X	X	X	



*"No more flood worries!"*

**hyflo**  
self closing flood systems

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