

Flood protection

Catastrophic flood events are expected to occur with greater frequency in the coming years, and with increasing levels of unpredictability. The high costs associated with flooding, both financial and emotional, can not always be supported by the victims. The BAUER-IBS Defence Systems enable the mitigation, or even avoidance, of the huge costs of flood damage.

Applications

- Domestic properties - community or individual
- Industrial installations
- Commercial properties
- Infrastructure

The International BAUER Organisation

- Global experience over hundreds of projects
- A 200 year tradition of providing engineering solutions
- High quality, field tested Systems and products
- Strictly applied quality and design procedures, assuring long term high performance
- Optimum quality and price by advanced value engineering
- Continued innovation research provide effective solutions for todays problems



Your Contact:

BAUER Inner City Limited
Dallam Court, Dallam Lane
Warrington, Cheshire WA2 7LT
United Kingdom

Tel: +44 (0)1925 428940
Fax: +44 (0)1925 244133
e-mail: info@bauerinnercity.co.uk

www.demflood.co.uk
www.bauer.de



PAS-1188-2
KM 504633

**BAUER-IBS
K-SYSTEM**



**Strong, mobile, rapidly
deployed**



PAS-1188-2
KM 504633



Mobile protection system against flooding

System Description



K-System

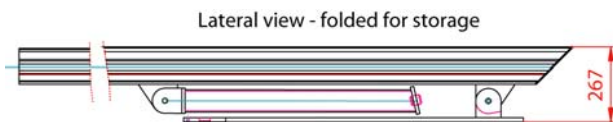
The K-System is a fully mobile flood defence concept. It does not require any pre-engineering on site (for instance permanent foundation elements cast into concrete groundworks) and so overcomes financial and technical drawbacks usually associated with major flood defence schemes. The System is therefore ideal for use in a wide range of locations, requiring only the minimum time and manpower resources.



Design Features

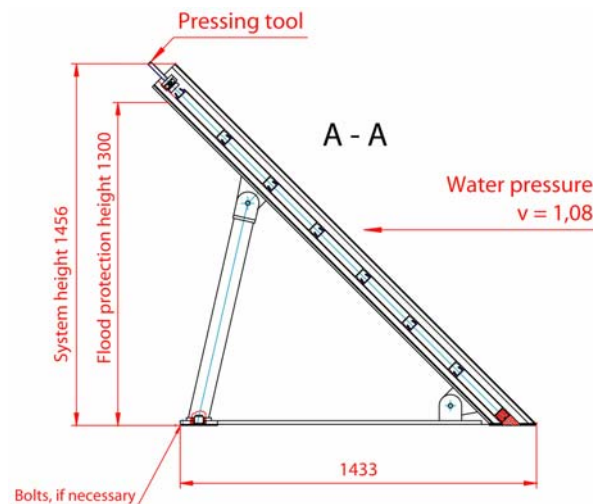
- The System is fabricated from robust and durable certified materials (aluminium or stainless steel)
- Rigorously tested for hydrostatic load conditions
- Designed to withstand flood heights of up to 550, 900, 1,350, 1,800, 2,000 and 2,500 mm
- Specially designed anchorage system

The major advantage of the System is that the pressure exerted by the flood water contributes to the stability of the System on the ground, due to the 45° inclination. The modular design provides enhanced flexibility to suit widely varying height conditions.

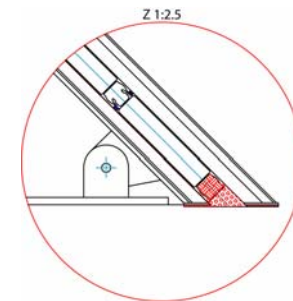
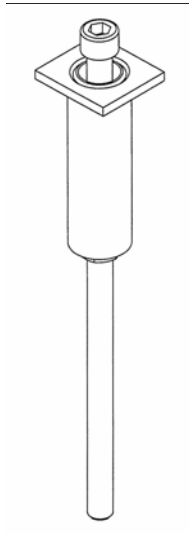


Key Benefits

- Preliminary ground engineering works are not required
- Modular design allows flexibility to suit various site conditions
- Rapidly deployed before a flood event
- Thoroughly tested under full hydrostatic load conditions
- Requires no specialist knowledge or training - simple instructions supplied are all that is required
- Very competitive capital cost, compared to permanent defences



The type of anchorage is chosen in accordance with ground conditions



Technical Specification

- Dam Beam: AlMgSi 0.5 F22
- Back Support: AlMgSi 0.5 F22
- Supporting Ground Plate: AlMgSi 0.5 F22
- Fixing: V2A 1,4301
- Pressing Tool: V2A 1,4301
- Seals: EPDM
- Ground Seal: IBS Special Seal
- Flood defence height up to 2,500 mm