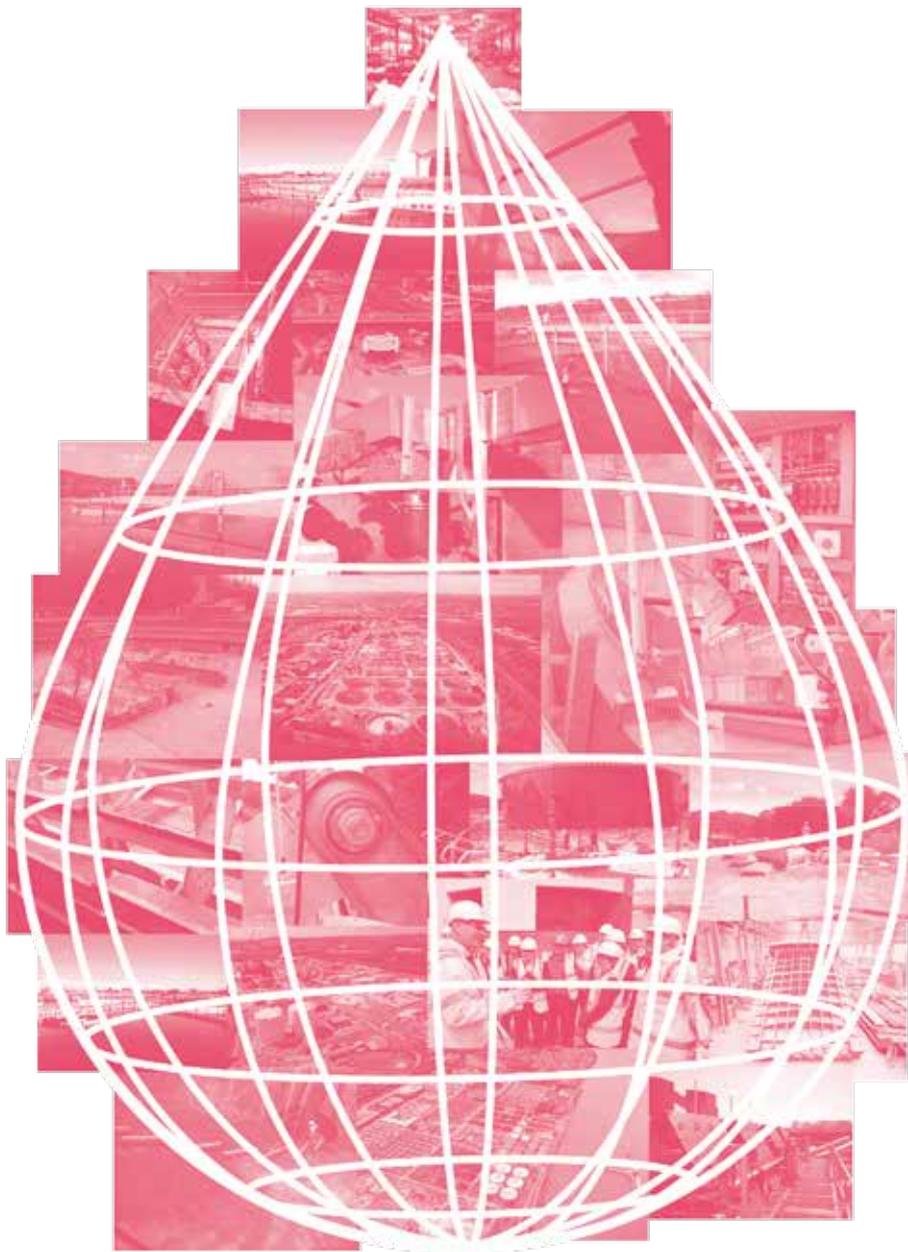


**HAM
BAKER
GROUP**

Hi-Bar – Flood Defence Catalogue



Company profile

Hi-Bar is recognised for its attitude toward customer requirements and its open approach to the design and manufacture of its flood prevention range of products.

Since the company's incorporation Hi-Bar has chosen to concentrate on the manufacture and design of flood protection and associated products.

This approach has laid the foundations on which today's product range was built. The Hi-Bar product range is continually growing and evolving to include larger and higher specification Flood Gates, Flood Logs and ancillary products.

By combining traditional methods with state of art computer design software and never neglecting the basic principles which the Hi-Bar products derive, and coupled with a wealth of local experience, Hi-Bar ensure that high quality UK products are manufactured and delivered.

Hi-Bar offers high quality SERVICE, PRODUCTS and DESIGN using the wealth of experience and knowledge, which gives customers the best possible solution to any future flood protection requirement.

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Flood Defence Product Catalogue

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Flood Protection Market

Worldwide, there were over 200 major floods in 2007, affecting 180 million people.

The human cost was more than 8,000 deaths and over £40 billion worth of damage.

Yet even against that dramatic back-drop, the floods that devastated England in 2007 ranked as the most costly in the world.

Serious flooding can happen at any time. In England, more than 5 million properties are at risk of flooding - nearly 1 in 6. There are also more than 200 homes at risk of complete loss to coastal erosion in the next 20 years. It's possible 2,000 more could become at risk over this period.

With some 5.2 million properties at risk of flooding in England, annual flood damage costs are now in the region of £1.1 billion. These costs could rise to as much as £27 billion by 2080.

Global warming and the increasing pressure on infrastructure, often in coastal or river valley areas, have made flooding a recurring event in many areas of the United Kingdom.

In the UK, flood insurance claims in 2007 soared to a staggering £3.2bn when 47,000 (domestic) and 7,300 (business) properties were affected by rising waters.

According to the Pitt Report (2008), approximately 185,000 businesses and 5.2m homes are at flood risk across England and Wales alone. Some 400,000 of these are at 'significant risk' of flooding.

The Pitt Review, which was carried out after the devastating floods in 2007 brought about a series of recommendations for improving the way flood risk is managed in England. As a result, the UK Government (through DEFRA) are committed to implementing the recommendations in order to improve the UK's flood defences and prevent unnecessary building in areas of high flood risk.

The UK Government's response to this review resulted in new legislation – the Flood and Water Management Act 2010 which was intended to:

- provide for better, more comprehensive management of flood risk
 - help safeguard community groups from unaffordable rises in surface water drainage charges
 - protect water supplies to the customer
- and they had promised to implement all the provisions of the Act by December 2014.



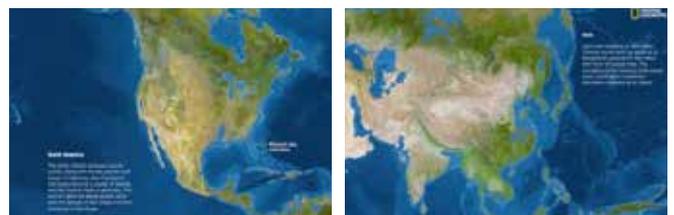
It has been estimated that maintaining existing levels of flood defence would require flood defence spending to increase to over £1 billion per year by 2035.

On 6 February 2014 the Environment Agency (EA) announced a program of flood defence improvement projects. Fifty-four projects were due to begin construction in the financial year 2014 to 2015. When complete, these projects will improve protection for more than 42,000 households.

Looking ahead, the EA have also made a long term (6-year) commitment to increase levels of capital investment (more than £370 million in the financial year 2015 to 2016) and then the same in real terms each year, rising to over £400 million in the financial year 2020 to 2021.

The EA believe that they are on course to improve protection to at least 165,000 households by 2015 and a further 300,000 by 2021.

The latest climate projections indicate that sea levels will rise, and there will be increasingly severe and frequent rainstorms. This means the risk of floods will increase.



A problem for both the West and the East

All images courtesy of National Geographic Magazine

Passive Flood Barrier

What is it?

Hi-Bar Flood Systems Ltd was formed in 2006 to develop a revolutionary, self-erecting flood defence system for protecting residential and commercial properties.

Due to its free-standing design, the Hi-Bar Flood Barrier can also protect high value areas of land (such as sports venues) and a linear or “straight line” version for access-ways through permanent, strategic (such as river bank and estuary) defences.

This patented system overcomes all the drawbacks of most other systems currently available. By rising automatically, it does not require a large number of workers or volunteers for it to be deployed. The free-standing design ensures that it is not, theoretically, height-restricted, as are those which rely for support upon the strength of the property's walls.

Proof of concept has been demonstrated not only by earlier, initial, smaller scale models but now full sized prototypes (see below) of both versions. Initial feasibility study work was undertaken by the very well respected consulting mechanical engineers Kenneth Grubb Associates Ltd of Bournemouth – www.kgal.co.uk - who specialise in water related engineering systems. Their clients include the Environment Agency, British Waterways and several Port Authorities, both U.K. and internationally.

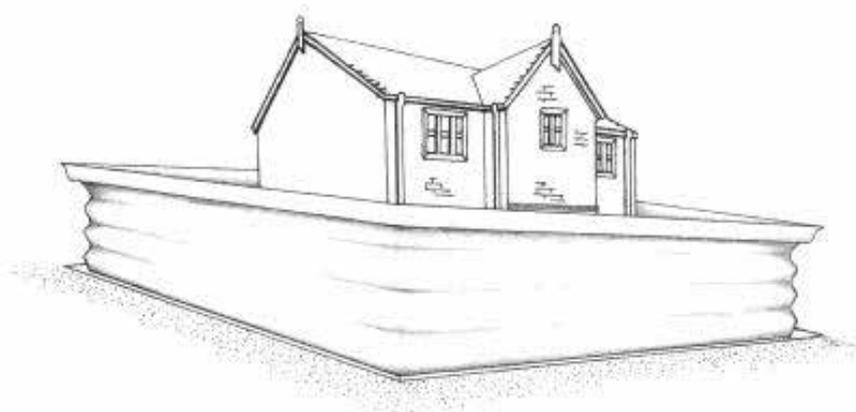
Commercial and other applications

The system's civil and mechanical engineering applications have global potential, and could include river/estuary defences, infrastructure (water, power, transport, hospitals, local government, schools etc) protection and possibly some coastal defences.

Other applications include self-erecting swimming/leisure pools, emergency portable reservoirs for drought-ridden areas and spillage containment defences to surround storage tanks – all using the same principle of flotation and built-in barrier but with the waterproofing lining on the inside of the barrier to keep the liquid in, not out.

Engineering applications of the barrier could also include coffer dams to protect bridge pillar repairs, or even a “patch” that could be floated down a river to plug a levee/dyke breach.

Smaller, portable flood barriers could be adapted for protecting cars and even used as a rescue aid for the emergency services, when dealing with persons trapped in rising waters, to give them more time to release them safely.

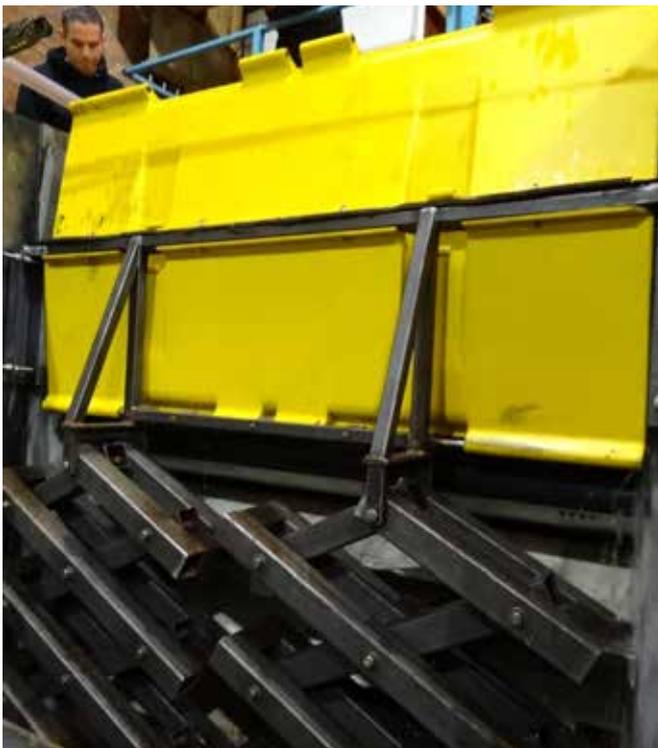


Passive Flood Barrier

Full size prototypes

The closed system was installed in a custom-made testing facility in a quarry lake near Hereford.

Measuring 8 metres by 6 metres, it was designed to defend an area from flood depths of up to 5 feet (1.5 metres) and first successfully achieved this on 1st February 2010.



There are very many types of temporary flood barrier systems, either to block apertures in properties (doors, airbricks etc.) or free-standing and not attached to any buildings, but they all require manual erection and dismantling afterwards.

The following brochure details many types of products that are available.

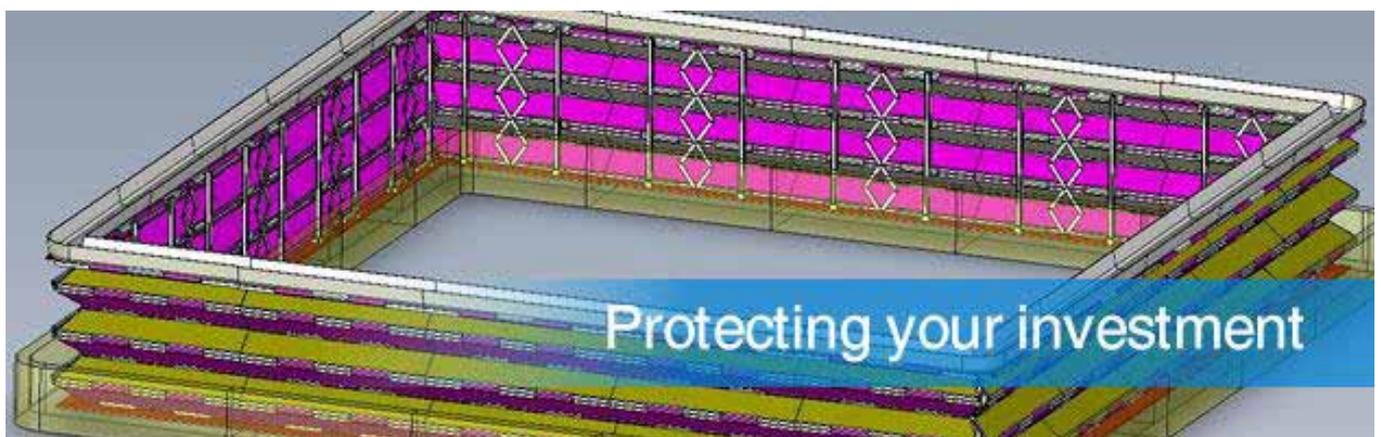
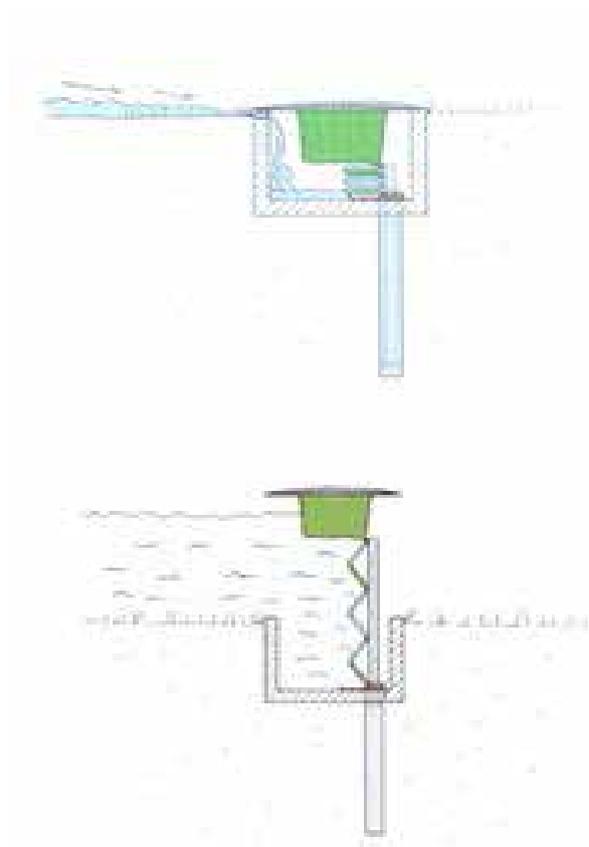
Passive Flood Barrier

The barrier comprises a concertinaed barrier made from rigid battens, hinged together, then skinned with a waterproof membrane and attached at the bottom to a housing trench set into the ground, with the top flush with ground level.

The top of the barrier is securely affixed to the underside of a pontoon-like float that is the lifting power for the barrier. The top of the float doubles as the lid for the barrier when in its resting position within the housing trench around the property and is capable of taking the weight of people and vehicles when not in use.

As floodwaters arrive, they enter the flood side of the housing trench and start to lift the float, which in turn starts lifting up the concertina shaped barrier. The whole float and barrier unit acts as the defence against the floodwaters and will continue extending upwards for as high as the flood goes, but no further, all the time using the lifting power of the water itself and no other power.

As the floodwaters recede, the barrier and float will retract slowly back into the housing trench.



Flood Gate Series

Description

Flood Gates are a rectangular metal faced flood gate suitable for wall and thimble mounting, with on-seating heads up to 6 metres and offseating heads up to 3 metres. Conventional wedges are positioned each side of the frame to apply a face to the door in the closed position.

Options

- An extensive range of operating gear can be utilised
- Faced wedges available in the same material as the sealing faces
- Fixing bolts supplied on request
- Sealing faces can be secured to satisfy the requirements of the American Water Works Association specification - AWWA C501-92
- Circular apertures (sealing faces remain rectangular)
- Thimble mounting
- Full and half frames available



Flood Gate Series

Material Specification

Frame

Constructed in BS EN 1561 min. 250 cast iron for wall or thimble mounting applications.

Sealing Faces

Phosphor bronze sealing faces to BS EN 12167:1998 are supplied as the standard material bedded to 0.1mm feeler gauge non- acceptance to provide an effective seal.

Door and Frame

The sealing faces are fixed securely using long taper countersunk pegs in the same material as the sealing face.

Wedges

Constructed in BS EN 1561 min. 250 cast iron to provide a large contact area with the door. The wedges are adjustable to accommodate wear during the life of the penstock.

Flush Invert

The resilient flush invert seal is bolted onto the frame invert member.

Thrust Housing

Manufactured in cast iron to BS EN 1561 min. 250 with low friction washer and lubricator.

Invert Seal

A flush invert is supplied as a standard feature, the seal is manufactured from Ethylene Propylene Di-Methyl (EPDM) to ASTM D2000.

Door Nut

Manufactured from phosphor bronze to BS EN 12167:1998 for non-rising stem applications, or cast iron to BS EN 1561 min. 250 for rising stem types.

Door

Constructed in BS EN 1561 min. 250 cast iron designed to withstand seating heads up to 6 metres, and 3 metres off-seating.

Fasteners

Standard fasteners are supplied in stainless

Description

Hi-Bar Stainless Steel rectangular Flood Gates are designed to meet the ever changing demands of customers.

The generic flood gate design, which is tailored using parametrics software, develops and individualises the flood gate to suit specific duty and aperture requirements.

The Fabricated Stainless Steel Series also offers greatly enhanced levels of customer service, reduced design drawing turnaround, improved reply to enquires and an enhanced delivery performance.

Options

- Size Range 400mm² upto 3000mm²

Mounting

- Wall
- Channel
- Side Wall
- Weir

Material Specification

Frame

Open top and full frame versions are available. The frames are manufactured from stainless steel to BS EN 10088 : 1955 grades 1.4301 (304) or 1.4401 (316)

Door

Design for high impact whilst incorporating a lightweight single skin design with rib reinforcing manufactured in stainless steel to BS EN 10088:1955 grades 1.4301(304) or 1.4401 (316).

The number of reinforcing ribs will vary according to the specific duty and size requirements.

Sealing Faces

The sealing arrangements combine the use of resilient and or synthetic materials.



Wall Mounted Flood Gate



Channel Flood Gate

Culvert Valve

Description

This range of Culvert Valves is ideal when mounted direct onto the face of a sea wall subject to wave action, designed as a first line of defence.

Standard Size Range

500mm square up to 1500mm square or any rectangular size within these limitations. Larger sizes can be accommodated depending on pressure.

Mounting

Standard fixing arrangement is wall fixing onto a flat vertical wall.

Note: It is recommended that at least 300mm fall away is provided at the invert to prevent fouling of the bottom of the door.

Material Specification

Frames

Top, bottom and side pressed members produce a sloping surface which will guarantee closure in balanced or dry conditions.

Frames are manufactured from stainless steel to BS EN 10088 : 1995 grades 1.4401 (316) or 1.4301 (304).

Doors

Constructed from material which is a specially developed and reinforced high performance natural rubber compound. Its excellent properties are ideally suitable for use as flexible flap valve doors.

Hinge

The hinge is an integral part of the door.

Fasteners

All fasteners used in the construction of flexible flap valves are in stainless steel to BS EN 10088 : 1995 grade 1.4401 (316).

Fixing bolts

Can be supplied on request.

Flexi Culvert Valve



Culvert Valve

Flap Valves

Flap Valves

The primary application of flap valves is for surface water drainage associated with rivers, estuaries and seawater outfalls to prevent reverse flow conditions.

Flap valves can be utilised on final effluent outfalls for sewage treatment plant to prevent flood damage within the works.

The flap valves should be positioned on the outfall structure to avoid the build-up of debris around the invert area which could prevent the valve operating correctly. Sufficient fall-away should be provided between the invert of the flap valve and the base of the outfall structure.

Flap valve application on sea water outfalls should be given careful consideration due to turbulence of flow across the flap, particularly when severe wave action is involved, resulting in dislocation of the flap relative to its seals. Wherever possible the flap valve should be located in a shielded position to minimise the effects of severe wave action.

Hi-Bar manufactures a comprehensive range of flap valves. Generally, most flap valves are of single door type but double door types are also available. The cast iron series of flap valves is constructed from traditional materials utilising the most modern production techniques to provide a robust and reliable product.

Flap valves can be supplied for wall, flange or thimble mounting applications.

Features and Benefits

The traditional material for flap valves is cast iron with its proven reputation for strength and durability. Hi-Bar however, offer a range of materials each with their own features and benefits in addition to their range of cast iron flap valves.

Flap Valves

Circular Cast Iron

- 80 to 2000mm diameter
- Metal to metal seals for durability and low leakage rates
- Robust construction for durability
- Wall or pipe mounted
- Double door flap valves available for reduced head loss
- Integral cast lifting lugs as standard
- Seals resistant to erosion by grit
- Double hung to ensure full face sealing

Rectangular Cast Iron

- 400 to 2000mm square
- Metal to metal seals for durability and low leakage rates
- Robust construction for durability
- Wall or pipe mounted
- Double door flap valves available for reduced head loss
- Integral cast lifting lugs as standard
- Seals resistant to erosion by grit
- Double hung to ensure full face sealing

Stainless Steel

- 400 to 2000mm square
- Corrosion resistant – available in a range of stainless steels
- Custom-built to suit project requirements
- Double hung to ensure full face sealing
- Low operating (cracking) head due to light weight
- Reduced maintenance

Circular Composite Plastic

- 100 to 600mm diameter
- Low cost
- Flush face helps prevent debris build-up
- Resilient seating with low head loss
- Corrosion resistant
- Low operating (cracking) head due to light weight
- Wall or flange mounted
- 100 and 150mm diameter totally maintenance free – no moving parts
- Reduced maintenance

Rectangular Composite Plastic

- 400 to 2000mm square
- Low cost
- Flush face helps prevent debris build-up
- Custom built to suit project requirements
- Corrosion resistant
- Low operating (cracking) head due to light weight
- Double hung to ensure full face sealing
- Replaceable mechanically fixed seals
- Reduced maintenance

Flexible

- Up to 1500mm square
- No maintenance required
- Suitable for direct wave action
- Corrosion resistant
- Hinge forms integral part of door

Flood Logs

Overview

Hi-Bar manufacture a range of Flood Logs in square and rectangular aperture's which are suitable for a wide variety of applications and industries. The product can be fitted in both new and old applications.

The Wall and Channel Mounting Flood Logs are used mainly for weiring and isolation duties. Widely utilised in the isolation of screens and other key areas for maintenance within the works.



Flood Logs

Construction

Stoplog Frame

Manufactured in mild steel to BS970 Pt1 Gr43a with parallel resilient seals bonded to frame sides and neoprene invert seal.

Coating

Choice of Galvanized or paint system Galvanizing to Swedish standard SA2.5

Paint System, Blast clean, zinc spray, etch primer and epoxy top coat.

Stainless steel frames can be supplied on request, to BS970 Pt1 gr 304 /316.

Stoplog

Manufactured in stainless steel to BS970 Pt1 Gr 304/316 with stainless steel lifting pins and mechanically fixed EPDM interlog seals. Aluminium; HDPE solid plastic and tropical hard woods can be supplied on request.



Flood Stops

Overview

Hi-Bar manufacture a comprehensive range of Flood Stops in square, rectangular and semicircular apertures, together with a wide range of trim levels and designs to suit a wide variety of applications and industries.

The Flood Stop is available in sizes up to 900mm, over this size Flood Gate or Flood Logs are recommended.

Construction

Frame

Welded Mild Steel construction to BS 4360 43A. Coating by means of galvanising to Swedish Standard SA2.5 or Zinc sprayed, etch primed and epoxy painted. Other options are also available such as stainless steels

Frame Seals

Parallel resilient EPDM seals bonded to frame sides, with neoprene flush invert seal to invert section.

Door

Solid PVC HDPE construction complete with stainless steel reinforcement angles if required.

Lifting Handles

There is a choice between slotted lifting holes within the UPVC door or lifting handles manufactured in Gr 304 stainless steel bolted through the door.



Flood Stops

AutoDam

Description

The AutoDam system is designed to provide the highest level of passive flood defence protection for both commercial and non-commercial markets.

AutoDam provides a dual function role. Initially the AutoDam acts as a traditional surface water drain under normal weather conditions. During extreme weather when an increase in fluid levels is present the AutoDam deploys automatically providing protection against flood damage.

The AutoDam system can be designed to be easily installed into the existing environment or to operate in a pre-cast concrete trap (provided by others) for new build developments.



Construction



Installed - closed



Installed - deployed

System Overview

Internal or external mounted application within drainage channel and barrier. Barrier sizes up to 5m wide and 0.15m height. Can be used to contain any fluid based spillages – water or chemical. Flush mountable – replaces existing drainage channel. Automatic deployment.

Features and Benefits

- Quick and easy to install and maintain – shallow excavation.
- Can be used to contain any spillage – water or chemical
- Single unit with fixed seals on 3 sides
- Can be manufactured to suit most applications
- Passive operation – acts as a drain in normal conditions.

Options

- Visual and audible alarm
- Can be manufactured in stainless steel, GRP and recycled plastic.



Speedy Floodbags

Description

Traditional sandbags are extremely bulky and labor intensive to prepare. Speedy Floodbag was developed to be the most user friendly, ready to implement, cost-effective Floodbag on the market. For many, Speedy Floodbags can be considered a form of “flood insurance”, particularly for those with no insurance.

They are designed to be light and space friendly so they can be stored in as small a space as necessary, yet able to be deployed immediately upon threat of flood. These “ready to work” Floodbags start out flat and weigh under 16 ounces (.45 kg) when uninflated.

By charging the bag with water, the bag quickly inflates to a full floodbag of approximately 37 pounds (16.8 kg). Consider that a box of 50 sandbags can be quickly deployed to create a huge wall of protection when time is of the utmost importance.

Speedy Floodbags are available in 3 versions for any situation and any type of flood water.

- Immediate flood protection, just add water
- Fastest inflating on the market
- Ready to place in 30 seconds, fully inflated in 2 minutes
- Ready to go, no sand required
- Compact, lightweight, saves space (until activated)
- Larger and heavier than other bags, at lower cost
- Safe, non-hazardous, non-toxic, environmentally friendly
- Dispose in trash or landfill, cut open and spread material on lawn or flowerbeds, or add rock salt and water to contents to dissolve when no longer needed
- 25 Year Plus (+) shelf life
- UV stabilized bags
- Patent Pending.



White Bag / Pour-In Activation / Fresh Water Flooding

- Open bag with polymer inside
- Fill bag to half mark with FRESH WATER only (no salt)
- Pour water from hose or bucket, use encroaching flood water
- Protects against fresh water flooding
- Flood protection up to 14"x22"x5" (35.6x55.9x12.7 cm) per bag
- Under 16 oz (.45 kg) uninflated, Approx. 37 pounds (16.8 kg) inflated per bag.

Black Bag / Absorbing Activation / Fresh Water Flooding

- Closed bag with polymer inside
- Charge bag with FRESH WATER only (no salt)
- Bag absorbs water from hose, bucket, container, puddle, use encroaching flood water
- Protects against fresh water flooding
- Flood protection up to 12"x24"x4" (30.5x61x10.2 cm) per bag
- Under 16 oz (.45 kg) uninflated, Approx. 37 pounds (16.8 kg) inflated per bag.

Black Bag / Absorbing Activation / Salt Water Flooding

- Closed bag with polymer inside
- Charge bag with SALT WATER or BRACKISH water only (no fresh water)
- Bag absorbs water from encroaching flood water (or container with salt water)
- Protects against SALT water flooding
- Flood protection up to 12"x24"x4" (30.5x61x10.2 cm) per bag
- Under 16 oz (.45 kg) uninflated, Approx. 37 pounds (16.8 kg) inflated per bag.

Constant Volume Floating Arm

To meet the demand for a satisfactory method of controlling the rate of discharge of waste liquors of all kinds, prior to their entry into Drains and/or Treatment Plants, the Constant Volume design of Floating Arm, illustrated here, was evolved and has been successfully used in many installations.

Fitted into Balancing Tanks or Settling Tanks, the arm is arranged such that the head 'H' remains constant over the full depth of drawdown 'D', ensuring a substantially constant rate of discharge between top and bottom liquid levels.

The orifice is accurately machined into a U.P.V.C. plate, attached by bolts, for interchangeability, if required.

Standard sizes from 80mm to 375mm, outlet pipe diameter, to discharge up to a maximum of 168 litres per second (2,100 gallons per minute) approx., assuming free discharge at the outlet. We shall be pleased to advise on specific requirements.

Material Specification

Swivel Bend

Cast Iron to BS1452 Grade 220

Swivel Bend Bushes

Gunmetal to BS1400 LG2

Floating Arm, Floats and Stays

Mild Steel (Good Commercial Quality) Galvanised

Orifice Plate

U.P.V.C.

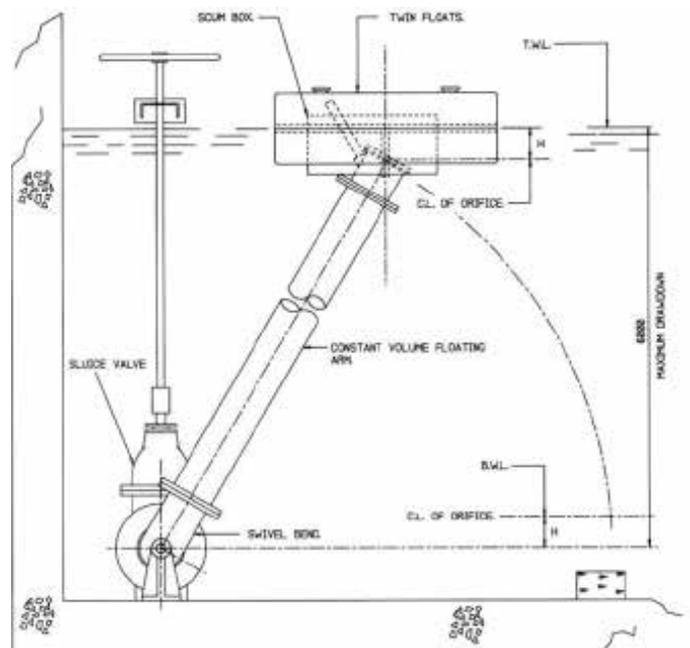
Preparation and Protective System

All cast iron parts are painted with one coat of black bituminous compound and all steel parts galvanised but otherwise untreated.

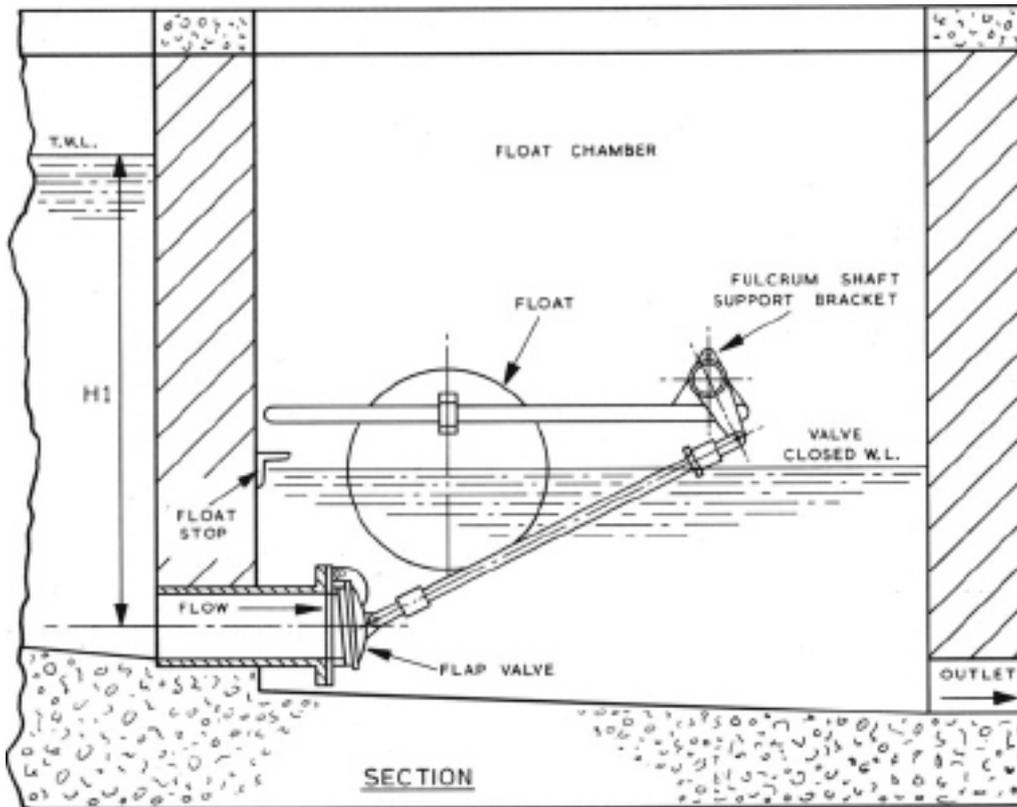
Alternative Preparation and Paint Systems are available upon request.

Optional Requirements

- Stainless steel 304 or 316 for float and arm assembly (generally used in potable water applications)
- Stainless steel main assembly for restricting operation of floating arm
- Cast iron sluice valves complete with handwheel, Tee Key or actuated control
- Special flange drilling
- Wall fixed brackets for swivel bend



Float Controlled Flap Valves



Description

The illustration above details a Float Controlled Flap Valve which is specifically designed for level control as opposed to the control of discharge rates.

The Float Controlled Flap Valve is of particular benefit in preventing "surcharging" in pump storage wells or, for Archimedean Screw Pumps, controlling inflow from subsidiary sources so that the liquid level at the inlet to the screw pumps may be at the height most suitable for maximum efficiency of the pumps. They are also of benefit in Flood Relief projects, allowing floodwater to be retained behind flood banks or similar structures whereby the valves automatically permit the floodwater to return to the water course as the down stream level falls. This often precludes the necessity of providing electric power to control electric penstocks or the manpower necessary to operate the penstocks manually.

Material Specification

Flap Valve Door and Frame, Building in Pipes

Cast Iron to BS1452 Grade 220

Flap Valve Sealing Faces

Gunmetal to BS1400 LG2

Float, Float Arm, Fulcrum Tube and Stays

Mild Steel (Good Commercial Quality) Galvanised

Other materials available upon request.

Preparation and Protective System

All cast iron parts are painted with one coat of black bituminous compound with all steel parts galvanised but otherwise untreated.

Alternative Preparation and Paint Systems available upon request.

Flood Water Removal

Flood Water Removal

PUMP excess volumes of water from watercourses during periods of high rainfall.

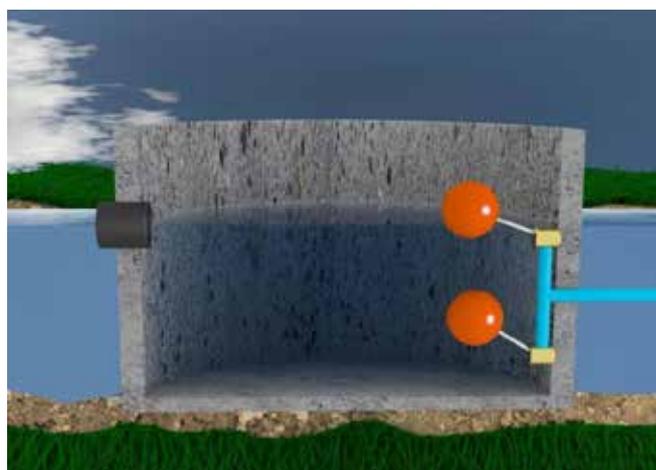
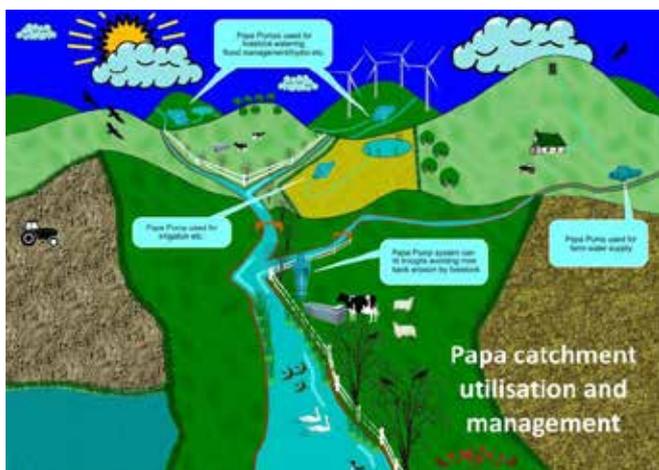
PREVENT downstream flooding of arable and urban areas

PRESERVE the pumped water and store for sustainable utilisation throughout the year

- Pump large quantities of water, transporting 10000+ litres every day over long distances for a variety of uses.
- Reduce environmental damage by supplementing carbon-based pumping systems.
- Improve agricultural productivity by efficient irrigation and livestock watering even in remote areas.
- Supplement costly and energy-consuming treated mains water.
- Reduce water pollution caused by river bank erosion and livestock contamination.
- Lower operating costs for agriculture and horticulture with minimal maintenance.
- Opportunities to generate power from the energy of the stored water



Float valve system enables pump to self-start



Water can only infiltrate collection tank when watercourse is high - low water levels do not permit extraction

Services

Installation, Maintenance and Refurbishment of all makes and models of flood control equipment

- Safeguard your capital investment
- Reduce your overall operating costs
- Maintain the performance of your capital equipment
- Improve your planning and financial control

We offer a full installation and commissioning service to ensure that all installations are highly accurate and free from distortions. This allows our customers to experience the true durability, strength, and long-term performance of our products.

Installation

Site Surveys – To provide accurate specification of the most appropriate and cost effective equipment.

Installation and Commissioning – Ensure the correct installation and commissioning of all Hi-Bar products including:

- Flood gates and Flood Logs
- Hi-Bar Passive Barrier
- Flood Protection Valves

AutoDam Management – Full project management from specification to commissioning.

Site Supervision – Worldwide supervision of the client's own labour to ensure correct installation of equipment.

Maintenance

Risk Assessment – Ensure compliance with Health and Safety Legislation and suitable safety measures are put in place for ongoing maintenance.

Service Programmes – A range of service programmes designed to suit your specific requirements.

Breakdown – An emergency service to deal with an unexpected mechanical breakdown of equipment.

Of course, once installed we also understand that correct maintenance can further optimise our customers' initial investment, minimise their overall operating costs, and ensure correct long-term performance; which is why we also offer tailored maintenance programmes which are designed to specifically meet our customers' operational and service needs.

We have products still in practical working order after over 100 years of continuous service, as well as an archive of project designs and records from the very earliest days of the Company; all of which means that we are able to supply the correct spares and services to equipment of all ages.

Our staff are all trained to the highest level, with all relevant certification, and all of our services are covered by our BS EN ISO 9001:2008 quality certification.

Refurbishment

Site Surveys – To ensure we specify the most appropriate and cost effective refurbishment of existing equipment. **Refurbishment** – We have an extensive archive of information going back over many years so we can ensure that all refurbishment of Hi-Bar equipment is carried out correctly using OEM parts.

Project Management – Full project management from specification to commissioning of refurbished equipment. **Ancillary Equipment** – The mechanical refurbishment of ancillary equipment on treatment plants and other sites.

Spares

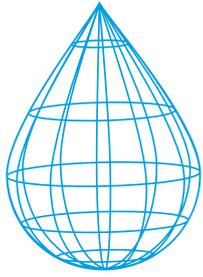
Fastrack – A range of standard spares for an emergency breakdown despatched within 48 hours.

HB Certified – Quality spares manufactured under our BS EN ISO 9001:2008 system to guarantee the continued long-term performance of your equipment. Using our project records which go back over many years we can help to ensure that the correct spare is supplied.

From enquiry to commissioning, our comprehensive service includes:

New Product Installation

- On site services.
- Installation and commissioning
- Site Survey
- In-house CAD, CNC and fabrication
- ISO9001 2008.



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Adams Hydraulics
AutoDam
Coes GRP
FSE Installations
Ham Baker Adams
Ham Baker Control Systems
Ham Baker Pumps
Ham Baker Renewables
Hi-Bar
Industrial Penstocks
Industrial Pipelines
Industrial Valves
Intovalve
IVL Flow Control
Kempster Valves & Engineering
Three Star Environmental



Ham Baker Group is a trading name of F. J. Holdings Ltd
Company Registration No. 4878424