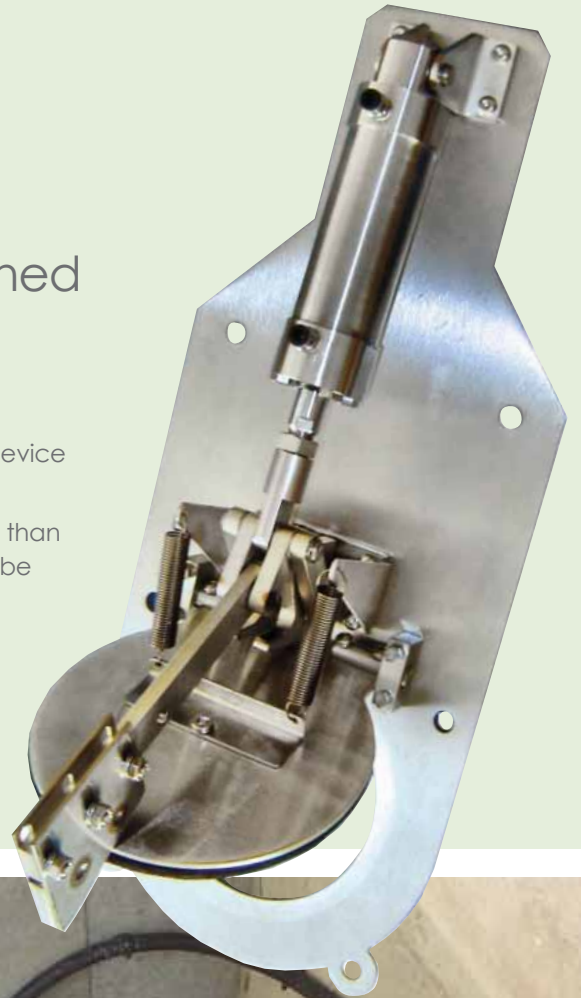


# The Flapstopper™

The Flapstopper™ has been designed to effortlessly mitigate spill and firewater incidents.

Using in-drain containment theory this dual purpose drain closure device can help any site meet their legislative requirements.

Manufactured from stainless steel, the Flapstopper™ is more robust than older bladder style systems. The pollution containment valves can be tailored to bespoke drain measurements, from 100mm up to '000's of mm. The Flapstopper™ can be activated manually via a push button on the control panel, or remotely using worker operated call points, fire alarm detection equipment, or a range of condition detecting probes, for example, oil interceptor alarms allowing the end user to have total control over their system.



## Completely retro-fittable

Already being used in:

- chemical environments
- locations where medias may cause bladders to perish
- ATEX areas where a more hardy product is required.



## Choice and flexibility

The control panel can be operated by mains electric, or a solar panel, which can be as small as 10W. The solar option allows use of the Flapstopper™ in hard to reach sites, or in locations where it is not cost-effective to run mains power to.



## Market leader

Activation rapidly closes the valve in the man-hole or outflows in less than 5 seconds significantly reducing the risk of contamination, enabling the Flapstopper™ to be a market leader in pollution control and major spills.





## Case Study Risk to water during a major spill or firewater event

### Background:

As part of a continuous development programme, a COMAH site in the West Midlands needed to address their potential risk to the local water course during a major spill, or firewater event. Numerous products used to create foam and coverings for the automotive industry have the potential to seriously damage the local wildlife and environment should an incident occur.

### Brief:

To quickly and remotely operate valves which would isolate their surface water drainage network during an event combined with a remote positive closure message. Full testability, along with a secondary closure and open method; in addition, visual recognition of the valve status. No mains power available at the outfalls to be isolated.

### Solution:

A completely solar powered system was developed which included three valves, isolating three different surface water outflows from site, giving the site control over various elements of their production and loading facilities either collectively, or autonomously. This enabled the client to also use the valves for smaller spill events ensuring the customer had maximum efficiency out of the Flapstopper™ system. Once remotely operated, a completely stand-alone positive closure system activates to give the status of each of the valves. EIL also added the automation of the Flapstoppers™ by linking two interceptor alarms to the system, fully integrating the GSM and web interface notification facility. This gave further value added to the system, meaning the client was now also managing their interceptor tanks more efficiently, finding cost savings on empties and services. The entire system is not closed, but can be expanded at any point.