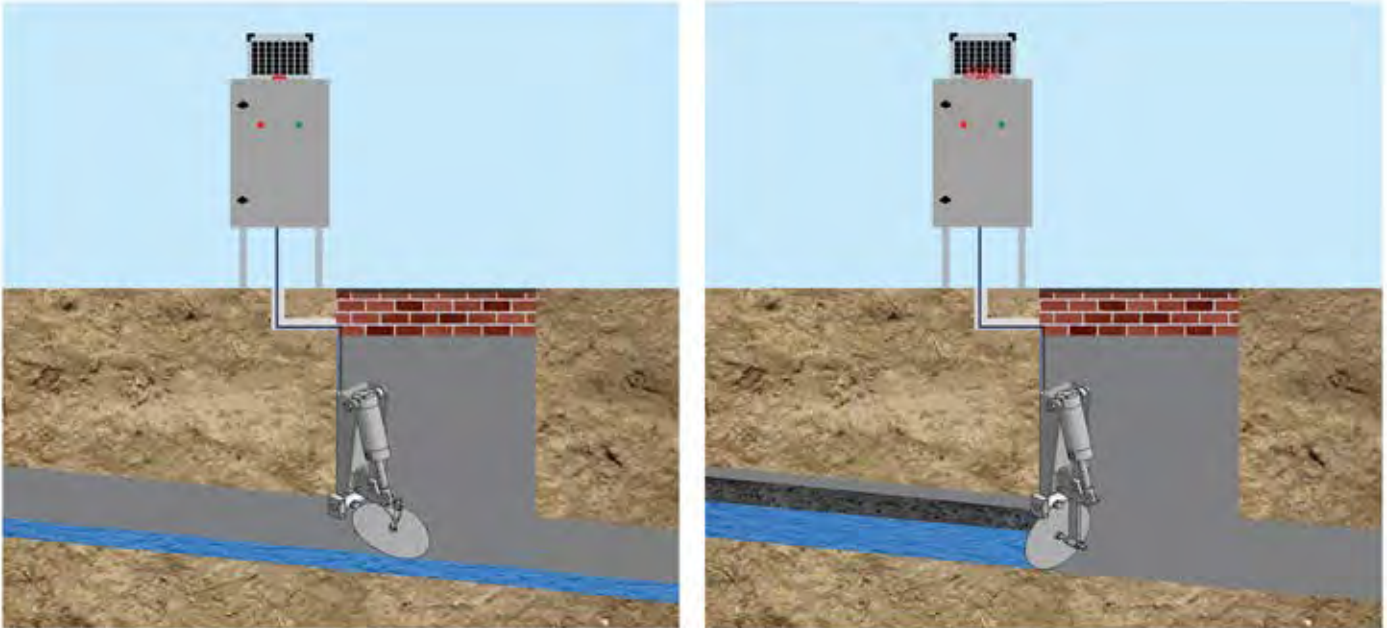


Flapstopper - Drain Closure Valve



“Shut-off valves and penstocks can isolate part or the whole of a site’s drainage system. They can help retain a spill on site..... They may be operated manually on site or triggered by automatic sensors.” Dealing with spills: PPG 22

The Flapstopper is an emergency drain closure valve which seals your drainage and prevents any pollution or firewater from leaving site, once the incident has passed you can pump out the contamination and reopen the flapstopper allowing normal flow to continue.

Benefits of the flapstopper include:

- Manufactured from 100% stainless steel, or from specialist materials for sites with highly corrosive substances
- Does not obstruct the normal flow of the drain
- Can be installed on the inlet or outlet of a manhole chamber
- Closes in a matter of seconds
- Can be made bespoke to fit any sized drain
- Mains or solar powered options available and remains closed in a power outage
- Manual activation via control box
- Remote activation via relay boxes or text message
- Automatic activation methods can be designed bespoke for most site specific needs, common automatic activations methods include oil sensors, pH sensors, lactometers, fire alarms and high/low water level alarms

“We are EIL’s preferred supplier, installer and maintenance provider for all of their pollution control devices”

We are authorised distributors and have been installing and maintaining Flapstopper systems for the past 6 years. We are happy to take over the maintenance regime for existing systems or provide you with a complete package covering consultancy, installation and maintenance.

We specialise in designing bespoke solutions to manufacture systems to suit site specific needs. Below are several case studies featuring systems with bespoke designs or activation methods.

Chemical Spill Prevention Case Study

Our client, a heavy metal refinery needed a system installed to prevent chemical spills escaping site. A bespoke system was designed which included:

- Having a system specially manufactured from specialist material to protect against attack from extremely strong chemicals
- A reverse valve to allow install on the outlet of the chamber
- Automatic activation via a pH probe
- Numerous remote activation points in all high risk areas



Oil Spill Prevention Case Study

Our client, a pharmaceutical manufacturer approached us to design a solution to prevent any oil spills escaping site. We explored the options of installing an interceptor or a bespoke flapstopper system.

Economic and site constraints meant that it was not viable to install an interceptor. Our flapstopper proposal was forwarded to the environmental regulator who confirmed they were happy that this solution reduced the pollution risk to an acceptable level. Our solution included:

- Installation of baffle system & an oil alarm in the drainage to automatically activate the flapstopper when oil is detected
- Installation of a pump activated by a high water sensor to pump any contaminants to the effluent system in the event of a spill



Flood Prevention Case Study

Our client, a major electricity distributor, had problems with their drainage flooding during high rain fall events. We designed a system where the flapstopper was automatically activated by a high level alarm closing off their drainage and diverting rainwater to a nearby watercourse.

