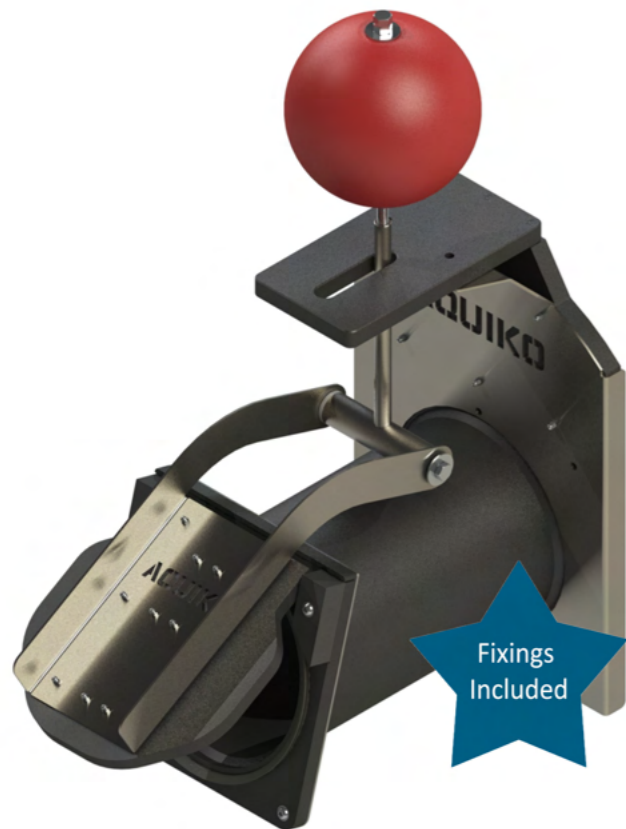


Flapped outfalls often pose a barrier to fish migration, particularly at the point of entry from the sea. AQUIKO offers a fish friendly flap valve to provide a window of opportunity for fish and eels to migrate naturally, without compromising flood defence.

AQUIKO Fish Friendly Flap Valves offer the same benefits as the standard flap valve range. An integrated float regulated portal allows a small opening for fish to use as the tide turns. Which then closes before a critical water level is reached.



- ▶ EFFECTIVE FISH PASSAGE
- ▶ LOW MAINTENANCE
- ▶ QUICK INSTALLATION

The AQUIKO "Pet" flap fish-friendly flap valve is a standard flap valve, fitted with a custom-made float arm that lifts and closes the pet flap as the tide advances. This type is ideal for main river outfalls and has the benefit of an adjustable delay in closure to allow optimisation.

The pet flap systems are fitted to otherwise standard AQUIKO flap valves, meaning you still get all the benefits of their design - simple installation, low maintenance and excellent protection from flooding. The equipment is manufactured in the tried and tested HDPE and Stainless Steel 316 combination and can be manufactured to specific requirements.

### AQUIKO Eel Dampers

The Standard AQUIKO Flap Valve is designed to completely shut under equal pressures. The AQUIKO Eel Damper ensures the AQUIKO Flap Valve remains slightly open under equal pressure to allow eel and elver passage.

The exact closing level is dependant on the number of dampers fitted and can be calculated by the AQUIKO team. Eel dampers can be fitted to any size AQUIKO Flap Valve.



### Bespoke Eel Dampers

For larger applications or where the force the flap valve will be subjected to is above the capabilities of the standard eel damper we have designed a spring damper system.

The spring on the damper system is an epoxy coated chromium-vanadium steel so will last longer than the standard eel dampers. To combat corrosion we designed the cassette to allow replacement of the springs. Due to the double hinge system, the door can move up and down a little, so we added bronze wearing plates for the pin to rub against. These have also been designed to be replaceable. The cassette is manufactured in stainless steel 316 with internal bronze bushes and allows adjustability in the spring compression so you have some flexibility as to when the valve is fully closed.

