

Fishcon lock Leumühle on the river Aschacharm in Austria

The Fishcon lock was built at the site after an unused ballast lock, overcomes a height difference of approx. 1.5 m and is operated with an attraction flow rate of 125 l/s. The connection to the water is via a bypass channel, which was already there, but is not optimally designed.

Facts:

- *Fish region: epipotamal*
- *Lead fish: barbel 60 cm*
- *Height difference: about 1.5 m*
- *Attraction flow rate: 125 l/s*
- *Water saving: 145 l/s compared to slot pass*
- *Fishcon lock: DN900 with throttle*



Monitoring:

The fish trap monitoring at the site was started in autumn 2019 and completed at the end of June 2020. The migration of a total of over 5,300 fish from 27 native fish species has been verified. Including the migration of schools of fish (common nase, common bleaks ...), bottom-dwelling fish (stone loach) and weak-swimming fish species (European bitterling, common rudd).

The largest fish was a 700 mm European eel. The migration of a northern pike measuring 601 mm and a zander measuring 610 mm could also be documented. Due to the very positive results, **the Fishcon lock was rated as functional according to the new and old Austrian guidelines** by the company Blattfisch.

