

Title (en)
Fusegate

Title (de)
Überlaufbauwerk

Title (fr)
Hausse fusible

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Application
EP 08870623 A 20081017

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Abstract (en)
[origin: WO2009050342A1] The invention relates to a fusegate for a hydraulic construction such as a river sill or a spillway on a weir or on a protective dyke, comprising a massive element (1) arranged on the crest of the construction and held thereon by gravity so as to form a watertight or substantially watertight wall, said element being installed on said hydraulic construction and being able to move aside in order to allow water to flow through without obstruction when the level of the reservoir or of the waterway reaches a predefined level, and a chamber (2) being formed at the base of the massive element (1) between the latter and the surface which supports it, pressurizing means enabling the chamber (2) to be filled with water so as to generate, below the massive element, an upwardly directed thrust when the water of the reservoir or of the waterway reaches the predefined level. The invention is defined by the fact that these pressurizing means consist of a water intake at a supply structure (3) provided with two compartments (3a, 3b) defined by an inner vertical wall (4), the two compartments (3a, 3b) being in communication with one another via at least one passage (5) formed in the upper part of the supply structure (3), one of the compartments (3a) having one or more openings in its lower part whereby water from the reservoir or the waterway can enter the supply structure (3), whereas the other compartment (3b) is in communication with the chamber (2) below the massive element (1). Applications in hydraulic constructions such as a river sill or a spillway on a weir or on a protective dyke.

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Cited by
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