

Title (en)  
VALVE

Title (de)  
VENTIL

Title (fr)  
SOUPAPE

Publication  
**EP 0733178 A1 19960925 (EN)**

Application  
**EP 95902068 A 19941129**

Priority  
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Abstract (en)  
[origin: WO9516155A1] A valve with an inlet and an outlet is disclosed, between which there are arranged a valve seat element (5), which surrounds a duct (8), and a closure element (6), which is arranged to be loaded with a controlling force in the direction in which it engages with the valve seat element (5). It is desirable for such a valve to be used also for fluids having a relatively low boiling temperature, for example, water, and to be able to withstand high pressures and high flow speeds. To that end, the closure element (6) has a closure face (11) running substantially at right angles to the direction of flow, which face lies in a contact zone adjacent to the valve seat element (5), the closure element (6) beyond the closure face (11) having a bevelled sloping face (13) which forms a predetermined first angle (W1) with the closure face (11), and the valve seat element (5) beyond the contact zone having a bevelled lateral face (19) which forms a predetermined second angle (W2) with the axis (10) of the duct.

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