

Title (en)
DISCHARGE VALVE APPARATUS

Title (de)
ABLAUFVENTIL

Title (fr)
VANNE DE REFOULEMENT

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Application
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Abstract (en)
[origin: WO9848121A1] The invention relates to discharge valve apparatus for immersion in and discharge of fluid, usually water, from a cistern (not shown) comprising a housing (2), a valve means or piston (3) in the housing (2) for co-operation with an outlet (4) from the housing (2) to prevent flow of fluid from the housing (2) and being movable to open the outlet (4) for flow of fluid therefrom, a pilot valve (5) which is operable to open a free flow between a chamber (6) of the housing (2) and the outlet (4) and means (7) to provide passage of ambient air to the chamber (6), the arrangement being such that with a passage of air being maintained, hydrostatic forces acting on the underside of the valve reduce in proportion to the fluid level fall so that as the fluid falls to a desired level the weight of the valve (3) exceeds the upwards forces whereby to allow the valve to descend and close the outlet (4).

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