Title (en)

LIQUID SUPPLY INSTALLATION

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0324864A1] Liquid supply installations normally have a drainage tank, into which are introduced certain quantities of liquid which are carried away from the discharge conduit, for example, to reduce excess pressure or to remove a second liquid. The object is to prevent undesired escape of liquids even when the drainage tank is completely full. According to the invention, all supply conduits (6, 7, 9, 29) to the drainage tank (4) lead into a common inlet conduit (13) in which is arranged a first non-return valve (14) which is closed when the drainage tank reaches its maximum filling level. A second non-return valve (15), which is closed in the event of an increase in pressure in the inlet conduit (13) caused by the closure of the first non-return valve (14), is provided in the inlet region of the discharge conduit (2). This arrangement therefore prevents in a safe manner the drainage tank (4) from overflowing. The invention can be used, for example, in refuelling installations for aircraft or in the distribution of chemicals. <IMAGE>

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IPC 8 full level

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