

Title (en)
VARIABLE VOLUME SEALED CONTAINER FOR STORING LIQUIDS

Title (de)
DICHTER BEHÄLTER MIT VARIABLEM VOLUMEN FÜR DIE LAGERUNG VON FLÜSSIGKEITEN

Title (fr)
RESERVOIR ETANCHE A VOLUME VARIABLE POUR LE STOCKAGE D'UN LIQUIDE

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Application
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Abstract (en)
[origin: WO9618559A1] Variable volume container composed of essentially rigid elements ensuring superior airtightness and a sealed environment, in particular for preserving liquids and preventing any contact with the air. A lower element (1) of the container comprises a tank (14) into which is poured a liquid of variable volume to be stored (15), and a sealing envelope (16) surrounding the tank and containing a steady volume of a second liquid (17). An upper element (2) comprises a cover (20) which floats on the stored liquid, and a vertical skirt (24) which dips into the sealing envelope. The upper element (2) rises and descends with the level of stored liquid and traps an intermediate gas (29) between the two liquids (15 and 17). The container of the invention is useful for storing and/or carrying liquid products, in particular, beverages, hydrocarbons, waste water and farm effluents.

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