

Title (en)

HYDROACCUMULATOR, IN PARTICULAR A BLADDER ACCUMULATOR

Title (de)

HYDROSPEICHER, INSBESONDERE BLASENSPEICHER

Title (fr)

ACCUMULATEUR HYDRAULIQUE, NOTAMMENT ACCUMULATEUR DE TYPE VESSIE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0233266A2] The invention relates to a hydroaccumulator, in particular a bladder accumulator. Said accumulator comprises a pressurised container (1), a separation element (5) which is located in said container and separates a gas chamber (7) in the pressurised container (1), lying adjacent to an inlet on the gas side from a fluid chamber (9), lying adjacent to an inlet on the fluid side (3), said inlet having a fluid connecting sleeve (11) and a valve arrangement located on the connecting sleeve (11), said arrangement having at least one valve body (17) that has a transversal bore (33). The valve body is usually pretensioned in an open position which allows the passage of fluid and can be displaced into a closed position by a displacement of the separation element (5), the interior surface (15) of the connecting sleeve (11), which lies directly against the valve body (17), guiding the displacement of said body between the open and closed positions. As the side of the valve body (17') that faces the separation element (5) is configured as a plate running on one plane, as the respective transversal bore (33), which is delimited by the plate (17') in the open position, opens at least partially into the fluid chamber (9) and as the diameter of the valve body (17) is greater than its height, measured in the direction of displacement of said valve body (17), the valve arrangement has a plate-valve construction of small proportions and can be cost-effectively produced.

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