

Title (en)
HYDRAULIC ACCUMULATOR, ESPECIALLY BLADDER ACCUMULATOR

Title (de)
HYDROSPEICHER, INSBESONDERE BLASENSPEICHER

Title (fr)
ACCUMULATEUR HYDRAULIQUE, EN PARTICULIER ACCUMULATEUR A VESSIE

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Application
EP 02719683 A 20020104

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Abstract (en)
[origin: WO02059486A2] The invention relates to a hydraulic accumulator, especially a bladder accumulator, comprising an accumulator housing (10), a separation element disposed therein that separates within the accumulator housing a gas chamber (16) adjoining a inlet (14) on the gas side from a fluid chamber (18) adjoining an inlet (20) on the fluid side. Said inlet on the fluid side has a fluid connecting neck (22) which comprises a valve support (40) disposed in said neck and having fluid openings (42), and a disk-shaped valve body (32) that tapers towards the valve shaft (46) on its side facing the valve support (40). Said valve shaft can be pretensioned via a force accumulator (62) into the open position in which it releases the fluid opening, and can be displaced into its closed position by a displacement of the separation element (12), and projects into the fluid chamber (18) in the open position. The valve body (32) is an integral, especially one-piece component of the valve support (40) that is guided along its outer periphery (56) within the connecting neck (22) so as to be displaceable therein, thereby creating a hydraulic accumulator that is comparatively simple and inexpensive in production.

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