

Title (en)

DEVICE FOR REDUCING PRESSURE PULSATIONS IN HYDRAULIC MANIFOLDS

Title (de)

VORRICHTUNG ZUM REDUZIEREN VON DRUCKPULSATIONEN IN HYDRAULIKLEITUNGEN

Title (fr)

DISPOSITIF POUR REDUIRE DES PULSATIONS DE PRESSION DANS DES CONDUITES HYDRAULIQUES

Publication

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Application

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Abstract (en)

[origin: EP0971164A2] The invention relates to a device for reducing pressure pulsations caused in a hydraulic system, especially by a pump. Said device comprises a compensation volume (41) with a displaceable wall or membrane (39) that is located in said volume and that shuts off the volume. On one side, said wall or membrane is impinged upon with pulsations and on the opposite side with a counter-pressure which corresponds to at least approximately the average pressure of the hydraulic system. The pressure compensation volume (43) that is applied on the opposite side of the wall or membrane (39) is linked with the hydraulic system via a compensation manifold (51), said manifold (51) opening into the hydraulic system downstream of the compensation volume (41) in the direction of propagation of the pulsations.

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