

Title (en)

STOP VALVE FOR HYDRAULIC FLUIDS

Title (de)

SPERRVENTIL FÜR HYDRAULIKFLÜSSIGKEITEN

Title (fr)

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Application

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Abstract (en)

[origin: WO0238991A2] Large nominal diameters, especially in conjunction with high pressures, in hydraulic systems, lead to considerable operating forces being necessary for stop valves. Often, these forces can no longer be applied manually. Providing additional forms of energy such as electrical or pneumatic energy in hydraulic systems is complicated and costly. The invention makes use of the existing hydraulic pressure to enable a stop valve in a hydraulic system with conduits with a large nominal diameter to be operated manually. The invention relates to a 2/2-way stop valve for hydraulic fluids in industrial systems. The valve construction comprises the following: a pilot valve, an annulus (23), a switching plug (01) and sealing elements (02). The inventive stop valve is suitable for larger nominal diameters and high pressures and has no supply of energy other than the hydraulic energy. The stop valve is particularly suitable for use in hydraulic systems with conduits with a large nominal diameter and high pressures.

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