

Title (en)

MULTIWAY FLOOD VALVE FOR TECHNICAL LIQUIDS WITH LINEAR FLOOD FLOW CONTROL

Title (de)

MEHRWEGE-FLUTVENTIL FÜR TECHNISCHE FLÜSSIGKEITEN MIT LINEARER FLUTMENGENREGULIERUNG

Title (fr)

VANNE MULTI VOIES À DÉBORDEMENT POUR LIQUIDES TECHNIQUES MUNIE D'UN CONTRÔLE DE DÉBIT LINÉAIRE

Publication

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Application

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Abstract (en)

[origin: WO2019201365A1] The invention relates to a multi-port flooding valve for technical fluids, such as technical waxes, with linear flooding volume control for the optimal supply of the technical fluid to points of demand. For this purpose, a piston (2) that moves in a linear and rotary manner in a fixed hollow shaft (1) is provided with a wax-supply borehole (10). This borehole is provided with the same cross-section in terms of shape and size as the two through-boreholes (6) of the hollow shaft (1) arranged spaced apart from one another. The spacing of the two through-boreholes (6) of the hollow shaft (1) correspond to the possible linear path of the control piston (2). The hollow shaft (1) is provided with a residual wax discharge (7) in the region outside the wax deposit assembly (4). Two wax flooding discharge boreholes (8) arranged opposite one another in an offset manner are arranged on the hollow shaft (1), upstream and downstream of the residual wax discharge (7), which wax flooding discharge boreholes are connected to the wax flooding connecting pieces (9.1 and 9.2) arranged on the outer wall of the hollow shaft (1).

IPC 8 full level

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