

Title (en)  
REGULATORY DEVICE COMPRISING A THRESHOLD VALUE CONTROL VALVE

Title (de)  
REGELEINRICHTUNG MIT GRENZWERTREGELVENTIL

Title (fr)  
DISPOSITIF DE REGULATION COMPRENANT UNE SOUPAPE DE REGULATION DE VALEUR LIMITE

Publication  
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Application  
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Abstract (en)  
[origin: WO03093676A1] The invention relates to a regulatory device for a pump (2), whose delivery volume can be adjusted, said device comprising a control valve unit (3) for regulating a control pressure that operates in a control pressure chamber (21) of an actuator (4, 5). The control valve unit (3) comprises a threshold value control valve (22) and a delivery flow control valve (23). The threshold value control valve (22) is subjected to a pressure from a working line (7) on the delivery side and the delivery flow control valve (23) can be subjected to a consumer input pressure taken from a consumer supply line (8), at a comparison pressure connection (29). In addition, the delivery flow control valve (23) is subjected to a control pressure that counteracts the consumer input pressure, at a regulatory pressure measurement connection (27). A control pressure feed connection (38) of the delivery flow control valve (23) can be connected to the working pressure line (7) on the delivery side in a variable manner, by means of the threshold value control valve (22).

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