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JET ADJUSTER

Title (de)

STRAHLREGLER

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Abstract (en)

[origin: US6126093A] The invention involves a flow regulator (80) with a flow dispersion device (9) as well as with a flow regulation device (1) that forms the face of the flow regulator (80) which is connected downstream in the flow direction and has several flow-through holes (3). For the flow regulator according to the invention it is characteristic that the flow regulation device (1) has a perforated plate (2) on the outlet side, that has, in at least a partial area constructed as the perforated field of its planar surface that is oriented transversely to the flow direction, several flow-through holes (3) whose guide walls (4) that separate adjacent flow-through holes from each other and extend in approximately the flow direction. Each guide all has a wall thickness that amounts to a fraction of the internal hole diameter of a flow-through hole (3) limited by the guide walls (4), and that the ratio h to D between the height (h) of the guide walls and the overall diameter (D) of the flow regulation device is smaller than 1. The flow regulator according to the invention is characterized by an especially good flow formation and a high functional reliability, is where this flow regulator can be manufactured at a comparatively small expense (see FIG. 6).

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