

Title (en)

FLUID DOSING DEVICE WITH A THROTTLE POINT

Title (de)

FLUIDDOSIERVORRICHTUNG MIT DROSSELSTELLE

Title (fr)

DISPOSITIF DE DOSAGE DE LIQUIDE COMPRENANT UNE ZONE D'ETRANGLEMENT

Publication

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Application

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Abstract (en)

[origin: WO0236959A2] The invention relates to a fluid dosing device for a pressurized liquid, comprising a chamber (35) which is arranged in a housing (3) and which is supplied with pressurized liquid by means of a liquid supply line (17, 19); in addition to a valve needle (9) which is guided through the chamber (35), the first end section of said valve needle being able to be lifted and the second end section thereof forming a valve which is connected to the chamber (35), in conjunction with a valve seat disposed on the housing (3). In order to provide a tight and enduring leadthrough for the valve needle, metal bellows (33) are provided as a leadthrough element for the first end section of the valve needle (9) when seen from the chamber (35) in an outward direction. The metal bellows seal the chamber in said region in a tight manner. A throttle point (37, 39) is provided between the valve needle (9) and the inner wall of the chamber between the metal bellows (33) and the mouth (18) of the liquid supply line (17) leading into the chamber.

IPC 1-7

F02M 51/00

IPC 8 full level

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