

Title (en)
PERISTALTIC PUMP

Title (de)
PERISTALTISCHE PUMPE

Title (fr)
POMPE PERISTALTIQUE

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Abstract (en)
[origin: US2007148010A1] The invention relates to a multi-channel peristaltic pump, wherein the housing is constituted by a dimensionally stable support frame (1) and a tube retainer (2) clipped thereto by means of a snap connection. A rotor (3) is provided with three rotatable delivery rolls (33 a, 33 b, 33 c) and is mounted on the support frame (1). The tube retainer (2) is provided with a tube bed body (25) which defines on the inside a tube bed and at the end two legs (2 a, 2 b). Flexible tube sections (43) are received in the tube bed and can be squeezed by the delivery rolls (33 a, 33 b, 33 c) to peristaltically deliver a medium. The two legs (2 a, 2 b) are resiliently elastic so that they can be radially clipped into the support frame (1). The tube bed body (25) has a substantially omega-shaped design and is provided with a continuous inlet and outlet area that ensures a peristaltic delivery of the respective medium with only few pulsations. The inventive pump is compact in design, consists of few components and can be quickly and easily assembled.

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