

Title (en)
DEVICE FOR INJECTING AN ADDITIONAL PRODUCT INTO A PRINCIPAL FLUID

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Application
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Priority
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Abstract (en)
[origin: US4756329A] The invention relates to a device for injecting a metered product into a main circulation of liquid, comprising a metering piston (28) coupled to a stepped piston (11) whose motion results from the pressure of the main fluid in a known manner. The piston (28) interacts with a metering cylinder (10) which is in permanent communication with the lower part of the liquid outlet chamber (8). The mixture of the products is thus confined to the outlet of the device, while no leakproof sliding of a component on contact with either of the liquid and product is necessary, and this eliminates the risks of abrasion of the seals due to deposits on the sliding component. In addition, since the inlet chamber (6) for the main liquid is annular, it permits a filter (33) to be easily installed.

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F04B 13/02 (2013.01 - EP US); **Y10T 137/2516** (2015.04 - EP US)

Cited by
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