

Title (en)
FILLER ADAPTER

Title (de)
BEFÜLLADAPTER

Title (fr)
ADAPTATEUR DE REMPLISSAGE

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Application
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Abstract (en)
[origin: WO2015000454A2] The invention relates to device-related and method-related aspects of a filler adapter for a container that is to be filled with a liquid, which can be placed on the container and has a liquid port, an extraction port, a pressurised gas port and a tube that is connected to a piston and is pneumatically adjustable along an axis, and wherein by means of the tube, which is functionally connected to the liquid port, the extraction port, and the pressurised gas port, it is possible to fill the container with a liquid and/or to extract gases and/or liquid from the container via the filler adapter. The problem addressed by the invention is that of devising a technical solution that is inexpensive and uses a small and lightweight filler adapter. This problem is solved by a filler adapter (1) that has a first cylinder chamber (10) and a second cylinder chamber (11) at axially opposite ends (12, 13) of the piston (7), the first cylinder chamber (10) being connected to a pressurised gas supply and the second cylinder chamber (11) being either also connected to a pressurised gas supply or spring biased, such that the piston (7) can be moved by different pressures and/or forces in the first cylinder chamber (10) and the second cylinder chamber (11) and can be positionally fixed by equal pressures and/or forces in the first cylinder chamber (10) and the second cylinder chamber (11), so that a mouth (16) of the tube (8) can be positioned in multiple axial pipe positions (Z-F1, Z-F2) between two end positions (Z-0, Z-1) in which filling and/or extraction can take place and thus a fill level (15) of the liquid (9) can be adjusted.

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