

Title (en)
PISTON METERING PUMP FOR FLUID MEDIA

Title (de)
KOLBENDOSIERER FÜR FLUIDE MEDIEN

Title (fr)
DOSEUR À PISTON POUR MILIEUX FLUIDES

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Application
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Abstract (en)
[origin: WO2012113514A1] The invention relates to a piston metering pump for fluid media, comprising a cylinder unit (20) which provides a cylinder chamber (18) in which a piston element (38; 50) of a piston arrangement (32; 32, 50) can be moved, wherein said piston element delimits a working chamber (52) in the cylinder chamber (18) in some regions. The cylinder unit (20) has a filling opening (54) which communicates with the working chamber (52) and via which fluid medium can be fed to the working chamber (52), and a dispensing opening (58) which communicates with the working chamber (52) and via which fluid medium can be dispensed from the working chamber (52). The cylinder unit (20) can be moved relative to a connecting arrangement (66) and can adopt a filling position and a dispensing position. The connecting arrangement (66) has a filling connection (70) which can be connected to a source (72) for fluid medium and a dispensing connection (80) which can be connected to an application device (82). In the filling position of the cylinder unit (20) the filling opening (54) is fluidically connected to the filling connection (70) and the dispensing opening (58) is spatially separated from the dispensing connection (80) and as a result is galvanically isolated therefrom. In the dispensing position of the cylinder unit (20) the dispensing opening (58) is fluidically connected to the dispensing connection (80) and the filling opening (54) is spatially separated from the filling connection (70) and as a result is galvanically isolated therefrom.

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