

Title (en)
DOSING DEVICE IN A TUBE FILLING MACHINE

Title (de)
DOSIERVORRICHTUNG IN EINER TUBENFÜLLMASCHINE

Title (fr)
DISPOSITIF DE DOSAGE INSTALLE DANS UNE MACHINE SERVANT A REMPLIR DES TUBES

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Application
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Abstract (en)
[origin: US2004251279A1] The invention relates to a dosing device in a tube filling machine, comprising a dosing chamber in a housing, said chamber having an inlet and an outlet for the medium which is to be dosed. At least one adjustable dosing piston whose volume in the dosing chamber is adjustable is provided in addition to a control bushing which is rotationably mounted in the housing, having at least one connecting channel which joins the inlet or the outlet to the dosing chamber when the control bushing is in a predetermined rotated position. The control bushing has a conical section which is sealingly arranged on a complementary conical section of the dosing chamber and which can be raised therefrom, in addition to an axial through hole in which the at least one dosing piston is displaceably guided. At least one section of the dosing chamber is disposed on the side next to the wider end of the conical section of the control bushing, so that the conical sections are pushed against each other when the pressure in the dosing chamber is increased as a result of movement of the dosing piston.

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