

Claims

1. Medical device (100) for the instillation of medical products, consisting of:

- a hollow cylindrical body (10);

- a rod (20) slidably mobile inside the hollow cylindrical body (10) and provided with a head (21) on which a rubber washer (40) is fixed, which washer, during sliding of the rod (20), is in contact with the inner surface of the hollow cylindrical body (10),

wherein the rod (20) is formed as two portions (22, 24) of different diameter;

characterized in that the device (100) comprises a sealing bush (30) between hollow cylindrical body (10) and rod (20), wherein there is provided a stop (32) which prevents the passage of the portion (22) with a larger circular section of the rod (20), said sealing bush (30) comprising interlocking coupling means (34) configured to cooperate with complementary interlocking coupling means (17) formed in the hollow cylindrical body (10).

2. Device (100) according to claim 1, wherein the hollow cylindrical body (10) has a front end portion (12) having an internal diameter smaller than the internal diameter of the hollow cylindrical body (10), a mechanical stop (19) being defined on said front end portion (12),

3. Device (100) according to claim 2, wherein the portion (22) with a larger circular section of the rod (20) has a stroke limited between said stop (32) and said mechanical stop (19).

4. Device (100) according to claim 2 or claim 3, wherein the front end portion (12) has an outer surface (15) of polygonal shape designed to improve gripping of the device (100) by a user.

5. Device (100) according to any one of the preceding claims, wherein the hollow cylindrical body (10) has a rear end portion (14) which defines a seat (13) for housing said sealing bush (30).
6. Device (100) according to claim 1, wherein said interlocking coupling means (34) of the sealing bush (30) consist of a pair of grooves (34) formed on an outer surface (33) of the sealing bush and said complementary interlocking coupling means (17) of the hollow cylindrical body (10) consist of a rib (17) formed on an inner surface (18) of the rear end portion (14) of the hollow cylindrical body (10), or vice versa.
7. Device (100) according to any one of the preceding claims, also comprising a slider (50) which can be coupled with the rod (20) at a free end (26) of the rod (20).
8. Device (100) according to claim 7, wherein said slider (50) comprises a hollow body (52) which defines a seat (51) for housing said free end (26) of the rod (20).
9. Device (100) according to claim 8, wherein said slider (50) has at least one interlocking coupling means (53) configured to co-operate with complementary interlocking coupling means (27) formed in the rod (20).
10. Device (100) according to claim 9, wherein said interlocking coupling means (53) of the slider (50) consist of a pair of grooves (53) formed on an inner surface of the seat (51) and said complementary interlocking coupling means (27) of the rod (20) consist of a pair of ribs (27) formed at the free end (26) of the rod (20), or vice versa.