ABSTRACT

Adaptor with injection device for coupling to a medical container

The present invention relates to an adaptor (10) and injection device for coupling with a vial, comprising:

- a tubular lodging (20, 21) closed at its distal end by a transversal wall (22) and a pierceable elastomeric piece (30), the needle of said injection device being capable of piercing said pierceable elastomeric piece,
- said tubular lodging comprising a chamber (50) filled with decontaminated air and receiving the needle,
- an air passage (90, 42c, 47) for allowing air coming in and out from said chamber, comprising a first filtering system (42c) for decontaminating said incoming air before it reaches said chamber,
- an air inlet (91, 64, 27a, 23) for allowing air from the outside entering the adaptor and reaching the distal face of said pierceable elastomeric piece, comprising a second filtering system (64) for decontaminating said entering air,

a gripping member (25) connected to said transversal wall, for securing the adaptor to the vial.

Figure 2B