"A valve connector for medical lines"

ABSTRACT

A valve connector for medical infusion lines including an external tubular body (1) with an inlet end (4) and an outlet end (24), an internal hollow spike (2) and an intermediate sealing member (3) including a head (35) with pre-slit (38) and an elastic hollow element (36) formed with fluid-tight members (47, 48) in contact with the hollow spike (2) and with an elastic thrust means, which tends to maintain the elastic head (35) in a condition of closing. The elastic thrust means comprises a base part (37) joined to the elastic hollow element (36) of the sealing member (3) through a generally transverse annular wall (45), which, during axial displacement of the elastic head (35) from the condition of closing to the condition of opening, bends within an annular chamber (50) defined between the base part (37) and a portion with conical surface (29) of the hollow spike (2).

(Figure 11)