

CLAIMS

1.Valve connector for medical lines, comprising:

– a tubular body (1) having an inlet end (5) designed for the engagement of a fluid introducer and

5 an outlet end (6),

– a hollow spike (2) arranged axially within the cavity of the tubular body (1) and having a closed tip (18) facing said inlet end (5) of the tubular body (1) and axially spaced therefrom, said hollow spike (2)

10 being in communication with said outlet end (6),

– a sealing member formed by an elastic hollow element (3) interposed between said tubular body (1) and said hollow spike (2) and having an elastic head (12) provided with a pre-slit (13) and normally

15 arranged in a closure condition in said inlet end (5) of the tubular body (1), wherein said pre-slit (13) is closed; said elastic head (12) being axially moveable against said closed tip (18) of the hollow spike (2) for interacting with said closed tip (18) so as to take

20 an elastically deformed condition of opening of said pre-slit (13), and said elastic hollow element (3) further comprising a base part (15) radially spaced from said hollow spike (2) so as to define therewith an annular chamber (17), characterized in that said base

25 part (15) of the elastic hollow element (3) has a generally barrel-like shape with a wall having a differentiated radial thickness (19, 20) and formed externally with thickened axial lobes (19), whose radial thickness progressively decreases towards axial

30 areas having minimum thickness (20) of said wall, said axial lobes (19) being arranged adjacent to one another circumferentially of said base part (15).